

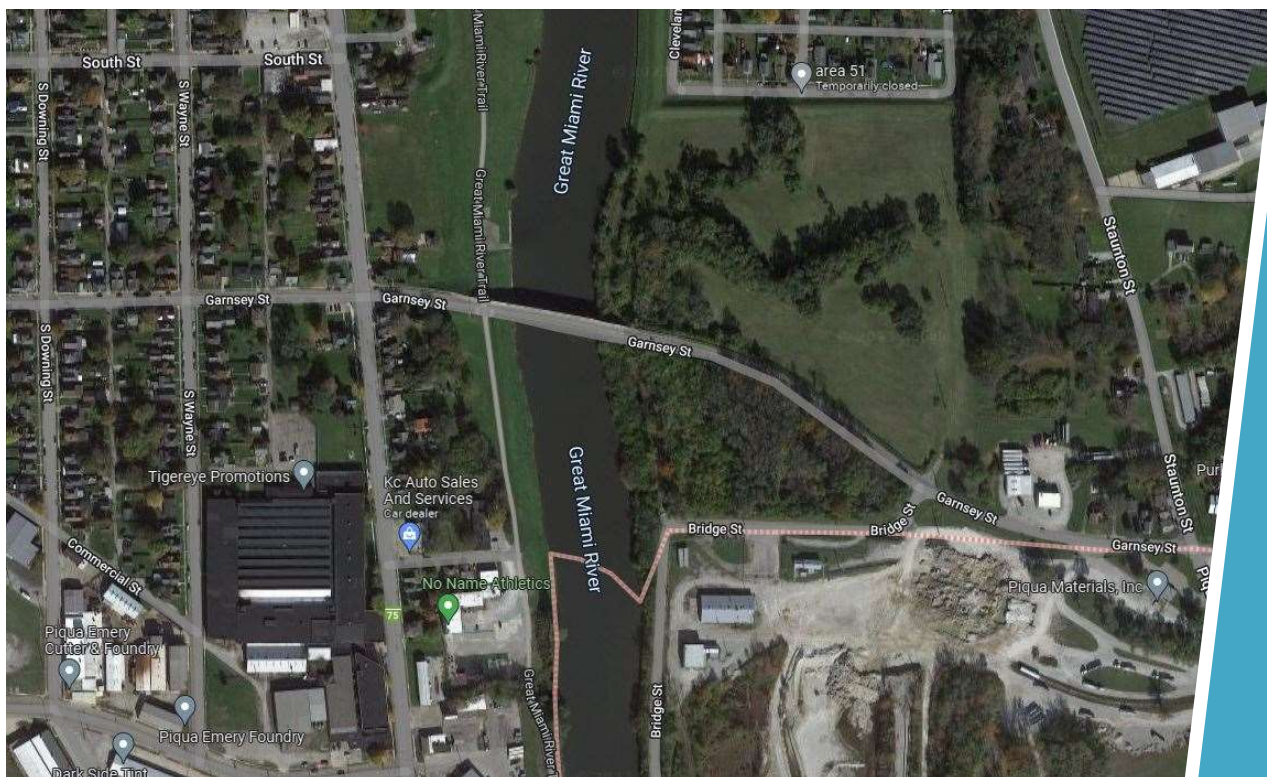


Piqua Troy Bridge Evaluation Study

Miami County, Ohio

MIAMI COUNTY ENGINEER'S OFFICE

FEBRUARY 1, 2023



Prepared by:

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INTRODUCTION

The Piqua Troy bridge (Garnsey Street over Great Miami River) located in Piqua, Ohio is owned and maintained by Miami County. The structure is a four-span steel girder bridge (SFN 5530741) on reinforced concrete piers and abutments, with an overall total length of approximately 433 feet. The superstructure and substructure were both rated a 7 (good condition) in the most recent bridge inspection report (BR86) on April 1, 2022, while the reinforced concrete deck was rated a 5 (fair condition). The bridge is not currently posted for any load restrictions.



We understand that the bridge was initially constructed in 1968 and the only major rehabilitation that has been completed is a new concrete overlay that was constructed on the bridge deck 15 to 20 years ago. The county's goal is to secure CEAO funding for the rehabilitation of the bridge to preserve it for another 40 years as a vital connection over the Great Miami River in Piqua, Ohio.

SCOPE OF THIS STUDY

This bridge evaluation study includes the following:

- The Piqua Troy bridge was inspected on January 17, 2023. A 'routine visual' type inspection was performed by a team of certified bridge inspectors. Conventional methods of access were appropriate, with the inspection conducted from the roadway, embankments and ground beneath the bridge. Inspection findings are documented and quantified by field notes and supported by field measurements and/or photographs. All inspections were conducted in accordance with the ODOT Manual of Bridge Inspection (Rev. 2014).
- Written narrative defining the scope of work for the three alternatives below and determination of the recommended alternative:
 - Alternative 1 - Bridge deck rehabilitation (overlay) with structural steel painting
 - Alternative 2 - Bridge deck replacement with structural steel painting
 - Alternative 3 - Bridge superstructure replacement
- Evaluation of lane configurations on the bridge and whether sidewalks can be eliminated.
- AASHTOWare BrR analysis of the existing steel girders to confirm that making the girders composite with a new concrete deck meets all current FHWA and ODOT design and load rating requirements.
- Deck drainage analysis to evaluate whether scuppers can be removed from the bridge.
- Estimates of probable construction costs for each alternative.



STRUCTURAL AND SITE INSPECTION

Piqua Troy Bridge Over Great Miami River

Structural File Number: 5530741

Spans: 95'-3", 119'-0", 119'-0", 95'-3" (c/c bearing)

Inspection Date: 01/17/2023

General Appraisal and Operating Status: 5A

Structure Type: four-span steel girder bridge on reinforced concrete piers and abutments

Inspection Findings:

- The bridge was initially constructed in 1968 and the only major rehabilitation that has been completed is a new concrete overlay that was constructed on the bridge deck 15 to 20 years ago.
- The existing structure is a four-span continuous steel plate girder bridge with a non-composite reinforced concrete deck and reinforced concrete substructures.
- The existing superstructure depth is approximately 75". The wearing surface is monolithic concrete.
- The bridge carries two lanes of traffic, and the Average Daily Traffic is approximately 3,339 vehicles per day (ADT year 2021) per ODOT TIMS. The Great Miami River Trail is under the bridge in span 1.
- The existing bridge roadway width is 30 feet from face to face of curb. There is a 5' sidewalk on the left side and 2' curb on the right side. The total deck width is 39'.

- The existing deck is in fair condition (rated 5) with extensive delaminated areas, cracks, and spalls.
- The existing steel beam superstructure is in satisfactory condition with areas of isolated pitting on secondary members, extensive paint loss (predominately on bottom flanges), insignificant bottom flange section loss at the ends of the beams near the abutments, and heavy corrosion on the end cross frames. There is active corrosion on the rocker bearings with pitting, pack rust and section loss. The rating for the superstructure should be reduced to 6 from 7.
- The existing substructures are in good condition (rated 7) with isolated delaminated areas, cracks, and surface spalls. The abutments are in slightly worse condition than the piers. The abutment joints are deteriorated and leaking.
- Channel is in good condition (rated 7). Guardrail and railing meet acceptable standards. The transitions to the railing don't meet acceptable standards or safety requirements.

Maintenance Recommendations

- S – Upgrade the railing transitions. Replace the abutment joints.
- L – Deck overlay or replacement and structural steel painting to extend the bridge's service life.
- L – Bridge superstructure replacement to extend the bridge's service life.

S = Short Term, L = Long Term, I = Immediate Concern

PHOTOS FROM THE JANUARY 2023 INSPECTION



ROADWAY VIEW



ELEVATION VIEW



REAR ABUTMENT ELEVATION VIEW



ABUTMENT ROCKER BEARING WITH
PACK RUST



ABUTMENT SEAT AND BACKWALL WITH
EVIDENCE OF JOINT LEAKAGE



ABUTMENT END CROSSFRAME WITH
SECTION LOSS



EXTERIOR GIRDER WITH PAINT FAILURE AND ASSOCIATIVE RUST



BRIDGE DECK UNDERSIDE, STEEL GIRDER BOTTOM FLANGE RUSTED



RUSTED SCUPPER DOWNSPOUT PIPE END



BRIDGE UNDERSIDE AND PIER CAP



PIER 1 (WEST PIER) ELEVATION



STEEL GIRDER BOLTED SPLICE AND TRANSVERSE STIFFENER



LEAKAGE UNDER FORWARD ABUTMENT JOINT



TOP OF THE DECK, SIDEWALK, SCUPPERS, AND APPROACH SLAB



DETERIORATED ABUTMENT JOINT

DESIGN CONSIDERATIONS

Channel Hydraulics

The bridge is in a FEMA flood zone AE with a base flood elevation of 856.2', which is well below the low chord elevation of the bridge at approximately 867'. Due to the location of the bridge in a FEMA flood zone AE, it is critical that the hydraulics and waterway opening be maintained, and no additional fill be added, so the time-consuming process of environmental coordination and FEMA map revision can be avoided for this project.

Sidewalks and Pedestrian Access

A 5' sidewalk along the north side of the existing bridge connects to the sidewalk along the west approach roadway but terminates at east end of the bridge. For the deck replacement or superstructure replacement alternatives, a 5' sidewalk along the north side bridge railing (BR-2-15) is recommended to be installed for future pedestrian access. The existing 2' curb along the south side of the bridge shall be removed and replaced with the standard ODOT single slope parapet (SBR-1-20).

Roadway Design

The proposed roadway will be designed per the ODOT Location and Design Manual and relevant AASHTO criteria. Where criteria cannot be met in a practical manner, documentation will be provided for the deviation, or a design exception will be requested where needed. The existing roadway width on the bridge is 30'-0". The design speed is 40 mph, and the current ADT is 3,339 vehicles per day (ADT year 2021). The L&D manual Figure 302-1 requires 4' of lateral clearance, using 11' lanes this would lead to a bridge roadway width of 30'-0". For the deck replacement or superstructure replacement alternatives, the roadway width will be 31'-2". Thus, a design exception is not required for shoulder width for all alternatives.

Maintenance of Traffic

The 39' wide deck will be able to accommodate a lane for signalized two-way traffic during phased construction. An alternative is to close the existing bridge and complete construction activities in a single phase with traffic detoured for the duration of construction.

Bridge railing and transitions

The existing transitions from the bridge railing are non-standard and deficient. Proposed railing and transitions should be designed to meet the NCHRP Report 350 TL-3 acceptance level.



REHABILITATION OPTIONS

ALTERNATIVE 1: BRIDGE DECK REHABILITATION (OVERLAY) WITH STRUCTURAL STEEL PAINTING

Alternative 1 is a bridge deck rehabilitation (overlay) with structural steel painting. When the existing non-composite steel plate girders are analyzed with no future wearing surface (design speed < 45 mph, per ODOT BDM 401.3), the inventory rating factor of the existing steel plate girders is 1.03 based on our preliminary load rating analysis. A structural capacity design exception would not be required.

The estimated roadway and maintenance of traffic costs for this alternative are \$283,000, and the estimated structure costs are \$914,000. The total construction costs are \$1,197,000. These costs include a 30.3% contingency (15% design risk + 15.3% inflation). See Appendix D for a detailed cost estimate for this option.

It is generally accepted that bridges designed in the past have a life expectancy of 50-75 years. The AASHTO LRFD Bridge Design Specifications indicates new bridges designed according to the current specifications should have a life expectancy of 75 to 100 years. The existing bridge was constructed in 1968, which puts the age of the bridge at approximately 60 years at the time of the proposed rehabilitation. The county's goal is to rehabilitate the bridge to preserve it for another 40 years. For consistency, a total service life of 40 years is assumed for all alternatives before complete structure replacement is required. Refer to the Cost Comparison and Life Cycle Cost Analysis in the following section for total cost estimates for the life of this structure alternative.

ALTERNATIVE 2: BRIDGE DECK REPLACEMENT WITH STRUCTURAL STEEL PAINTING

Alternative 2 is to replace the bridge deck and provide structural steel painting. When the existing steel plate girders are made composite with a new concrete deck and analyzed with no future wearing surface (design speed < 45 mph, per ODOT

BDM 401.3), the inventory rating factor is 1.24 based on our preliminary load rating analysis. A structural capacity design exception would not be required.

The scuppers will be eliminated based on our preliminary deck drainage analysis. See Appendix C for the bridge deck drainage calculations.

The estimated roadway and maintenance of traffic costs for this alternative are \$283,000, and the estimated structure costs are \$2,255,000. The total construction costs are \$2,538,000. These costs include a 30.3% contingency (15% design risk + 15.3% inflation). See Appendix D for a detailed cost estimate for this option.

It is generally accepted that bridges designed in the past have a life expectancy of 50-75 years. The AASHTO LRFD Bridge Design Specifications indicates new bridges designed according to the current specifications should have a life expectancy of 75 to 100 years. The existing bridge was constructed in 1968, which puts the age of the bridge at approximately 60 years at the time of the proposed rehabilitation. The county's goal is to rehabilitate the bridge to preserve it for another 40 years. For consistency, a total service life of 40 years is assumed for all alternatives before complete structure replacement is required. Refer to the Cost Comparison and Life Cycle Cost Analysis in the following section for total cost estimates for the life of this structure alternative.

ALTERNATIVE 3: BRIDGE SUPERSTRUCTURE REPLACEMENT

Alternative 3 is to replace the bridge superstructure. The same steel girder sizes and configurations as the existing framing plan will be used. Steel yield strength will be increased from 36ksi to 50ksi. With the future wearing surface load considered for the new girder analysis, the inventory rating factor is 1.11 based on our preliminary load rating analysis.

The estimated roadway and maintenance of traffic costs for this alternative are \$283,000, and the estimated structure costs are \$3,952,000. The total construction costs are \$4,235,000. These costs include a 30.3% contingency (15% design risk + 15.3% inflation). See Appendix D for a detailed cost estimate for this option.

A new steel beam superstructure is generally expected to last 75 years before superstructure replacement is necessary. The county's goal is to rehabilitate the bridge to preserve it for another 40 years. For consistency, a total service life of 40 years is assumed for all alternatives before complete structure replacement is required. Refer to the Cost Comparison and Life Cycle Cost Analysis in the following section for total cost estimates for the life of this structure alternative.

SUBSTRUCTURE IMPROVEMENTS FOR ALL ALTERNATIVES

The existing abutments are in good condition with rust stains, isolated delaminated areas, small spalls, and cracks. The piers are in good condition with isolated delaminated areas, small spalls, and cracks. The existing abutments and piers will be patched per item 519 – patching of concrete structures. Cathodic protection for existing uncoated steel reinforcement will be provided as needed.

For alternative 1, the abutment joints will be replaced. The existing rocker bearings will be cleaned and reset.

For alternatives 2 and 3, the existing abutments will be converted to semi-integral to eliminate the abutment joints. The existing turnback wingwalls will be removed to the beam seat elevations to accommodate the semi-integral conversion of the abutments. The new turnback wingwalls will be doweled into the existing abutments and constructed just outside the deck limits. The existing rocker bearings will be replaced with elastomeric bearings.

The existing utility lines attached to the bridge will be relocated off the bridge. That will avoid additional work on the abutments to accommodate the utility lines to pass through.

COST COMPARISON AND LIFE CYCLE COST ANALYSIS

Three alternatives have been considered for this structure as part of this study. Construction costs are summarized below, including anticipated roadway costs.

INITIAL CONSTRUCTION COSTS			
ALTERNATIVE	STRUCTURE COST	APPROACH WORK COST	TOTAL COST
Alternative 1	\$ 914,000	\$ 283,000	\$ 1,197,000
Alternative 2	\$ 2,255,000	\$ 283,000	\$ 2,538,000
Alternative 3	\$ 3,952,000	\$ 283,000	\$ 4,235,000

Note: All construction costs include a 30.3% contingency.

Below are the life cycle costs for the three alternatives.

Alternative 1 will require the following work over the 40-year life span comparison of the alternatives:

- Deck replacement at year 20 at a cost of \$100 per square foot of deck.

Total cost = 16,894 sf x \$100/sf = \$1,689,400

- Total life cycle cost of Alternative 1 = \$1,689,400

Alternative 2 will require the following work over the 40-year life span comparison of the alternatives:

- Deck overlay at year 20 at a cost of \$100 per square yard.

Total cost = 1 x 1500 sy x \$100/sy = \$150,000

- Total life cycle cost of Alternative 3 = \$150,000

Alternative 3 will require the following work over the 40-year life span comparison of the alternatives:

- Deck overlay at year 20 at a cost of \$100 per square yard.

Total cost = 1 x 1500 sy x \$100/sy = \$150,000

- Total life cycle cost of Alternative 2 = \$150,000

LIFE CYCLE COST COMPARISON		
BRIDGE ALTERNATIVE	TOTAL LIFE CYCLE COST	INITIAL CONSTRUCTION + LIFE CYCLE COSTS
Alternative 1	\$ 1,689,400	\$ 2,886,400
Alternative 2	\$ 150,000	\$ 2,688,000
Alternative 3	\$ 150,000	\$ 4,385,000

CONCLUSION AND RECOMMENDATION

Three alternatives have been presented for the rehabilitation of the bridge carrying Garnsey Street over the Greater Miami River. The alternatives considered are deck rehabilitation (overlay) with structural steel painting, deck replacement with structural steel painting, and superstructure replacement. Life cycle costs have been presented for each alternative. Based on the total costs (initial construction + life cycle costs), Alternative 3 is eliminated from consideration. For alternative 1, the uncertainty of the existing overlay thickness may cause constructability issues.

LJB concludes, based on the presented alternative results, that Alternative 2, deck replacement with structural steel painting, is the preferred alternative and should be selected as the proposed structure type for this site. No design exceptions are expected for this alternative.



TRANSVERSE SECTION

BEZELINGS See Standard Drawing RB-1-55

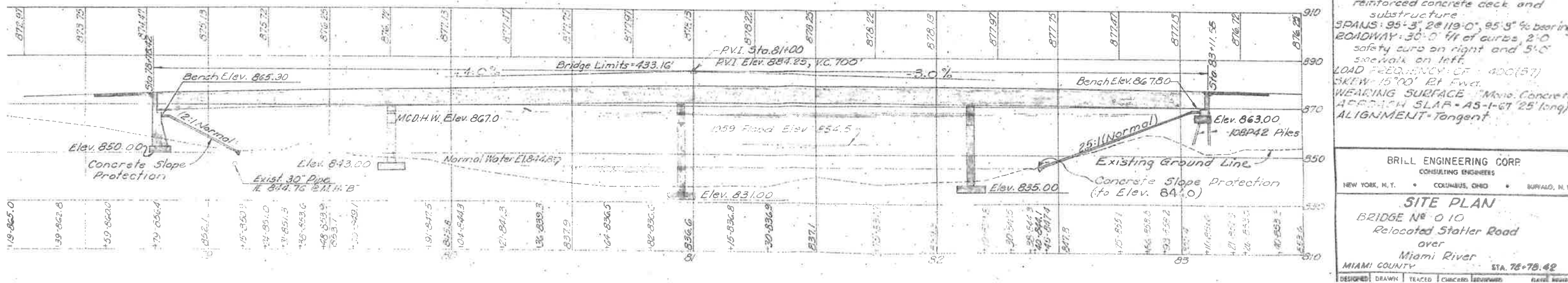
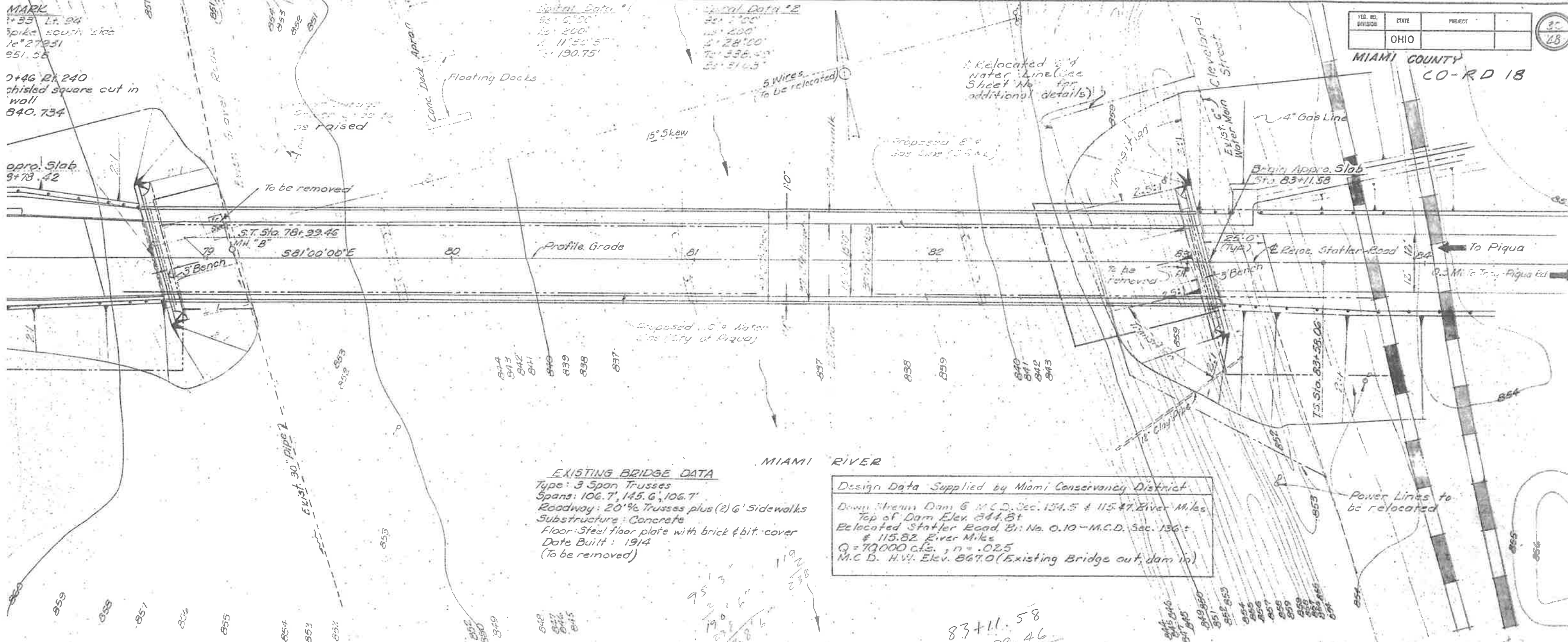
STEEL FRAMING PLAN

DIAGRAM SHOWING STAGGER OF
5609 BARS OVER PIERS

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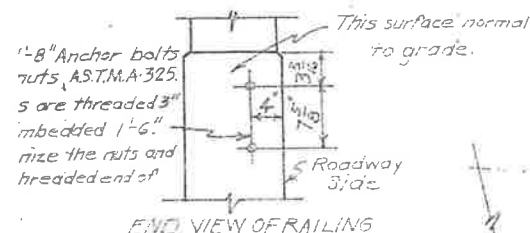
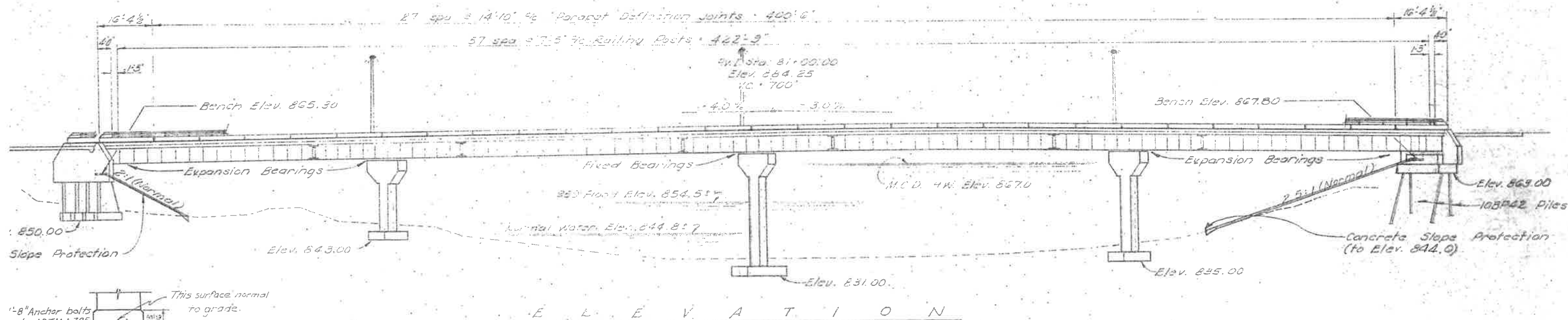
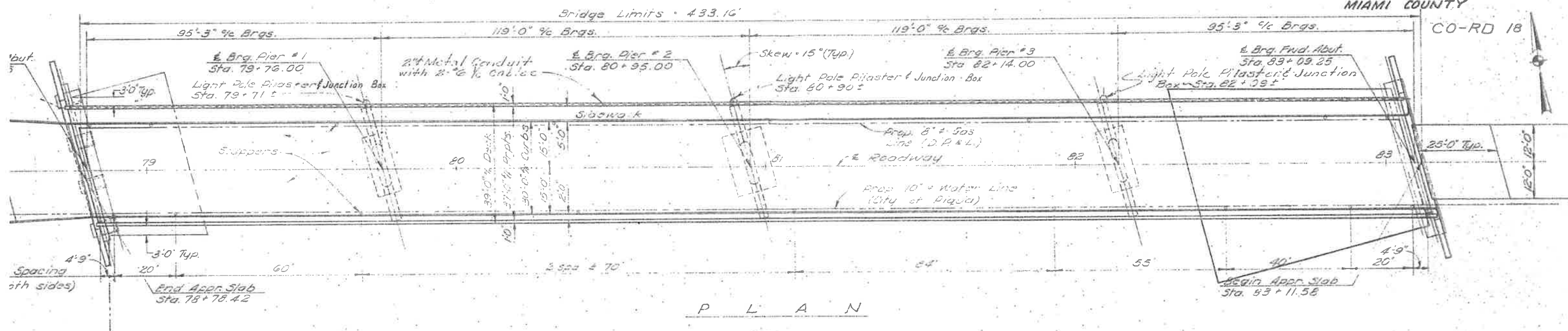
SUPERSTRUCTURE
BRIDGE NO. 0.10
RELOCATED STATLEA
OVER MIAMI RIVER
MIAMI COUNTY

DESIGNED	DRAWN	TRACED	CHECKED	REVIEW
EXX.	ADD		VK	AG

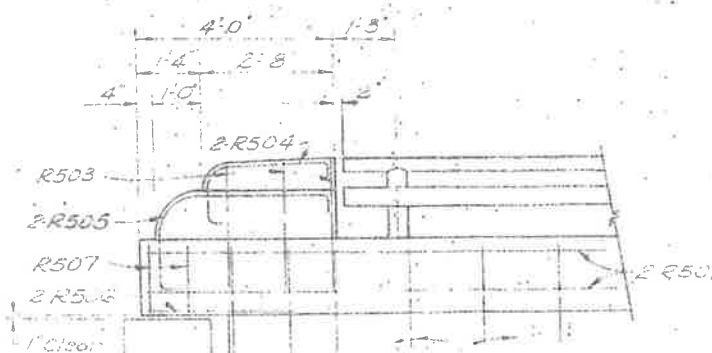
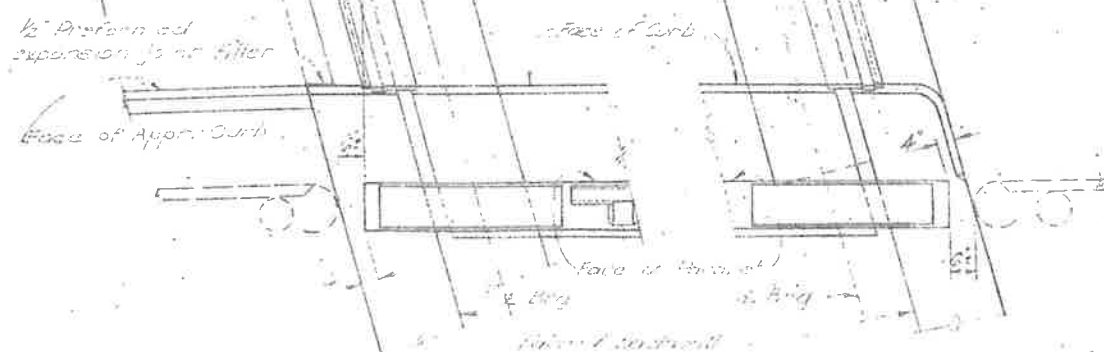


MIAMI COUNTY

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ANCHORS FOR ATTACHMENT OF APPROACH GUARD RAIL TO BRIDGE RAILING



BRIDGE RAILING TYPE 2

(For details see drawing, see

GENERAL NOTES

REFERENCE shall be made to Standard Drawings:

AS-1-67 revised 1-11-68

BR-1-65 Sheet No. 2 revised 11-24-65

RB-1-55 revised 2-2-59

SD-1-65 Sheet Nos. 1 and 2 dated 11-3-65

and to supplemental Specifications:

808 dated 1-13-67

832 dated 5-25-67

811 dated 1-1-67

931 dated 5-25-67

825 dated 12-19-67

826 dated 1-1-67

HL-3 dated 11-1-65

HL-4 dated 1-1-66

DESIGN SPECIFICATIONS: This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio, Department of Highways, dated 9-1-57, together with current revisions thereof.

DESIGN DATA:

Design Loading - CF-400 (57)

Concrete Class C - basic unit stress 3,333 psi

Concrete Class E - basic unit stress 1,133 psi

Structural Steel - ASTM A36 - basic unit stress 20,000 psi

Reinforcing Steel - ASTM A15, A16, A186, Deformed, Intermediate or Hard Grade. Basic unit stress 20,000 psi

MAINTAINING TRAFFIC and Sequence of Construction see Sht. No. 7

UTILITY LINES: All expense involved in relocation (installing) the affected utility lines shall be borne by the owners. The Contractor and Owners are requested to cooperate by arranging their work in such a manner that inconvenience to either will be held to a minimum.

FOUNDATION BEARING PRESSURE: Pier footings are designed for a maximum bearing pressure of 7 tons per sq. foot and the abutment footing for 5 tons per sq. ft.

REMOVAL OF EXISTING STRUCTURE When no longer needed to maintain traffic the existing structure shall be removed and shall become the property of the Contractor. Existing piers shall be removed to the stream flow line. The west abutment shall be removed to ground line at the stream side face of abutment and sloped upward at 2:1, and the east abutment shall remain in place.

PILES shall be driven with a hammer of not less than 11000 ft. lbs. per blow to firm contact with rock. If the length of penetration is approximately equal to the depth to rock according to the bridge foundation investigation report, the firm contact shall be considered as obtained when the capacity according to the formula in Sec. 507.05 is not less than the following value for a pile hammer of the indicated energy rating:

50 tons per pile using an 11000 ft. lb. hammer

43 tons per pile using a 15000 ft. lb. or greater hammer. If the energy rating of the hammer is between the ratings as shown above, the required formula capacity shall be determined by interpolation. The design load is 34 tons per pile.

THE CONTRACTOR shall submit a procedure schedule for the construction of cofferdams to the Miami Conservancy District for their approval and a permit.

THE CONTRACTOR shall take extreme care in protecting the 30" diameter sewer at the top of the west spill-thru slope. Where the existing manhole extends through the concrete slope protection, a 1" preformed expansion joint material shall be placed around the manhole for the full thickness of the slab.

WELDS on secondary stress carrying members are shown thus: S

ESTIMATED QUANTITIES							
ITEM	TOTAL	UNIT	DESCRIPTION	ABUTS	PIERS	SUPERSTR.	GENERAL
202	Lump	Sum	Existing structure removed				Lump
503	Lump	Sum	Cofferdams, ribs and sheeting				Lump
503	319	Cu.Yds.	Unclassified excavation	229	90		
503	61	Cu.Yds.	Rock excavation	13	48		
505	Lump	Sum	First test pile				Lump
507	360	Lin.Ft.	Steel piles 10BP42	360			
509	191,038	Lbs.	Reinforcing steel	13,942	27,830	149,266	
511	583	Cu.Yds.	Class "C" concrete, superstructure			583	
511	219	Cu.Yds.	Class "C" concrete, piers above footing		219		
511	199	Cu.Yds.	Class "B" concrete, abutments	199			
511	62	Cu.Yds.	Class "E" concrete, pier footings		62		
513	572,400	Lbs.	Structural steel			572,400	
832	572,400	Lbs.	Field painting of structural steel			572,400	
517	866.50	Lin. Ft.	Grout, cantilever, type 2			866.50	
518	16	Each	Scuppers (including supports)			16	
518	49	Cu.Yds.	Porcus backfill	49			
601	585	Sq.Yds.	Concrete slope protection				585
625			Electric lighting system (See Sht. No. 40 (A1))				
806	583	Lbs.	Water-reducing, set retarding admixture			583	
825	2110	Sq.Yds.	Concrete surface treatment				2110
826	73	Lin. Ft.	Joint Sealer				73

NOTE:

673 lbs. of structural steel to be paid for by The Dayton Power and Light Company for the additional weight of angles necessary to carry the 6" gas line. This weight has been included with Items 513 and 514.

MIAMI COUNTY
CO-RO 18

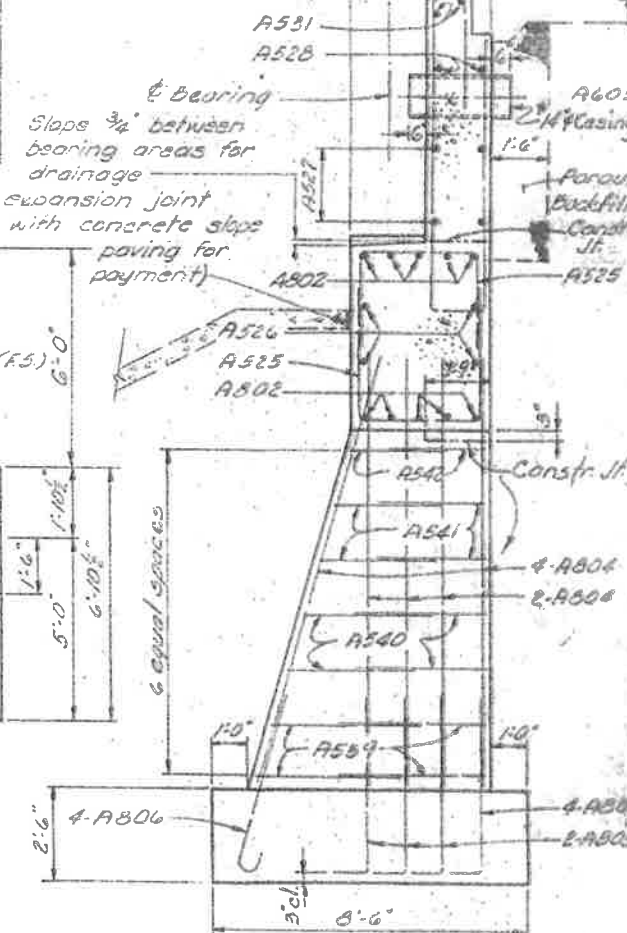
NOTE

PROCEDURE: After the pedestals have been constructed the earth fill shall be placed and compacted up to the finished spill-thru slope and to the level of the subgrade, after which excavation shall be made for the crossbeam.

EXCAVATION QUANTITY includes the removal of fill material required for the construction of abutment and the removal of fill material above the level of the earth bench.

FOOTINGS shall extend a minimum of 3' into undisturbed rock or to the elevation shown which ever is lower.

Backwall elevations computed at this point of intersection



SECTION D-D

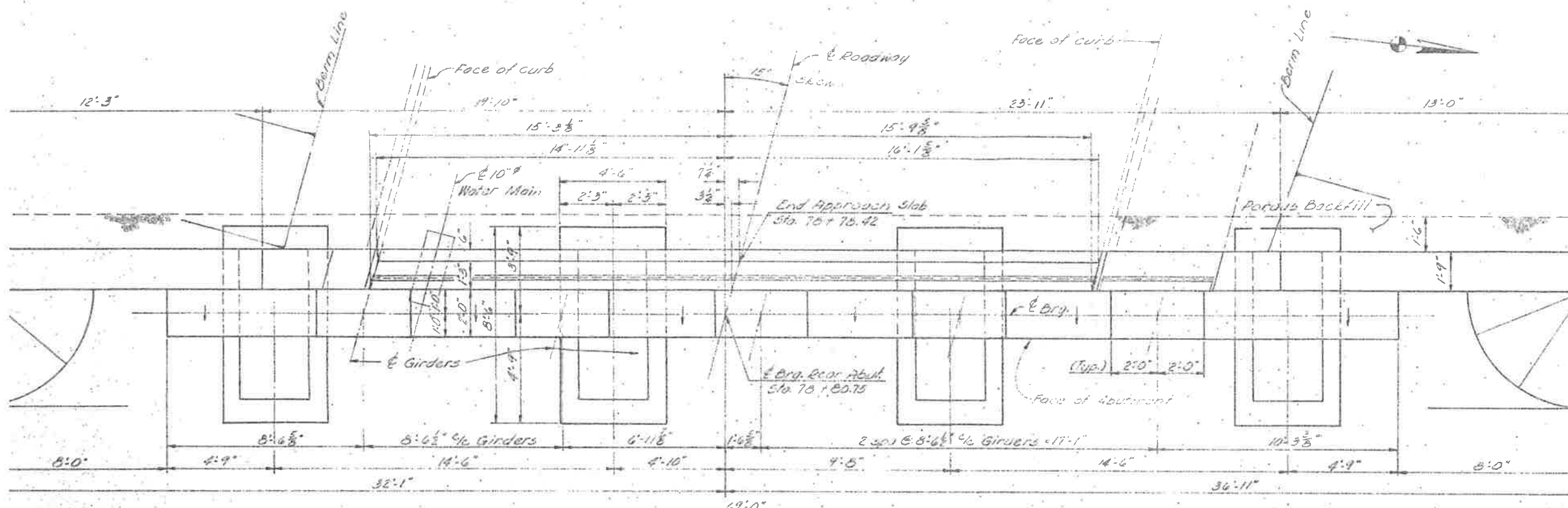
NOTE

POREOUS BACKFILL 1'-6" thick, shall extend upward to the approach slab and to the surface of the embankment slope. Excavation therefore, in excess of that required for construction of the abutment shall be considered as paid for in the bid price per cu. yd. paid for porous backfill.

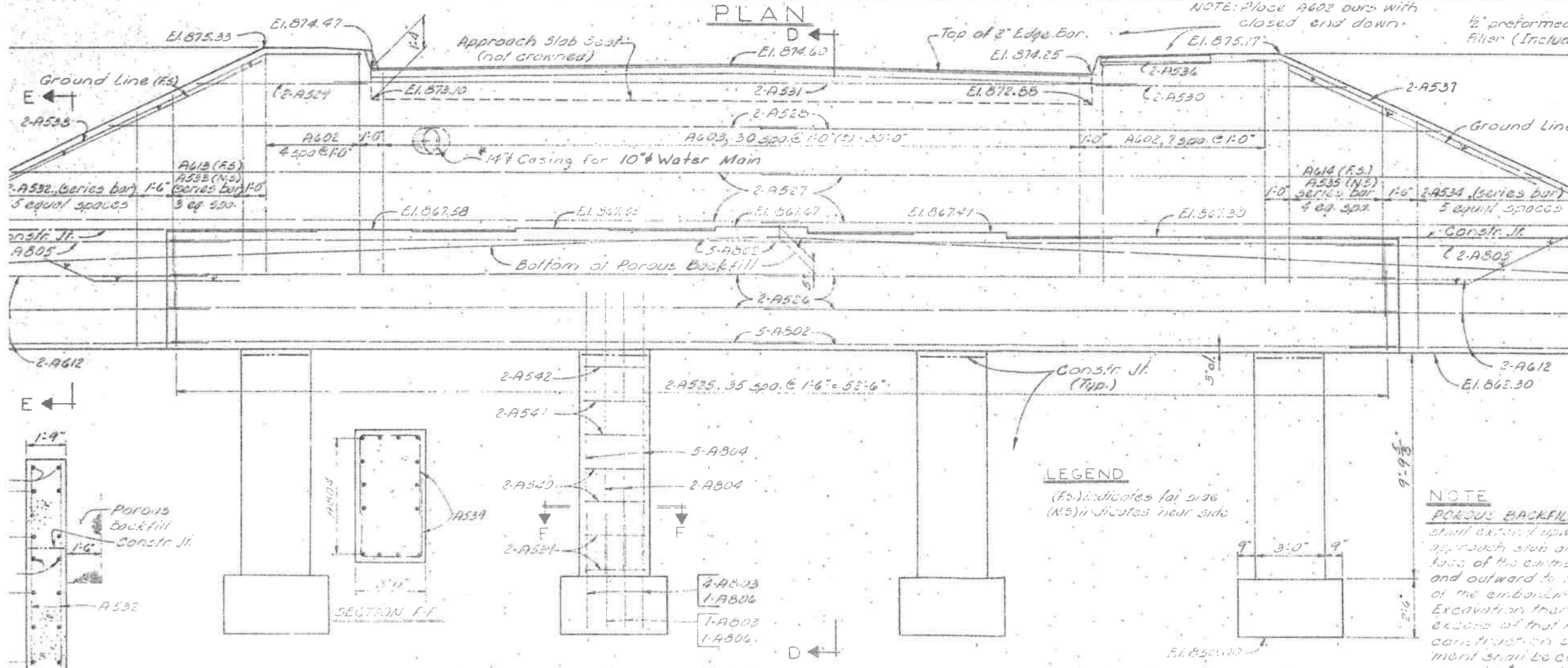
LEGEND

(F.S.) indicates far side
(N.S.) indicates near side

PLAN

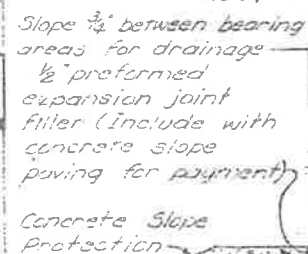
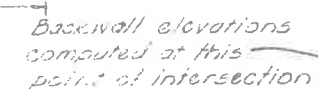


ELEVATION



SECTION E-E

CO-RD 16



SECTION A A



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FORWARD ABUTMENT DETAILS

BRIDGE No 0.10

RELOCATED STATLER ROAD

OVER MIAMI RIVER

MIAMI COUNTY 78-78-42

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISION



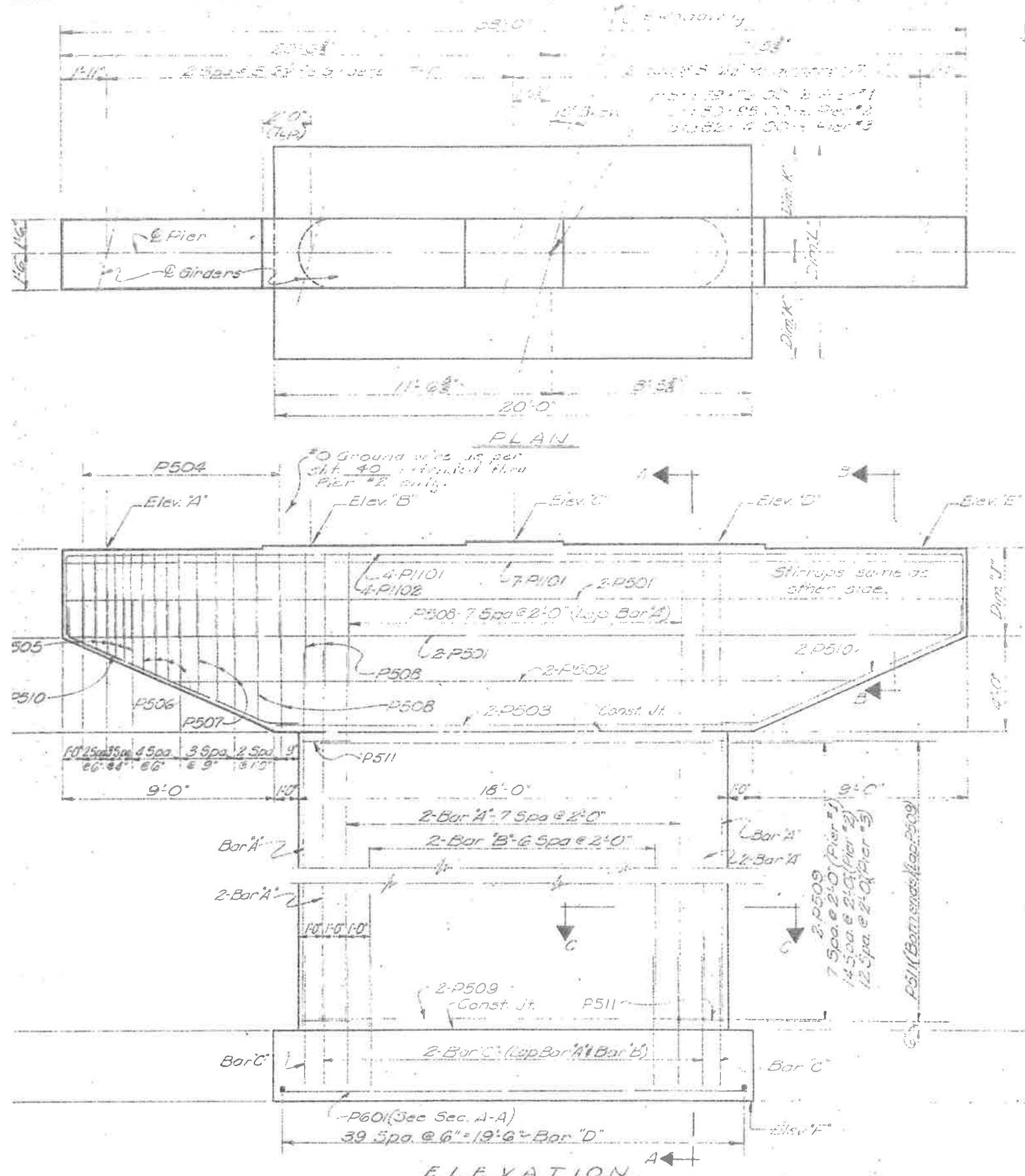
POCARYS BACCHUS 1 1/2 inch. Small surface upward to the nearest
side and to the middle of the bottom membrane, and then up to
the summit of the greenish white flower.

(M.S.) indicated near side.
(F.S.) indicated far side.

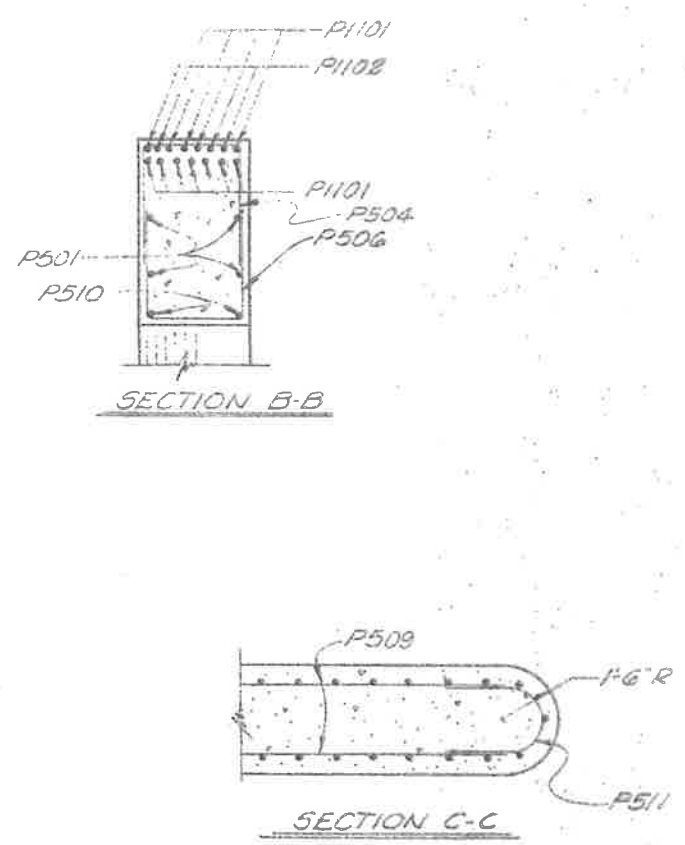
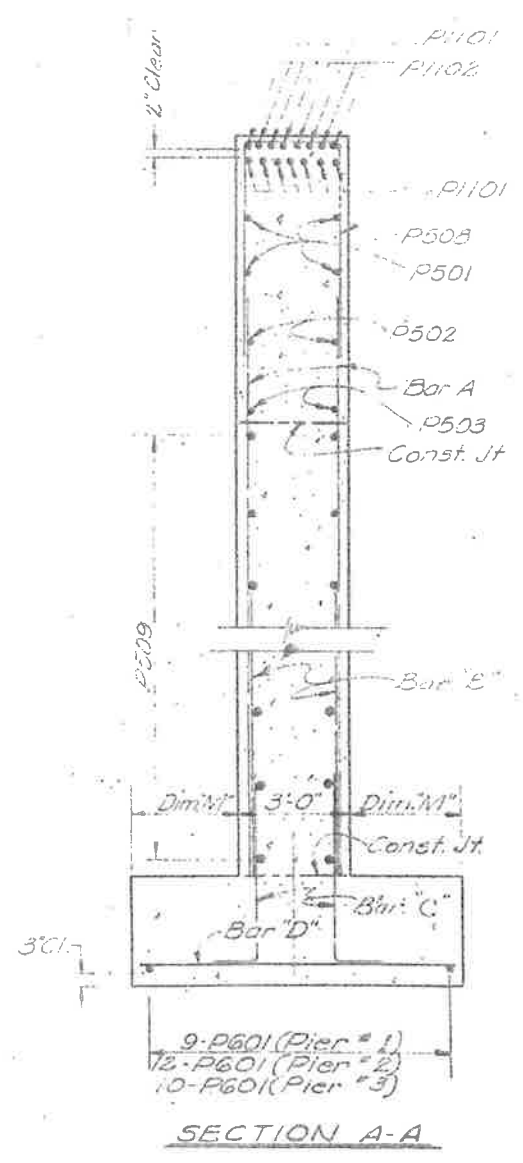
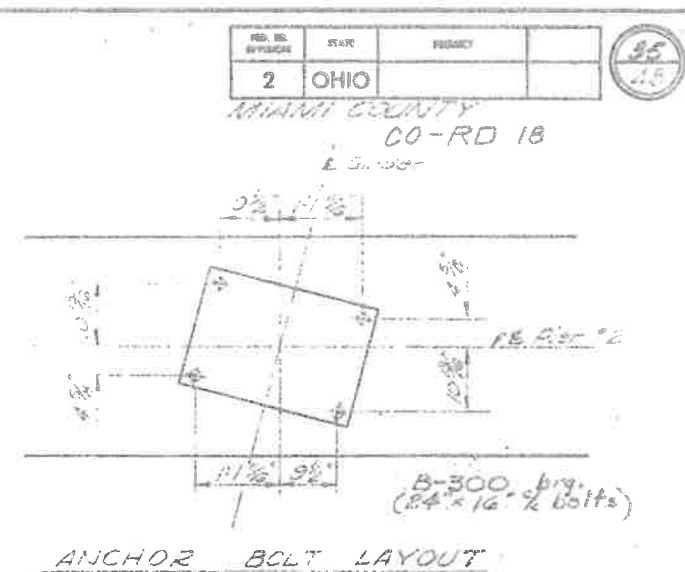
* 1st Classing Aug - 1967
Small & medium class E
Concrete Abutments - payment

[illegible]

TON QUANTITY (cubic ft) 2000 1000 500 250 100 50 25 10 5 2 1



NOTE:
SPECIAL CARE shall be taken in placing reinforcing steel in the bridge seat of Pier #2, so that it will not interfere with the drilling of anchor bolt holes.
FOOTINGS shall extend a minimum of 3' into undisturbed rock or to the elevation shown, whichever is lower.



SECTION	Elev. A	Elev. B	Elev. C	Elev. D	Elev. E	Elev. F	Dim. G	Dim. H	Dim. J	Dim. K	Dim. L	Dim. M	Bar A	Bar B	Bar C	Bar D
Pier #1	868.90	869.07	869.24	869.19	869.10	843.00	25'-10 1/2"	15'-1 1/2"	3'-11 1/8"	4'-0"	8'-0"	2'-6"	P801	P802	P805	P701
Pier #2	870.25	870.39	870.53	870.46	870.34	831.00	39'-3"	28'-6"	3'-10 1/8"	6'-6"	11'-0"	4'-0"	P902	P1002	P1003	P1001
Pier #3	870.33	870.44	870.56	870.46	870.32	835.00	35'-4"	24'-7"	3'-8 1/8"	4'-6"	9'-0"	3'-0"	P803	P804	P805	PRNG

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PIER DETAILS
BRIDGE No. 0.10
RELOCATED STATLER ROAD
OVER MIAMI RIVER

MIAMI COUNTY
DESIGNED: [] DRAWN: [] TRACED: [] CHECKED: [] REVIEWED: [] DATE: 7.18.82

MIAMI COUNTY
CO-RD 18

NOTES

* This is the nominal dimension. The quantity of deck concrete to be laid for shall be based upon this dimension even though deviation from it may be necessary because the top flange of the girder may not have the exact camber or conformation required to place it parallel to the finished grade. Deduction shall be made for volume of encased steel plates as per Sec. 511.14 of the Construction and Material Specifications.

TYPICAL HAUNCH: A typical haunch width of 9" shall be used for computing quantity of concrete. However the haunch width may vary between 6" and 12" provided that the slope shall be not more than 1:4 for a haunch less than 4" in width.

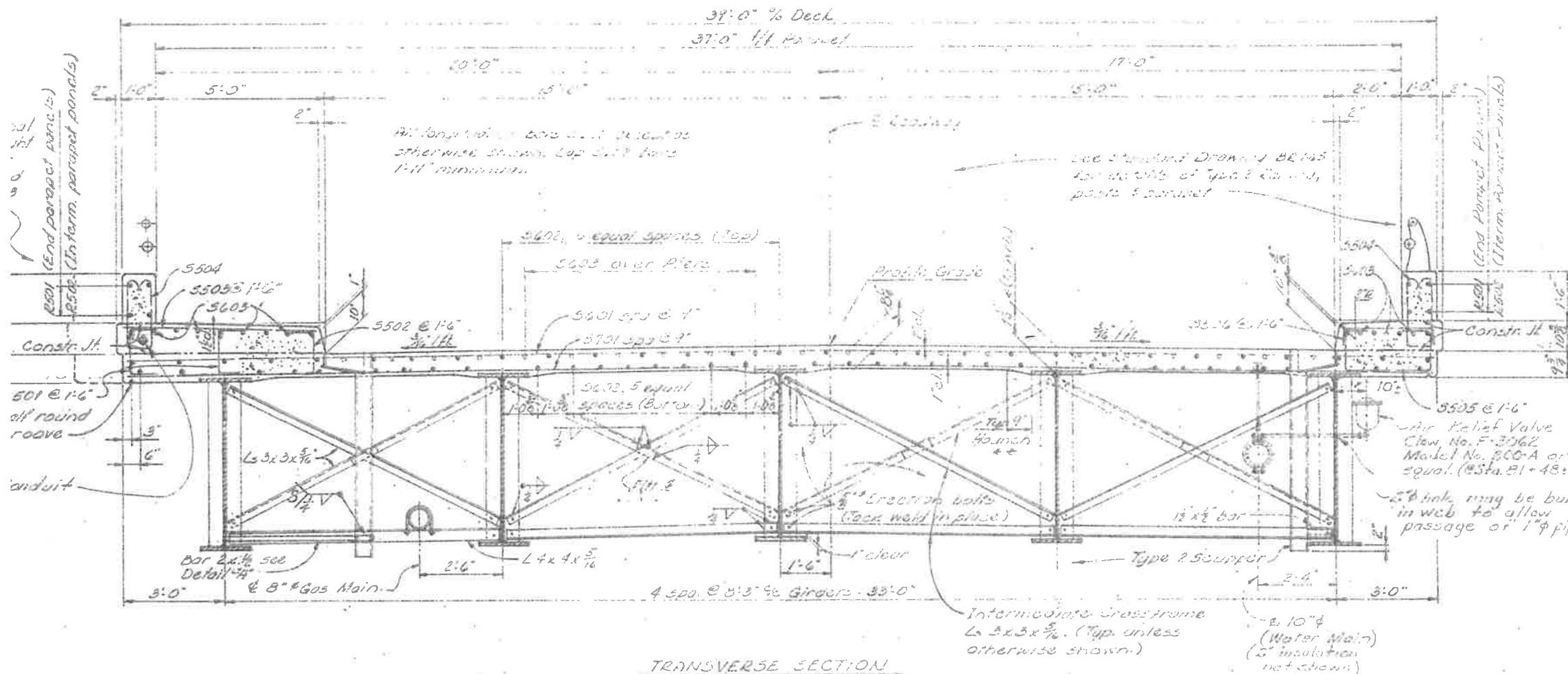
SLAB THICKNESS is 8 1/4" which includes 1" for monolithic concrete wearing surface.

TRANSVERSE REINFORCING STEEL shall be placed parallel with the substructure units.

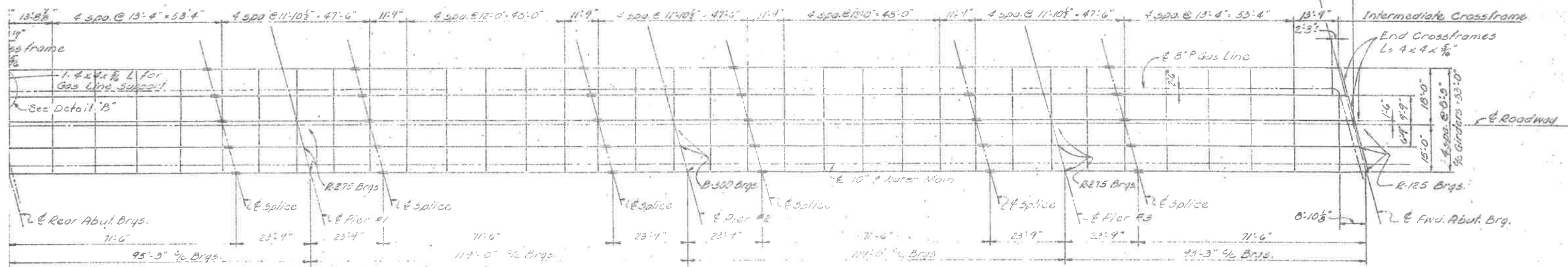
FOR DETAILS OF
End Crossframe & End Dam Details
End Dam Details of Fossio Beam
Longitudinal Section (Bridge on Grade)
Curb Plate Details
Snowman End Dam Details
Scupper Details (Type 2)

See Standard Drawing SD-1-65 (Sheets 1 or 2)

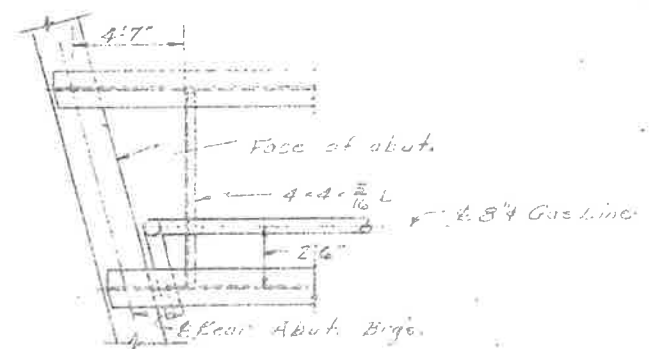
BEARINGS See Standard Drawing RB-1-55



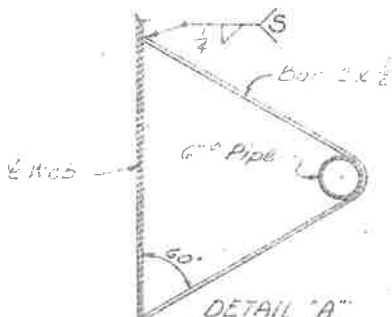
TRANSVERSE SECTION



STEEL FRAMING PLAN



DETAIL 'B'



DETAIL 'A'

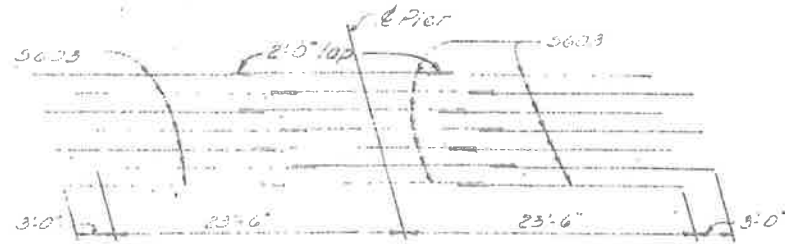
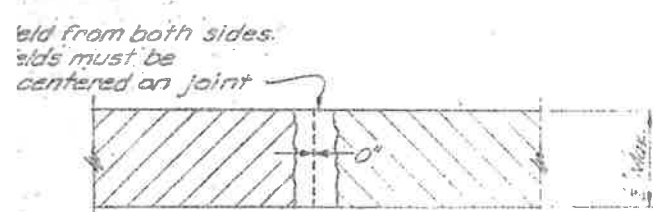
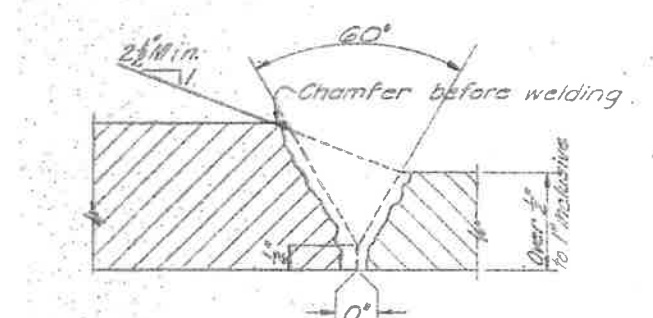
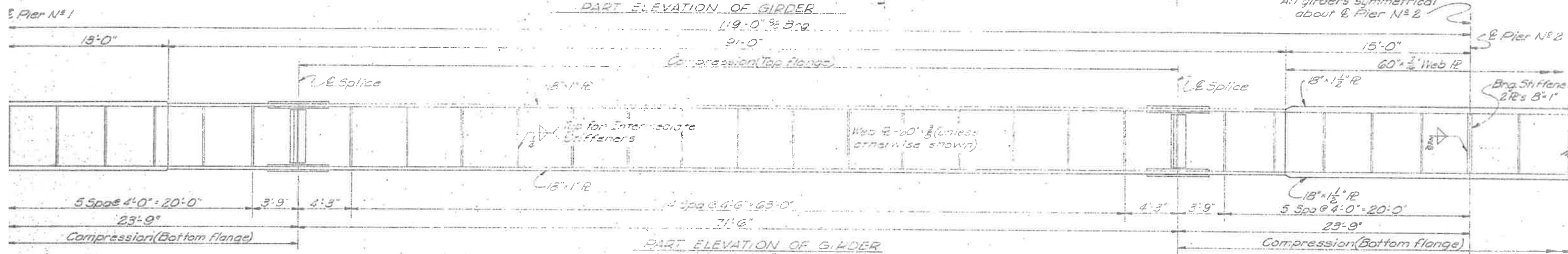
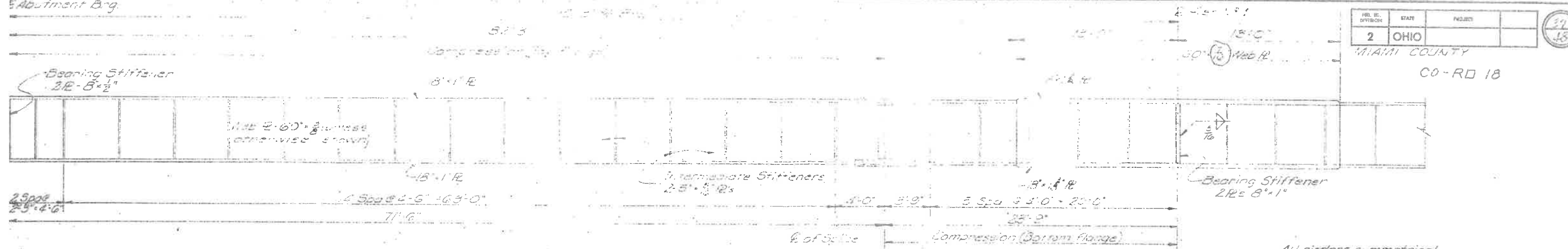


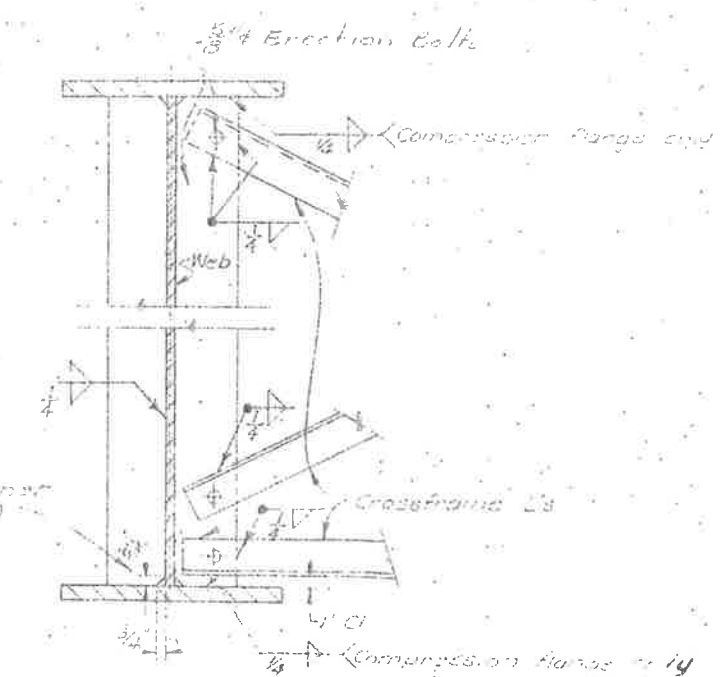
DIAGRAM SHOWING STAGGER OF 5/8" BARS OVER PIERS

Abutment Brg.



NOTES
Butt weld on girder flange plates shall be ground flush, the finish grinding being parallel to the direction of stress.
All of the above full penetration welds shall be backgouged and welded after welding far side.

WELDED JOINTS

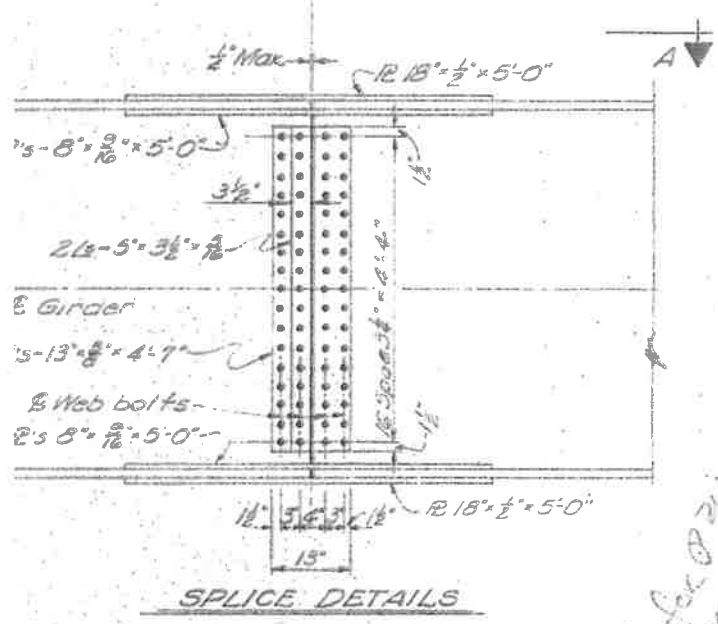
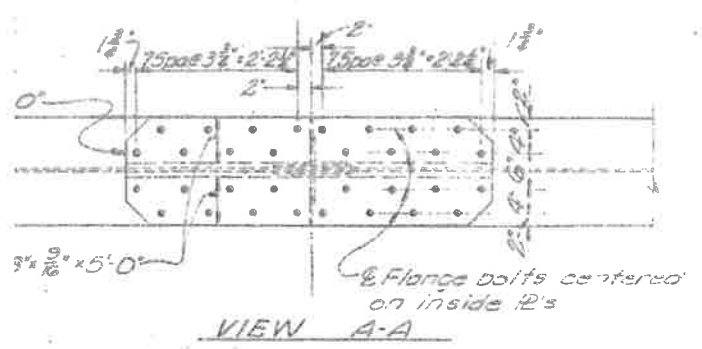


GIRDER SECTION
SHOWING CROSSFRAME CONNECTION

NOTE: Intermediate stiffeners are shown at a maximum spacing. Additional stiffeners may be used and/or the intermediate crossframes may be adjusted to a maximum spacing of 15'-0", so that crossframes may be bolted to the stiffeners.

NOTE:
Erection Procedure: The Contractor shall submit three copies of the proposed method for erection of structural steel girders to the Director for approval before steel erection is planned.

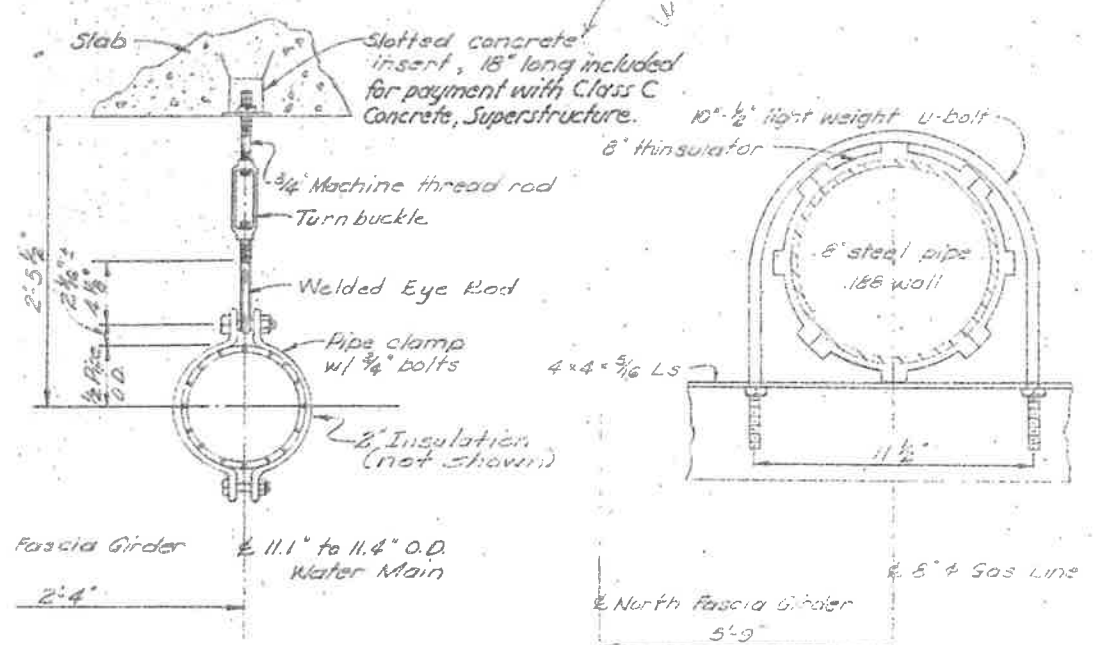
BRILL ENGINEERING CORPORATION CONSULTING ENGINEERS NEW YORK, N.Y. • COLUMBUS, OHIO • BUFFALO, N.Y.			
SUPERSTRUCTURE DETAILS BRIDGE No. 010 RELOCATED STATLER ROAD OVER MIAMI RIVER			
MIAMI COUNTY STA. 78+78.00			
DESIGNED	DRAWN	TRACED	CHECKED
REVIEWED	DATE	REVISION	



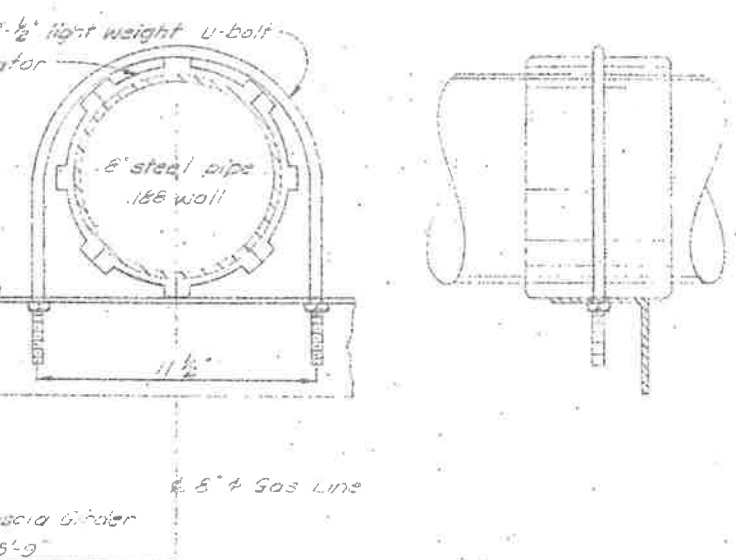
TOP OF SLAB ELEVATIONS AT FACE OF CURB

LEFT CURB		RIGHT CURB	
Station	Elev.	Station	Elev.
78+76.73	874.35	78+54.77	874.50
79+00.00	874.94	79+08.00	875.2
79+24.00	875.52	79+32.00	875.09
79+48.00	876.00	79+56.00	876.16
79+71.98	876.43	79+80.02	876.57
79+96.00	876.84	80+04.00	876.96
80+20.00	877.23	80+28.00	877.32
80+43.00	877.50	80+51.00	877.59
80+67.00	877.68	80+75.00	877.74
80+90.98	877.84	80+99.02	877.89
81+15.00	877.97	81+23.00	877.99
81+39.00	878.07	81+47.00	878.07
81+62.00	878.07	81+70.00	878.05
81+86.00	877.96	81+94.00	877.93
82+09.98	877.84	82+18.02	877.79
82+34.00	877.69	82+42.00	877.61
82+58.00	877.49	82+66.00	877.39
82+81.00	877.21	82+89.00	877.09
83+05.23	876.81	83+15.27	876.68

NOTE: Elevations shown are those which are required before the concrete deck is placed. Allowance for the dead load deflection caused by the weight of concrete has been made.



★ All material shall be galvanized to conform to ASTM A 123 after cutting, bending and/or welding.



NOTE: U-bolt shall be galvanized to conform to ASTM A 123.

* Value given is the offset above the chord line between adjacent bearings

DEFLECTION AND CAMBER TABLE

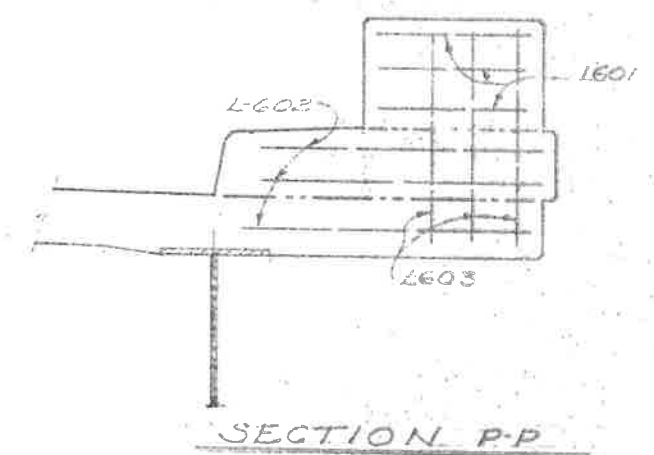
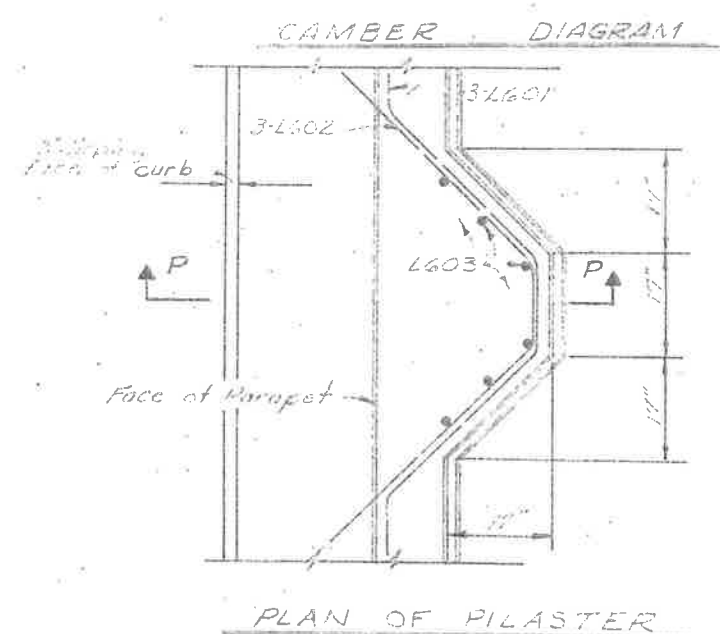
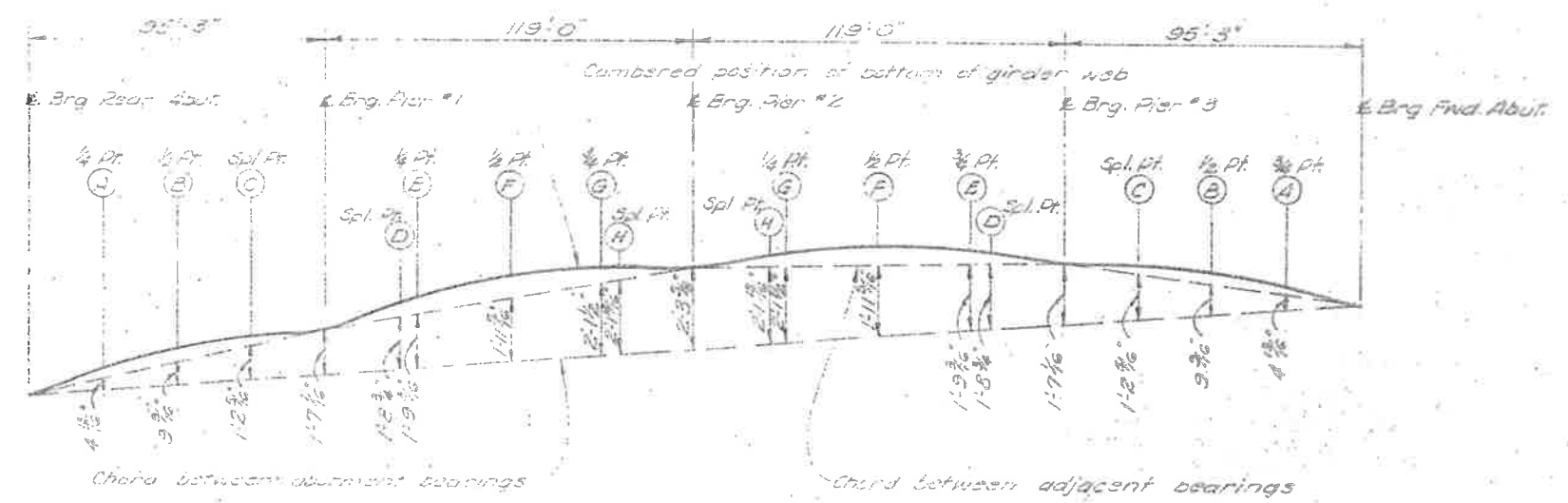
North Fascia Girders (Interlock Girders)

	A	B	C	D	E	F	G	H
Deflection due to weight of steel	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	0
Deflection due to remaining dead load	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	0
Adjustment required for vertical curves	1 1/2"	2 3/8"	1 3/8"	1 3/8"	2 3/8"	3 3/8"	2 3/8"	1 3/8"
Required shop camber	1 1/2"	2 3/8"	1 3/8"	1 3/8"	2 3/8"	3 3/8"	2 3/8"	1 3/8"

DEFLECTION AND CAMBER TABLE

Interior and South Fascia Girders

	A	B	C	D	E	F	G	H
Deflection due to weight of steel	1/8"	1/8"	1/8"	0	1/8"	1/8"	1/8"	0
Deflection due to remaining dead load	1/8"	1/8"	1/8"	0	1/8"	1/8"	1/8"	0
Adjustment required for vertical curves	1 1/2"	2 3/8"	1 3/8"	1 3/8"	2 3/8"	3 3/8"	2 3/8"	1 3/8"
Required shop camber	1 1/2"	2 3/8"	1 3/8"	1 3/8"	2 3/8"	3 3/8"	2 3/8"	1 3/8"



FOR additional details of BRIDGE LIGHTING see Std. Dwg. HL-3 & HL-4.

BRILL ENGINEERING CORPORATION
CONSULTING ENGINEERS
NEW YORK, N.Y. • COLUMBUS, OHIO • BUFFALO, N.Y.

SUPERSTRUCTURE DETAILS
BRIDGE No. 0.10
RELOCATED STATLER RD.
OVER MIAMI RIVER
MIAMI COUNTY STA 75+78.42

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	BY

REINFORCING STEEL LIST

Mark No Length Weight Shp
Rear Abutment

A802	20	27'-7"	1473	S
A803	40	5'-8"	605	B
A804	56	12'-4"	1844	S
A805	4	10'-6"	112	S
A806	16	5'-10"	249	B

Bending Diagrams



AG02	13	19'-9"	386	B
AG03	31	20'-5"	951	B
AG12	12	10'-0"	180	S

AG13	1	8'-0"	53	S
4	9'-6"			

Vary by 3' increments

AG14	1	8'-0"	66	S
5	9'-8"			

Vary by 5' increments

A525	72	9'-6"	713	B
A526	8	27'-2"	227	S
A527	8	35'-2"	293	S
A528	4	28'-7"	123	S
A529	2	7'-4"	16	S
A530	2	10'-10"	23	S
A531	2	34'-3"	71	S

A532	2	6'-8"	104	S
6	10'-0"			

Vary by 8' increments

A533	1	7'-7"	35	S
4	9'-1"			

Vary by 6' increments

A534	2	6'-7"	103	S
6	9'-11"			

Vary by 8' increments

A535	1	7'-8"	44	S
5	9'-4"			

Vary by 4' increments

A536	2	7'-4"	15	S
A537	2	16'-0"	33	B
A538	2	18'-0"	38	B
A539	16	10'-1"	168	B
A540	16	9'-3"	154	B
A541	16	8'-7"	143	B
A542	8	7'-7"	63	B



Forward Abutment

AG01	14	26'-11"	1096	S
AG01	32	13'-11"	669	B
AG02	13	19'-9"	386	B
AG03	25	20'-5"	767	B
AG04	14	10'-5"	219	B
AG05	1	8'-10"	91	S
6	11'-4"			

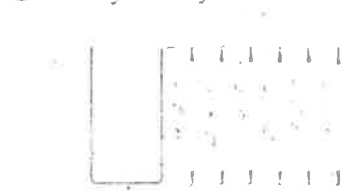
Vary by 4' increments



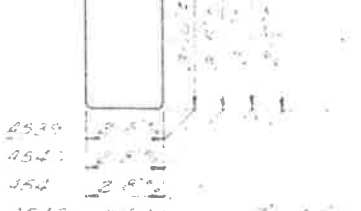
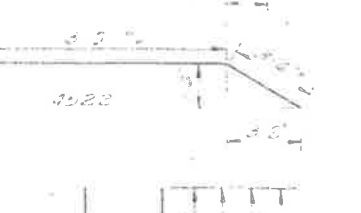
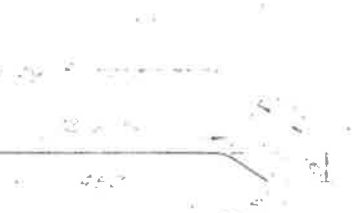
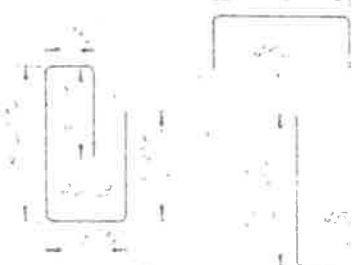
Mark No Length Weight Shp

P801	32	13'-11"	669	B
P802	14	10'-5"	219	B
P803	25	20'-5"	767	B
P804	14	10'-5"	219	B

Bending Diagrams



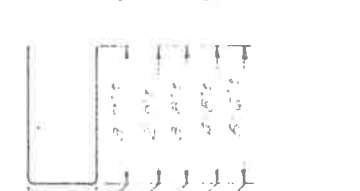
P805	22	32'-7"	2394	S
P806	22	32'-7"	2394	S
P807	22	32'-7"	2394	S
P808	22	32'-7"	2394	S
P809	22	32'-7"	2394	S
P810	22	32'-7"	2394	S
P811	22	32'-7"	2394	S
P812	22	32'-7"	2394	S
P813	22	32'-7"	2394	S
P814	22	32'-7"	2394	S
P815	22	32'-7"	2394	S
P816	22	32'-7"	2394	S
P817	22	32'-7"	2394	S
P818	22	32'-7"	2394	S
P819	22	32'-7"	2394	S
P820	22	32'-7"	2394	S
P821	22	32'-7"	2394	S
P822	22	32'-7"	2394	S
P823	22	32'-7"	2394	S
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P998	22	32'-7"	2394	S
P999	22	32'-7"	2394	S
P1000	22	32'-7"	2394	S



Mark No Length Weight Shp

P801	32	13'-11"	669	B
P802	14	10'-5"	219	B
P803	25	20'-5"	767	B
P804	14	10'-5"	219	B

Bending Diagrams

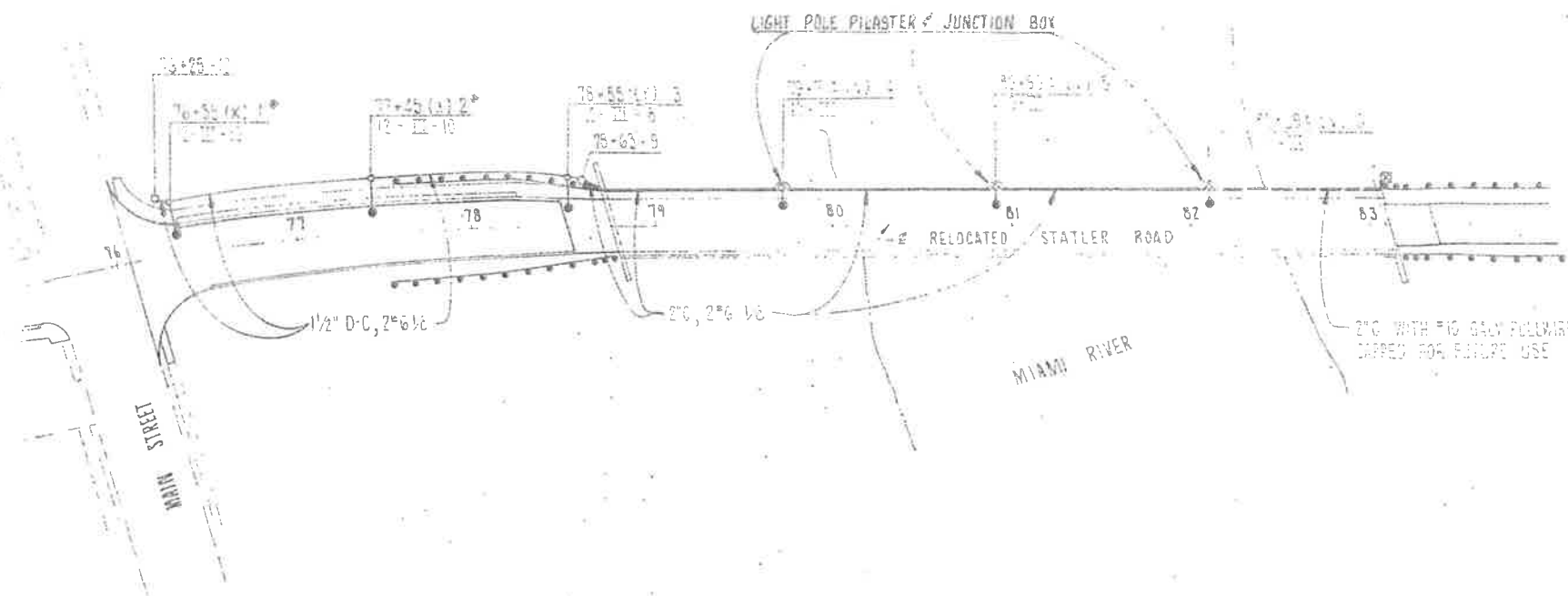


LEGEND

NO. OF DIVISION	STATE	PROJECT
2	OHIO	

40
48

MIAMI COUNTY CR#18
PIQUA SU-1532 (1)



LIGHT POLE & LUMINAIRE
STATION LOCATION & (POLE TYPE) POLE NO.
ARM LENGTH - TYPE DISTRIBUTION - OFFSET - & LIGHT POLE FROM BACK OF CURB

POLE TYPE - POLE DESIGN No.
X - 11A12B34.2
Y - 11A10B32.5
V - 11A10B30

PULL BOX 18" I.D.
STATION LOCATION - OFFSET & PULL BOX FROM BACK OF CURB

2" C = 2" METAL CONDUIT

ALTERNATE TRENCH - 4'-6" DEEP (MIN.)

D-C - DUCT-CABLE

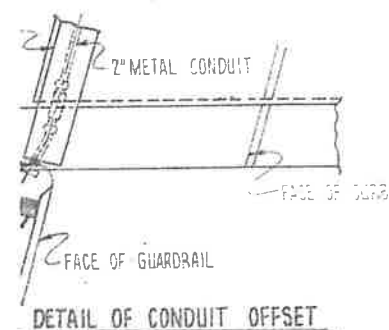
⊗ - MARKER

MECHANICAL PROPERTIES FOR ANCHOR BASE LIGHT POLES

SHAFT SIZE	GAUGE	ANCHOR BOLTS		MAXIMUM ARM LENGTH	MOUNTING HEIGHT	ELASTIC DEFLECTION RATE INCHES PER 100 LBS	AT 2/3 OF YIELD STRESS			AT YIELD STRESS		
		BOLT CIRCLE DIAMETER	PROJECTION ABOVE PROJECTION				LOAD IN LBS	TOTAL DEFLECTION IN INCHES	PERMANENT SET IN INCHES	LOAD IN LBS	TOTAL DEFLECTION IN INCHES	PERMANENT SET IN INCHES
9.0" x 4.87" x 29'-6"	11	15"	3 1/2"	15"	34'-2"	2.16	659	14.73	.50	989	24.00	2.64
8.0" x 3.87" x 29'-6"	11	11"	2 5/8"	10"	32'-6"	3.32	517	17.66	.50	776	29.54	3.08
8.0" x 4.22" x 27'-0"	11	11"	2 5/8"	12"	30'-0"	2.37	568	13.96	.50	852	22.71	2.52

FOUNDATION AT STA. 76+35 SHOULD BE RUCTED INTERGALLY WITH THE RETAINING FOR ADDITIONAL DETAILS SEE SHEET 4

* Pole No. 1 & No. 2 shall be supported by an Aluminum Transformer Base AT-A, see Sheet 40A.



GENERAL		LIGHTING		SUMMARY		Type Code 6201	
STRUCTURE	ROADWAY	GRAND TOTAL	UNIT	ITEM	DESCRIPTION		
No. 0.10							
SHEET No. 40	30						
1 625	2	2	EA	625	LIGHT POLE, W/12' BRACKET ARM-DESIGN 11A12B34.2		
2 625	1	1	EA	625	LIGHT POLE, W/10' BRACKET ARM-DESIGN 11A10B32.5		
3 625	-	3	EA	625	LIGHT POLE, W/10' BRACKET ARM-DESIGN 11A10B30		
4 625	-	-					
5 625	3	6	EA	625	LUMINAIRE, TYPE III, 400 WATT MERCURY W/400 WATT BALLAST		
6 625	3	6	EA	625	MERCURY VAPOR LAMP, 400 WATT (H-53-ICD)		
7 625	3	3	EA	625	GROUND ROD UNIT		
8 625	2	2	EA	625	PULL BOX ROUND 18" I.D.		
9 625	20	20	L.F	625	TRENCH, 24" DEEP		
10 625	230	230	L.F	625	TRENCH, 4'-6" DEEP		
11 625	906	946	L.F	625	CIRCUIT CABLE 600 VOLT 1/2" N#6		
12 625	240	503	L.F	625	POLE AND BRACKET CABLE 600 VOLT 1/2" N#10		
13 625	-	260	L.F	625	DUCT-CABLE, 600 VOLT TWO INSULATED 1/2" N#6		
14 625	4	4	EA	625	CONNECTOR KITS, TYPE I		
15 625	3	6	EA	625	CONNECTOR KITS, TYPE II		
16 625	3	6	EA	625	CONNECTOR KITS, TYPE III		
17 625	1	1	EA	625	STRUCTURE GROUNDING SYSTEM		
18 625	3	3	EA	625	LIGHT POLE FOUNDATION		
19 625	3	3	SET OF 4	625	LIGHT POLE ANCHOR BOLTS (L) FOR STRUCTURE		
20 625	8	8	L.F	625	CONDUIT, 3/4" RIGID FERROUS METAL TYPE II OR III		
21 625	6	6	L.F	625	CONDUIT, 1 1/4" RIGID FERROUS METAL TYPE II OR III		
22 625	433	453	L.F	625	CONDUIT, 2" RIGID FERROUS METAL TYPE II OR III		
23 625	1	1	EA	625	MARKER		
24 625	3	3	EA	625	STRUCTURE JUNCTION BOX		





BRIDGE LOAD RATING SUMMARY REPORT

OFFICE OF STRUCTURAL ENGINEERING

OHIO DEPARTMENT OF TRANSPORTATION

SFN	Bridge Number	DISTRICT	GPS COORDINATES	
5530741	MIA-015-0557	7	LATITUDE: 40 08' 19.97"	LONGITUDE: 84 14' 16.15"
ORIGINAL YEAR BUILT	YEAR REBUILT	TOTAL BRIDGE LENGTH	FEATURE INTERSECTED (Below)	
1968	N/A	433 ft	GREAT MIAMI RIVER	
SPECIAL ASSUMPTIONS & COMMENTS	Deck Replacement, 4 Span Continuous Steel Beam Superstructure (Existing Beams) with a Composite Concrete Deck and Concrete Abutment and Piers. No future wearing surface load is considered.			
Please type or select on right using drop down arrow				
LOAD RATING PURPOSE:	2 - Rehabilitation			
GENERAL APPRAISAL (0-9):	5			
LOAD RATING SOFTWARE:	3 - AASHTO BrR			
SOFTWARE VERSION:	7.2.0.3001			
ROUTINE PERMIT LOAD (RPL):	N - Agency doesnot issue routine permits			
RATING SOURCE:	1 - Plan information available for load rating analysis			
LOAD RATING METHOD:	LRFR - Load & Resistance Factor Rating (RF) - Code 8			
DESIGN LOADING:	A - HL93			
STRUCTURE RATING SUMMARY				
OHIO & AASHTO LEGAL VEHICLES				
Legal Load	GVW (Tons)	No of Axles	Rating Factor RF	Safe Weight (Tons)
2F1	15	2	4.736	15.00
3F1	23	3	3.169	23.00
5C1	40	5	2.468	40.00
Type 3	25	3	3.014	25.00
Type 3-3	40	6	2.454	40.00
Type 3S2	36	5	2.495	36.00
SPECIALIZED HAULING VEHICLES (SHV)				
SU4/4F1	27	4	2.751	27.00
SU5	31	5	2.449	31.00
SU6	34.75	6	2.270	34.75
SU7	38.75	7	2.117	38.75
EMERGENCY VEHICLES (EV)				
Check box if rating for EV3 ☒				
EV2	28.75	2	2.576	28.75
EV3	43	3	2.050	43.00
Controlling Legal Load RF				
		150%	1.50	
Design Inventory and Operating Ratings				
Loading Type		Rating by RF		
		Inventory	Operating	
HL93 Loading		1.214	1.574	
Recommendation		No Load Posting is Recommended		
Sign Posting Recommendation:				
Routine Permit Load (RPL) Analysis (optional)				
Loading Type	GVW (Tons)	No of Axles	Rating Factor	Safe Load (Tons)
RPL 60T	60	6	1.000	60.00
RPL 65T	65	7	1.000	65.00
RPL Analysis Method				
AGENCY/FIRM/OFFICE		LJB Inc.		
	Name	PE Number	Phone Number	Email
				Report Date:
Rated By	Robert Yin, PE	65468	440-426-2605	ryin@ljbinc.com
Reviewed By	Steve Mitchell, PE	82830	937-259-5021	SMitchell@ljbinc.com

Bridge Name: Piqua Troy Bridge over Great Miami River
NBI Structure ID: 5530741DR
Bridge ID: 5530741 (Deck Replacement)

Analyzed By: BrRAdmin
Analyze Date: Tuesday, January 31, 2023 19:06:44
Analysis Engine: AASHTO LRFR Engine Version 7.2.0.3001
Analysis Preference Setting: None

Report By: BrRAdmin
Report Date: Tuesday, January 31, 2023 19:08:44

Structure Definition Name: Steel Frame
Member Name: Member 1
Member Alternative Name: Wizard Alternative

Load and Resistance Factor Rating Summary

		Rating		Girder Summary		Capacity		Location			
Live		Factor	Controls	(Ton)	Span	(ft)	Percent	Impact	Lane		
Load											
EV2	Legal	3.392	STRENGTH-I Steel Flexure Stress	97.51	2	119.00	100.0	As Requested	As Requested		
EV3	Legal	2.685	STRENGTH-I Steel Flexure Stress	115.44	2	119.00	100.0	As Requested	As Requested		
HL-93 (US)	Inventory	1.352	STRENGTH-I Steel Flexure Stress	48.67	2	119.00	100.0	As Requested	As Requested		
HL-93 (US)	Operating	1.752	STRENGTH-I Steel Flexure Stress	63.09	2	119.00	100.0	As Requested	As Requested		
OH- 2F1	Legal	6.421	STRENGTH-I Steel Flexure Stress	96.32	2	119.00	100.0	As Requested	As Requested		
OH- 3F1	Legal	4.201	STRENGTH-I Steel Flexure Stress	96.62	2	119.00	100.0	As Requested	As Requested		
OH- 4F1	Legal	3.594	STRENGTH-I Steel Flexure Stress	97.03	2	119.00	100.0	As Requested	As Requested		
OH- 5C1	Legal	2.777	STRENGTH-I Steel Flexure Stress	111.06	2	119.00	100.0	As Requested	As Requested		
SU4	Legal	3.596	STRENGTH-I Steel Flexure Stress	97.09	2	119.00	100.0	As Requested	As Requested		

SU5	Legal	3.151	STRENGTH-I Steel Flexure Stress	97.69	2	119.00	100.0	As Requested	As Requested
SU6	Legal	2.817	STRENGTH-I Steel Flexure Stress	97.91	2	119.00	100.0	As Requested	As Requested
SU7	Legal	2.540	STRENGTH-I Steel Flexure Stress	98.42	2	119.00	100.0	As Requested	As Requested
Type 3	Legal	3.916	STRENGTH-I Steel Flexure Stress	97.89	2	119.00	100.0	As Requested	As Requested
Type 3 -3	Legal	2.746	STRENGTH-I Steel Flexure Stress	109.82	2	119.00	100.0	As Requested	As Requested
Type 3S2	Legal	2.901	STRENGTH-I Steel Flexure Stress	104.45	2	119.00	100.0	As Requested	As Requested

Note:

"N/A" indicates not applicable

"**" indicates not available

Reactions
Live Load: EV2
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	36.52	Axle Load	-3.62	Axle Load
2	174.81	N/A	41.95	Axle Load	0.00	Axle Load
3	174.06	N/A	41.92	Axle Load	-5.47	Axle Load
4	174.81	N/A	42.09	Axle Load	0.00	Axle Load
5	49.98	N/A	38.79	Axle Load	-3.84	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: EV2
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	151.16	Axle Load	-16.01	Axle Load

8.85(L)	9.3	385.73	N/A	281.66	Axle Load	-32.03	Axle Load
8.85(R)	9.3	385.73	N/A	281.66	Axle Load	-32.03	Axle Load
9.52(B)	10.0	410.49	N/A	299.77	Axle Load	-34.47	Axle Load
15.32(B)	16.1	596.25	N/A	435.99	Axle Load	-55.46	Axle Load
19.05(B)	20.0	690.11	N/A	505.52	Axle Load	-68.94	Axle Load
21.80(L)	22.9	746.63	N/A	548.11	Axle Load	-78.90	Axle Load
21.80(R)	22.9	746.63	N/A	548.11	Axle Load	-78.90	Axle Load
28.28(B)	29.7	836.34	N/A	620.24	Axle Load	-102.33	Axle Load
28.58(B)	30.0	839.04	N/A	622.66	Axle Load	-103.42	Axle Load
34.75(L)	36.5	865.90	N/A	654.73	Axle Load	-125.77	Axle Load
34.75(R)	36.5	865.90	N/A	654.73	Axle Load	-125.77	Axle Load
38.10(B)	40.0	857.32	N/A	658.71	Axle Load	-137.89	Axle Load
41.22(B)	43.3	834.80	N/A	654.49	Axle Load	-149.20	Axle Load
47.63(B)	50.0	744.95	N/A	639.57	Axle Load	-172.36	Axle Load
47.70(L)	50.1	743.55	N/A	639.30	Axle Load	-172.63	Axle Load
47.70(R)	50.1	743.55	N/A	639.30	Axle Load	-172.63	Axle Load
54.17(B)	56.9	591.63	N/A	600.00	Axle Load	-196.07	Axle Load
57.15(B)	60.0	501.67	N/A	572.32	Axle Load	-206.83	Axle Load
60.65(L)	63.7	379.57	N/A	532.65	Axle Load	-219.50	Axle Load
60.65(R)	63.7	379.57	N/A	532.65	Axle Load	-219.50	Axle Load
66.68(B)	70.0	127.75	N/A	448.24	Axle Load	-241.31	Axle Load
67.13(B)	70.5	106.85	N/A	441.16	Axle Load	-242.94	Axle Load
71.75(B)	75.3	-124.78	N/A	363.41	Axle Load	-259.67	Axle Load
73.60(L)	77.3	-226.03	N/A	330.40	Axle Load	-266.37	Axle Load
73.60(R)	77.3	-226.03	N/A	330.40	Axle Load	-266.37	Axle Load
76.20(B)	80.0	-376.82	N/A	282.03	Axle Load	-275.78	Axle Load
80.07(B)	84.1	-619.56	N/A	207.16	Axle Load	-289.80	Axle Load
82.25(B)	86.4	-765.25	N/A	163.20	Axle Load	-297.67	Axle Load
85.72(B)	90.0	-1012.55	N/A	107.30	Axle Load	-310.25	Axle Load
86.55(L)	90.9	-1073.93	N/A	97.98	Axle Load	-313.24	Axle Load
86.55(R)	90.9	-1073.93	N/A	97.98	Axle Load	-313.24	Axle Load
90.90(B)	95.4	-1414.93	N/A	48.74	Axle Load	-328.98	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-400.14	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-400.14	Axle Load
2.21(B)	1.9	-1596.84	N/A	26.84	Axle Load	-388.73	Axle Load
4.42(L)	3.7	-1416.57	N/A	53.52	Axle Load	-377.32	Axle Load
4.42(R)	3.7	-1416.57	N/A	53.52	Axle Load	-377.32	Axle Load
10.35(B)	8.7	-970.10	N/A	125.75	Axle Load	-346.74	Axle Load

11.90(B)	10.0	-861.70	N/A	156.57	Axle Load	-338.71	Axle Load
13.00(B)	10.9	-787.22	N/A	177.62	Axle Load	-333.03	Axle Load
16.27(L)	13.7	-576.19	N/A	239.39	Axle Load	-316.15	Axle Load
16.27(R)	13.7	-576.19	N/A	239.39	Axle Load	-316.15	Axle Load
22.19(B)	18.7	-233.38	N/A	339.43	Axle Load	-285.57	Axle Load
23.50(B)	19.7	-164.64	N/A	359.45	Axle Load	-278.83	Axle Load
23.80(B)	20.0	-149.19	N/A	363.91	Axle Load	-277.28	Axle Load
28.12(L)	23.6	59.07	N/A	423.70	Axle Load	-254.98	Axle Load
28.12(R)	23.6	59.07	N/A	423.70	Axle Load	-254.98	Axle Load
34.04(B)	28.6	300.68	N/A	488.15	Axle Load	-224.40	Axle Load
35.70(B)	30.0	359.17	N/A	502.48	Axle Load	-215.86	Axle Load
39.97(L)	33.6	491.92	N/A	532.03	Axle Load	-193.82	Axle Load
39.97(R)	33.6	491.92	N/A	532.03	Axle Load	-193.82	Axle Load
45.90(B)	38.6	632.33	N/A	553.36	Axle Load	-163.23	Axle Load
47.60(B)	40.0	663.41	N/A	555.46	Axle Load	-154.43	Axle Load
51.82(L)	43.5	722.38	N/A	554.71	Axle Load	-132.65	Axle Load
51.82(R)	43.5	722.38	N/A	554.71	Axle Load	-132.65	Axle Load
57.74(B)	48.5	761.59	N/A	545.20	Axle Load	-102.06	Axle Load
59.50(B)	50.0	763.54	N/A	537.96	Axle Load	-93.00	Axle Load
63.67(L)	53.5	750.44	N/A	513.47	Axle Load	-71.48	Axle Load
63.67(R)	53.5	750.44	N/A	513.47	Axle Load	-71.48	Axle Load
69.60(B)	58.5	688.45	N/A	462.26	Axle Load	-40.89	Axle Load
71.40(B)	60.0	659.56	N/A	442.72	Axle Load	-31.58	Axle Load
75.52(L)	63.5	576.10	N/A	392.61	Axle Load	-10.31	Axle Load
75.52(R)	63.5	576.10	N/A	392.61	Axle Load	-10.31	Axle Load
81.44(B)	68.4	412.91	N/A	309.49	Axle Load	-17.19	Axle Load
83.30(B)	70.0	351.47	N/A	280.81	Axle Load	-33.69	Axle Load
87.37(L)	73.4	199.36	N/A	218.10	Axle Load	-83.75	Axle Load
87.37(R)	73.4	199.36	N/A	218.10	Axle Load	-83.75	Axle Load
93.29(B)	78.4	-65.03	N/A	147.17	Axle Load	-184.14	Axle Load
95.20(B)	80.0	-160.73	N/A	126.27	Axle Load	-222.57	Axle Load
95.50(B)	80.3	-176.28	N/A	123.00	Axle Load	-228.77	Axle Load
99.22(L)	83.4	-379.78	N/A	112.03	Axle Load	-310.29	Axle Load
99.22(R)	83.4	-379.78	N/A	112.03	Axle Load	-310.29	Axle Load
104.00(B)	87.4	-670.79	N/A	136.70	Axle Load	-424.44	Axle Load
105.14(B)	88.4	-745.42	N/A	142.61	Axle Load	-453.87	Axle Load
107.10(B)	90.0	-877.40	N/A	152.71	Axle Load	-504.98	Axle Load
111.07(L)	93.3	-1163.17	N/A	173.20	Axle Load	-612.35	Axle Load
111.07(R)	93.3	-1163.17	N/A	173.20	Axle Load	-612.35	Axle Load
115.03(B)	96.7	-1472.63	N/A	193.67	Axle Load	-724.21	Axle Load
119.00(L)	100.0	-1805.80	N/A	214.13	Axle Load	-839.70	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	213.93	Axle Load	-840.55	Axle Load
2.21(B)	1.9	-1617.10	N/A	202.54	Axle Load	-775.11	Axle Load
4.42(L)	3.7	-1435.79	N/A	191.14	Axle Load	-710.35	Axle Load
4.42(R)	3.7	-1435.79	N/A	191.14	Axle Load	-710.35	Axle Load
10.35(B)	8.7	-986.53	N/A	160.58	Axle Load	-546.49	Axle Load
11.90(B)	10.0	-877.39	N/A	152.56	Axle Load	-505.18	Axle Load
15.00(B)	12.6	-670.71	N/A	136.58	Axle Load	-424.71	Axle Load
16.27(L)	13.7	-590.16	N/A	130.03	Axle Load	-393.28	Axle Load
16.27(R)	13.7	-590.16	N/A	130.03	Axle Load	-393.28	Axle Load
22.19(B)	18.7	-245.44	N/A	110.60	Axle Load	-256.65	Axle Load
23.50(B)	19.7	-176.28	N/A	123.78	Axle Load	-228.90	Axle Load
23.80(B)	20.0	-160.73	N/A	126.84	Axle Load	-222.61	Axle Load
28.12(L)	23.6	48.92	N/A	174.92	Axle Load	-140.01	Axle Load
28.12(R)	23.6	48.92	N/A	174.92	Axle Load	-140.01	Axle Load
34.04(B)	28.6	292.44	N/A	254.56	Axle Load	-51.98	Axle Load
35.70(B)	30.0	351.47	N/A	280.59	Axle Load	-33.72	Axle Load
39.97(L)	33.6	485.60	N/A	345.01	Axle Load	-2.88	Axle Load
39.97(R)	33.6	485.60	N/A	345.01	Axle Load	-2.88	Axle Load
45.90(B)	38.6	627.93	N/A	422.84	Axle Load	-22.75	Axle Load
47.60(B)	40.0	659.55	N/A	442.53	Axle Load	-31.55	Axle Load
51.82(L)	43.5	719.89	N/A	485.56	Axle Load	-53.31	Axle Load
51.82(R)	43.5	719.89	N/A	485.56	Axle Load	-53.31	Axle Load
57.74(B)	48.5	761.01	N/A	528.84	Axle Load	-83.87	Axle Load
59.50(B)	50.0	763.53	N/A	537.78	Axle Load	-92.92	Axle Load
63.67(L)	53.5	751.77	N/A	551.85	Axle Load	-114.42	Axle Load
63.67(R)	53.5	751.77	N/A	551.85	Axle Load	-114.42	Axle Load
69.60(B)	58.5	691.70	N/A	556.07	Axle Load	-144.98	Axle Load
71.40(B)	60.0	663.39	N/A	555.63	Axle Load	-154.29	Axle Load
75.52(L)	63.5	581.26	N/A	547.19	Axle Load	-175.53	Axle Load
75.52(R)	63.5	581.26	N/A	547.19	Axle Load	-175.53	Axle Load
81.44(B)	68.4	419.98	N/A	516.88	Axle Load	-206.09	Axle Load
83.30(B)	70.0	359.14	N/A	502.62	Axle Load	-215.66	Axle Load
87.37(L)	73.4	208.34	N/A	464.17	Axle Load	-236.65	Axle Load
87.37(R)	73.4	208.34	N/A	464.17	Axle Load	-236.65	Axle Load
93.29(B)	78.4	-54.13	N/A	391.67	Axle Load	-267.20	Axle Load
95.20(B)	80.0	-149.22	N/A	364.04	Axle Load	-277.03	Axle Load
95.50(B)	80.3	-164.67	N/A	359.48	Axle Load	-278.57	Axle Load
99.22(L)	83.4	-366.97	N/A	300.20	Axle Load	-297.76	Axle Load
99.22(R)	83.4	-366.97	N/A	300.20	Axle Load	-297.76	Axle Load
105.14(B)	88.4	-730.64	N/A	194.62	Axle Load	-328.31	Axle Load

106.00(B)	89.1	-787.28	N/A	178.29	Axle Load	-332.72	Axle Load
107.10(B)	90.0	-861.74	N/A	156.72	Axle Load	-338.40	Axle Load
111.07(L)	93.3	-1145.63	N/A	95.15	Axle Load	-358.87	Axle Load
111.07(R)	93.3	-1145.63	N/A	95.15	Axle Load	-358.87	Axle Load
115.03(B)	96.7	-1453.22	N/A	48.05	Axle Load	-379.32	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-399.77	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-399.77	Axle Load
2.21(B)	2.3	-1593.15	N/A	24.63	Axle Load	-341.82	Axle Load
4.42(L)	4.6	-1409.13	N/A	49.53	Axle Load	-328.52	Axle Load
4.42(R)	4.6	-1409.13	N/A	49.53	Axle Load	-328.52	Axle Load
9.52(B)	10.0	-1012.64	N/A	107.30	Axle Load	-310.06	Axle Load
10.80(B)	11.3	-920.11	N/A	121.58	Axle Load	-305.47	Axle Load
13.00(B)	13.6	-765.24	N/A	163.39	Axle Load	-297.49	Axle Load
17.17(L)	18.0	-491.76	N/A	246.44	Axle Load	-282.41	Axle Load
17.17(R)	18.0	-491.76	N/A	246.44	Axle Load	-282.41	Axle Load
19.05(B)	20.0	-376.78	N/A	282.51	Axle Load	-275.61	Axle Load
23.50(B)	24.7	-124.81	N/A	363.46	Axle Load	-259.51	Axle Load
23.55(B)	24.7	-122.41	N/A	364.26	Axle Load	-259.35	Axle Load
28.58(B)	30.0	127.87	N/A	447.89	Axle Load	-241.16	Axle Load
29.92(L)	31.4	188.64	N/A	468.49	Axle Load	-236.29	Axle Load
29.92(R)	31.4	188.64	N/A	468.49	Axle Load	-236.29	Axle Load
36.29(B)	38.1	440.88	N/A	552.88	Axle Load	-213.23	Axle Load
38.10(B)	40.0	501.71	N/A	572.49	Axle Load	-206.71	Axle Load
42.67(L)	44.8	634.82	N/A	612.45	Axle Load	-190.18	Axle Load
42.67(R)	44.8	634.82	N/A	612.45	Axle Load	-190.18	Axle Load
47.63(B)	50.0	744.89	N/A	639.44	Axle Load	-172.26	Axle Load
49.04(B)	51.5	769.94	N/A	643.78	Axle Load	-167.12	Axle Load
55.42(L)	58.2	846.76	N/A	657.35	Axle Load	-144.06	Axle Load
55.42(R)	58.2	846.76	N/A	657.35	Axle Load	-144.06	Axle Load
57.15(B)	60.0	857.41	N/A	658.60	Axle Load	-137.80	Axle Load
61.79(B)	64.9	864.77	N/A	650.54	Axle Load	-121.00	Axle Load
66.68(B)	70.0	839.15	N/A	622.66	Axle Load	-103.35	Axle Load
68.17(L)	71.6	824.47	N/A	609.86	Axle Load	-97.95	Axle Load
68.17(R)	71.6	824.47	N/A	609.86	Axle Load	-97.95	Axle Load
74.54(B)	78.3	725.36	N/A	532.05	Axle Load	-74.89	Axle Load
76.20(B)	80.0	690.09	N/A	505.50	Axle Load	-68.90	Axle Load
80.92(L)	85.0	567.94	N/A	415.02	Axle Load	-51.83	Axle Load
80.92(R)	85.0	567.94	N/A	415.02	Axle Load	-51.83	Axle Load

85.72(B)	90.0	410.38	N/A	299.77	Axle Load	-34.45	Axle Load
87.29(B)	91.6	351.71	N/A	256.92	Axle Load	-28.77	Axle Load
93.67(L)	98.3	77.18	N/A	56.37	Axle Load	-5.71	Axle Load
93.67(R)	98.3	77.18	N/A	56.37	Axle Load	-5.71	Axle Load
94.46(B)	99.2	39.04	N/A	28.52	Axle Load	-2.86	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary

Live Load: EV2

Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	36.52	Axle Load	-3.62	Axle Load
4.43(B)	4.6	43.59	N/A	34.16	Axle Load	-3.62	Axle Load
8.85(L)	9.3	37.24	N/A	31.83	Axle Load	-3.62	Axle Load
8.85(R)	9.3	37.16	N/A	31.83	Axle Load	-3.62	Axle Load
9.52(B)	10.0	36.19	N/A	31.47	Axle Load	-3.62	Axle Load
15.32(B)	16.1	27.87	N/A	28.45	Axle Load	-4.84	Axle Load
19.05(B)	20.0	22.52	N/A	26.54	Axle Load	-6.82	Axle Load
21.80(L)	22.9	18.58	N/A	25.14	Axle Load	-8.27	Axle Load
21.80(R)	22.9	18.50	N/A	25.14	Axle Load	-8.27	Axle Load
28.28(B)	29.7	9.21	N/A	21.94	Axle Load	-11.64	Axle Load
28.58(B)	30.0	8.78	N/A	21.79	Axle Load	-11.79	Axle Load
34.75(L)	36.5	-0.08	N/A	18.84	Axle Load	-14.94	Axle Load
34.75(R)	36.5	-0.16	N/A	18.84	Axle Load	-14.94	Axle Load
38.10(B)	40.0	-4.96	N/A	17.29	Axle Load	-16.61	Axle Load
41.22(B)	43.3	-9.45	N/A	15.88	Axle Load	-18.14	Axle Load
47.63(B)	50.0	-18.63	N/A	13.15	Axle Load	-21.26	Axle Load
47.70(L)	50.1	-18.74	N/A	13.12	Axle Load	-21.29	Axle Load
47.70(R)	50.1	-18.82	N/A	13.12	Axle Load	-21.29	Axle Load
54.17(B)	56.9	-28.11	N/A	10.59	Axle Load	-24.48	Axle Load

57.15(B)	60.0	-32.37	N/A	9.43	Axle Load	-25.80	Axle Load
60.65(L)	63.7	-37.40	N/A	8.13	Axle Load	-27.30	Axle Load
60.65(R)	63.7	-37.48	N/A	8.13	Axle Load	-27.30	Axle Load
66.68(B)	70.0	-46.12	N/A	6.13	Axle Load	-30.13	Axle Load
67.13(B)	70.5	-46.76	N/A	5.98	Axle Load	-30.31	Axle Load
71.75(B)	75.3	-53.40	N/A	4.57	Axle Load	-32.49	Axle Load
73.60(L)	77.3	-56.05	N/A	4.02	Axle Load	-33.17	Axle Load
73.60(R)	77.3	-56.13	N/A	4.02	Axle Load	-33.17	Axle Load
76.20(B)	80.0	-59.86	N/A	3.27	Axle Load	-34.11	Axle Load
80.07(B)	84.1	-65.42	N/A	2.22	Axle Load	-35.43	Axle Load
82.25(B)	86.4	-68.54	N/A	1.86	Axle Load	-36.40	Axle Load
85.72(B)	90.0	-73.79	N/A	1.31	Axle Load	-37.47	Axle Load
86.55(L)	90.9	-75.03	N/A	1.18	Axle Load	-37.72	Axle Load
86.55(R)	90.9	-75.11	N/A	1.18	Axle Load	-37.72	Axle Load
90.90(B)	95.4	-81.67	N/A	0.57	Axle Load	-39.37	Axle Load
95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-40.50	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	39.99	Axle Load	0.00	Axle Load
2.21(B)	1.9	83.24	N/A	37.18	Axle Load	-0.36	Axle Load
4.42(L)	3.7	79.90	N/A	36.45	Axle Load	-0.73	Axle Load
4.42(R)	3.7	79.82	N/A	36.45	Axle Load	-0.73	Axle Load
10.35(B)	8.7	70.88	N/A	34.37	Axle Load	-1.82	Axle Load
11.90(B)	10.0	68.54	N/A	33.79	Axle Load	-2.13	Axle Load
13.00(B)	10.9	66.88	N/A	33.38	Axle Load	-2.35	Axle Load
16.27(L)	13.7	62.19	N/A	32.10	Axle Load	-3.18	Axle Load
16.27(R)	13.7	62.11	N/A	32.10	Axle Load	-3.18	Axle Load
22.19(B)	18.7	53.61	N/A	29.67	Axle Load	-5.25	Axle Load
23.50(B)	19.7	51.74	N/A	29.12	Axle Load	-5.73	Axle Load
23.80(B)	20.0	51.31	N/A	28.99	Axle Load	-5.84	Axle Load
28.12(L)	23.6	45.11	N/A	27.11	Axle Load	-7.49	Axle Load
28.12(R)	23.6	45.03	N/A	27.11	Axle Load	-7.49	Axle Load
34.04(B)	28.6	36.53	N/A	24.47	Axle Load	-9.92	Axle Load
35.70(B)	30.0	34.15	N/A	23.72	Axle Load	-10.62	Axle Load
39.97(L)	33.6	28.03	N/A	21.77	Axle Load	-12.46	Axle Load
39.97(R)	33.6	27.95	N/A	21.77	Axle Load	-12.46	Axle Load
45.90(B)	38.6	19.45	N/A	19.07	Axle Load	-15.11	Axle Load
47.60(B)	40.0	17.00	N/A	18.29	Axle Load	-15.88	Axle Load
51.82(L)	43.5	10.95	N/A	16.40	Axle Load	-17.80	Axle Load
51.82(R)	43.5	10.87	N/A	16.40	Axle Load	-17.80	Axle Load

57.74(B)	48.5	2.37	N/A	13.81	Axle Load	-20.50	Axle Load
59.50(B)	50.0	-0.15	N/A	13.10	Axle Load	-21.37	Axle Load
63.67(L)	53.5	-6.13	N/A	11.38	Axle Load	-23.25	Axle Load
63.67(R)	53.5	-6.21	N/A	11.38	Axle Load	-23.25	Axle Load
69.60(B)	58.5	-14.71	N/A	9.14	Axle Load	-26.12	Axle Load
71.40(B)	60.0	-17.30	N/A	8.46	Axle Load	-26.90	Axle Load
75.52(L)	63.5	-23.21	N/A	7.00	Axle Load	-28.64	Axle Load
75.52(R)	63.5	-23.29	N/A	7.00	Axle Load	-28.64	Axle Load
81.44(B)	68.4	-31.79	N/A	5.30	Axle Load	-31.41	Axle Load
83.30(B)	70.0	-34.45	N/A	5.30	Axle Load	-32.13	Axle Load
87.37(L)	73.4	-40.29	N/A	5.30	Axle Load	-33.62	Axle Load
87.37(R)	73.4	-40.37	N/A	5.30	Axle Load	-33.62	Axle Load
93.29(B)	78.4	-48.87	N/A	5.37	Axle Load	-36.03	Axle Load
95.20(B)	80.0	-51.61	N/A	5.37	Axle Load	-36.61	Axle Load
95.50(B)	80.3	-52.04	N/A	5.37	Axle Load	-36.70	Axle Load
99.22(L)	83.4	-57.37	N/A	5.37	Axle Load	-37.73	Axle Load
99.22(R)	83.4	-57.45	N/A	5.37	Axle Load	-37.73	Axle Load
104.00(B)	87.4	-64.31	N/A	5.41	Axle Load	-39.14	Axle Load
105.14(B)	88.4	-66.04	N/A	5.41	Axle Load	-39.38	Axle Load
107.10(B)	90.0	-68.99	N/A	5.41	Axle Load	-39.76	Axle Load
111.07(L)	93.3	-74.98	N/A	5.41	Axle Load	-40.43	Axle Load
111.07(R)	93.3	-75.06	N/A	5.41	Axle Load	-40.43	Axle Load
115.03(B)	96.7	-81.04	N/A	5.47	Axle Load	-41.40	Axle Load
119.00(L)	100.0	-87.02	N/A	5.47	Axle Load	-41.75	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	41.75	Axle Load	-5.46	Axle Load
2.21(B)	1.9	83.71	N/A	39.23	Axle Load	-5.16	Axle Load
4.42(L)	3.7	80.37	N/A	39.01	Axle Load	-5.16	Axle Load
4.42(R)	3.7	80.29	N/A	39.01	Axle Load	-5.16	Axle Load
10.35(B)	8.7	71.36	N/A	38.22	Axle Load	-5.16	Axle Load
11.90(B)	10.0	69.01	N/A	37.95	Axle Load	-5.16	Axle Load
15.00(B)	12.6	64.33	N/A	37.36	Axle Load	-5.16	Axle Load
16.27(L)	13.7	62.51	N/A	37.09	Axle Load	-5.16	Axle Load
16.27(R)	13.7	62.43	N/A	37.09	Axle Load	-5.16	Axle Load
22.19(B)	18.7	53.93	N/A	35.65	Axle Load	-5.16	Axle Load
23.50(B)	19.7	52.06	N/A	35.29	Axle Load	-5.16	Axle Load
23.80(B)	20.0	51.63	N/A	35.21	Axle Load	-5.16	Axle Load
28.12(L)	23.6	45.43	N/A	33.90	Axle Load	-5.16	Axle Load
28.12(R)	23.6	45.35	N/A	33.90	Axle Load	-5.16	Axle Load

34.04(B)	28.6	36.85	N/A	31.90	Axle Load	-5.16	Axle Load
35.70(B)	30.0	34.48	N/A	31.29	Axle Load	-5.16	Axle Load
39.97(L)	33.6	28.35	N/A	29.67	Axle Load	-5.76	Axle Load
39.97(R)	33.6	28.27	N/A	29.67	Axle Load	-5.76	Axle Load
45.90(B)	38.6	19.77	N/A	27.27	Axle Load	-7.74	Axle Load
47.60(B)	40.0	17.32	N/A	26.55	Axle Load	-8.35	Axle Load
51.82(L)	43.5	11.27	N/A	24.72	Axle Load	-9.94	Axle Load
51.82(R)	43.5	11.19	N/A	24.72	Axle Load	-9.94	Axle Load
57.74(B)	48.5	2.69	N/A	22.09	Axle Load	-12.33	Axle Load
59.50(B)	50.0	0.17	N/A	21.37	Axle Load	-13.11	Axle Load
63.67(L)	53.5	-5.81	N/A	19.46	Axle Load	-14.90	Axle Load
63.67(R)	53.5	-5.89	N/A	19.46	Axle Load	-14.90	Axle Load
69.60(B)	58.5	-14.39	N/A	16.92	Axle Load	-17.72	Axle Load
71.40(B)	60.0	-16.98	N/A	16.08	Axle Load	-18.54	Axle Load
75.52(L)	63.5	-22.89	N/A	14.21	Axle Load	-20.43	Axle Load
75.52(R)	63.5	-22.97	N/A	14.21	Axle Load	-20.43	Axle Load
81.44(B)	68.4	-31.47	N/A	11.71	Axle Load	-23.48	Axle Load
83.30(B)	70.0	-34.13	N/A	10.89	Axle Load	-24.35	Axle Load
87.37(L)	73.4	-39.97	N/A	9.15	Axle Load	-26.23	Axle Load
87.37(R)	73.4	-40.05	N/A	9.15	Axle Load	-26.23	Axle Load
93.29(B)	78.4	-48.55	N/A	6.82	Axle Load	-29.29	Axle Load
95.20(B)	80.0	-51.28	N/A	6.07	Axle Load	-30.15	Axle Load
95.50(B)	80.3	-51.71	N/A	5.95	Axle Load	-30.28	Axle Load
99.22(L)	83.4	-57.05	N/A	4.55	Axle Load	-31.91	Axle Load
99.22(R)	83.4	-57.13	N/A	4.55	Axle Load	-31.91	Axle Load
105.14(B)	88.4	-65.63	N/A	2.65	Axle Load	-34.62	Axle Load
106.00(B)	89.1	-66.86	N/A	2.46	Axle Load	-34.97	Axle Load
107.10(B)	90.0	-68.52	N/A	2.23	Axle Load	-35.40	Axle Load
111.07(L)	93.3	-74.51	N/A	1.43	Axle Load	-36.93	Axle Load
111.07(R)	93.3	-74.59	N/A	1.43	Axle Load	-36.93	Axle Load
115.03(B)	96.7	-80.57	N/A	0.69	Axle Load	-38.79	Axle Load
119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-40.13	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	40.64	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	37.83	Axle Load	-0.26	Axle Load
4.42(L)	4.6	81.60	N/A	37.27	Axle Load	-0.55	Axle Load
4.42(R)	4.6	81.52	N/A	37.27	Axle Load	-0.55	Axle Load
9.52(B)	10.0	73.82	N/A	35.87	Axle Load	-1.25	Axle Load
10.80(B)	11.3	71.90	N/A	35.50	Axle Load	-1.44	Axle Load

13.00(B)	13.6	68.57	N/A	34.84	Axle Load	-1.78	Axle Load
17.17(L)	18.0	62.59	N/A	33.51	Axle Load	-2.65	Axle Load
17.17(R)	18.0	62.51	N/A	33.51	Axle Load	-2.65	Axle Load
19.05(B)	20.0	59.81	N/A	32.88	Axle Load	-3.15	Axle Load
23.50(B)	24.7	53.43	N/A	31.32	Axle Load	-4.41	Axle Load
23.55(B)	24.7	53.37	N/A	31.30	Axle Load	-4.43	Axle Load
28.58(B)	30.0	46.15	N/A	29.40	Axle Load	-5.98	Axle Load
29.92(L)	31.4	44.22	N/A	28.87	Axle Load	-6.43	Axle Load
29.92(R)	31.4	44.14	N/A	28.87	Axle Load	-6.43	Axle Load
36.29(B)	38.1	34.99	N/A	26.25	Axle Load	-8.65	Axle Load
38.10(B)	40.0	32.40	N/A	25.48	Axle Load	-9.32	Axle Load
42.67(L)	44.8	25.85	N/A	23.47	Axle Load	-11.08	Axle Load
42.67(R)	44.8	25.77	N/A	23.47	Axle Load	-11.08	Axle Load
47.63(B)	50.0	18.66	N/A	21.26	Axle Load	-13.16	Axle Load
49.04(B)	51.5	16.62	N/A	20.59	Axle Load	-13.76	Axle Load
55.42(L)	58.2	7.48	N/A	17.67	Axle Load	-16.71	Axle Load
55.42(R)	58.2	7.40	N/A	17.67	Axle Load	-16.71	Axle Load
57.15(B)	60.0	4.92	N/A	16.81	Axle Load	-17.50	Axle Load
61.79(B)	64.9	-1.75	N/A	14.46	Axle Load	-19.69	Axle Load
66.68(B)	70.0	-8.75	N/A	12.09	Axle Load	-22.33	Axle Load
68.17(L)	71.6	-10.89	N/A	11.29	Axle Load	-23.08	Axle Load
68.17(R)	71.6	-10.97	N/A	11.29	Axle Load	-23.08	Axle Load
74.54(B)	78.3	-20.12	N/A	7.98	Axle Load	-26.66	Axle Load
76.20(B)	80.0	-22.49	N/A	7.07	Axle Load	-27.53	Axle Load
80.92(L)	85.0	-29.27	N/A	4.63	Axle Load	-30.04	Axle Load
80.92(R)	85.0	-29.35	N/A	4.63	Axle Load	-30.04	Axle Load
85.72(B)	90.0	-36.24	N/A	3.80	Axle Load	-33.04	Axle Load
87.29(B)	91.6	-38.49	N/A	3.80	Axle Load	-33.91	Axle Load
93.67(L)	98.3	-47.64	N/A	3.84	Axle Load	-37.89	Axle Load
93.67(R)	98.3	-47.72	N/A	3.84	Axle Load	-37.89	Axle Load
94.46(B)	99.2	-48.85	N/A	3.84	Axle Load	-38.34	Axle Load
95.25(L)	100.0	-49.98	N/A	3.84	Axle Load	-38.79	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions

Live Load: EV3
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	54.24	Axle Load	-5.40	Axle Load
2	174.81	N/A	62.66	Axle Load	0.00	Axle Load
3	174.06	N/A	62.67	Axle Load	-8.17	Axle Load
4	174.81	N/A	62.89	Axle Load	0.00	Axle Load
5	49.98	N/A	57.61	Axle Load	-5.73	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: EV3
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	224.44	Axle Load	-23.88	Axle Load
8.85(L)	9.3	385.73	N/A	417.98	Axle Load	-47.77	Axle Load
8.85(R)	9.3	385.73	N/A	417.98	Axle Load	-47.77	Axle Load
9.52(B)	10.0	410.49	N/A	444.80	Axle Load	-51.41	Axle Load
15.32(B)	16.1	596.25	N/A	646.51	Axle Load	-82.71	Axle Load
19.05(B)	20.0	690.11	N/A	749.36	Axle Load	-102.82	Axle Load
21.80(L)	22.9	746.63	N/A	812.27	Axle Load	-117.66	Axle Load
21.80(R)	22.9	746.63	N/A	812.27	Axle Load	-117.66	Axle Load
28.28(B)	29.7	836.34	N/A	918.18	Axle Load	-152.61	Axle Load
28.58(B)	30.0	839.04	N/A	921.65	Axle Load	-154.22	Axle Load
34.75(L)	36.5	865.90	N/A	980.62	Axle Load	-187.55	Axle Load
34.75(R)	36.5	865.90	N/A	980.62	Axle Load	-187.55	Axle Load
38.10(B)	40.0	857.32	N/A	992.78	Axle Load	-205.63	Axle Load
41.22(B)	43.3	834.80	N/A	991.83	Axle Load	-222.50	Axle Load
47.63(B)	50.0	744.95	N/A	965.75	Axle Load	-257.04	Axle Load
47.70(L)	50.1	743.55	N/A	965.23	Axle Load	-257.45	Axle Load
47.70(R)	50.1	743.55	N/A	965.23	Axle Load	-257.45	Axle Load
54.17(B)	56.9	591.63	N/A	897.50	Axle Load	-292.39	Axle Load
57.15(B)	60.0	501.67	N/A	852.99	Axle Load	-308.45	Axle Load
60.65(L)	63.7	379.57	N/A	791.17	Axle Load	-327.34	Axle Load
60.65(R)	63.7	379.57	N/A	791.17	Axle Load	-327.34	Axle Load
66.68(B)	70.0	127.75	N/A	661.76	Axle Load	-359.86	Axle Load

67.13(B)	70.5	106.85	N/A	651.22	Axle Load	-362.29	Axle Load
71.75(B)	75.3	-124.78	N/A	535.68	Axle Load	-387.25	Axle Load
73.60(L)	77.3	-226.03	N/A	486.15	Axle Load	-397.23	Axle Load
73.60(R)	77.3	-226.03	N/A	486.15	Axle Load	-397.23	Axle Load
76.20(B)	80.0	-376.82	N/A	414.65	Axle Load	-411.27	Axle Load
80.07(B)	84.1	-619.56	N/A	305.69	Axle Load	-432.18	Axle Load
82.25(B)	86.4	-765.25	N/A	241.77	Axle Load	-443.92	Axle Load
85.72(B)	90.0	-1012.55	N/A	160.98	Axle Load	-462.67	Axle Load
86.55(L)	90.9	-1073.93	N/A	143.41	Axle Load	-467.13	Axle Load
86.55(R)	90.9	-1073.93	N/A	143.41	Axle Load	-467.13	Axle Load
90.90(B)	95.4	-1414.93	N/A	50.34	Axle Load	-490.60	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-597.73	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-597.73	Axle Load
2.21(B)	1.9	-1596.84	N/A	24.84	Axle Load	-580.69	Axle Load
4.42(L)	3.7	-1416.57	N/A	63.25	Axle Load	-563.65	Axle Load
4.42(R)	3.7	-1416.57	N/A	63.25	Axle Load	-563.65	Axle Load
10.35(B)	8.7	-970.10	N/A	192.67	Axle Load	-517.96	Axle Load
11.90(B)	10.0	-861.70	N/A	229.74	Axle Load	-505.97	Axle Load
13.00(B)	10.9	-787.22	N/A	260.67	Axle Load	-497.49	Axle Load
16.27(L)	13.7	-576.19	N/A	351.05	Axle Load	-472.27	Axle Load
16.27(R)	13.7	-576.19	N/A	351.05	Axle Load	-472.27	Axle Load
22.19(B)	18.7	-233.38	N/A	501.22	Axle Load	-426.58	Axle Load
23.50(B)	19.7	-164.64	N/A	531.50	Axle Load	-416.52	Axle Load
23.80(B)	20.0	-149.19	N/A	538.22	Axle Load	-414.21	Axle Load
28.12(L)	23.6	59.07	N/A	628.33	Axle Load	-380.90	Axle Load
28.12(R)	23.6	59.07	N/A	628.33	Axle Load	-380.90	Axle Load
34.04(B)	28.6	300.68	N/A	729.17	Axle Load	-335.21	Axle Load
35.70(B)	30.0	359.17	N/A	751.96	Axle Load	-322.45	Axle Load
39.97(L)	33.6	491.92	N/A	799.02	Axle Load	-289.52	Axle Load
39.97(R)	33.6	491.92	N/A	799.02	Axle Load	-289.52	Axle Load
45.90(B)	38.6	632.33	N/A	837.01	Axle Load	-243.83	Axle Load
47.60(B)	40.0	663.41	N/A	841.77	Axle Load	-230.69	Axle Load
51.82(L)	43.5	722.38	N/A	842.79	Axle Load	-198.15	Axle Load
51.82(R)	43.5	722.38	N/A	842.79	Axle Load	-198.15	Axle Load
57.74(B)	48.5	761.59	N/A	822.96	Axle Load	-152.46	Axle Load
59.50(B)	50.0	763.54	N/A	810.48	Axle Load	-138.93	Axle Load
63.67(L)	53.5	750.44	N/A	771.69	Axle Load	-106.77	Axle Load
63.67(R)	53.5	750.44	N/A	771.69	Axle Load	-106.77	Axle Load

69.60(B)	58.5	688.45	N/A	691.86	Axle Load	-61.09	Axle Load
71.40(B)	60.0	659.56	N/A	661.88	Axle Load	-47.17	Axle Load
75.52(L)	63.5	576.10	N/A	587.78	Axle Load	-15.40	Axle Load
75.52(R)	63.5	576.10	N/A	587.78	Axle Load	-15.40	Axle Load
81.44(B)	68.4	412.91	N/A	465.12	Axle Load	-25.52	Axle Load
83.30(B)	70.0	351.47	N/A	423.16	Axle Load	-49.98	Axle Load
87.37(L)	73.4	199.36	N/A	332.99	Axle Load	-124.81	Axle Load
87.37(R)	73.4	199.36	N/A	332.99	Axle Load	-124.81	Axle Load
93.29(B)	78.4	-65.03	N/A	215.08	Axle Load	-275.06	Axle Load
95.20(B)	80.0	-160.73	N/A	182.55	Axle Load	-331.74	Axle Load
95.50(B)	80.3	-176.28	N/A	178.09	Axle Load	-341.02	Axle Load
99.22(L)	83.4	-379.78	N/A	167.35	Axle Load	-463.00	Axle Load
99.22(R)	83.4	-379.78	N/A	167.35	Axle Load	-463.00	Axle Load
104.00(B)	87.4	-670.79	N/A	204.21	Axle Load	-633.67	Axle Load
105.14(B)	88.4	-745.42	N/A	213.04	Axle Load	-677.20	Axle Load
107.10(B)	90.0	-877.40	N/A	228.11	Axle Load	-753.15	Axle Load
111.07(L)	93.3	-1163.17	N/A	258.73	Axle Load	-914.08	Axle Load
111.07(R)	93.3	-1163.17	N/A	258.73	Axle Load	-914.08	Axle Load
115.03(B)	96.7	-1472.63	N/A	289.30	Axle Load	-1080.80	Axle Load
119.00(L)	100.0	-1805.80	N/A	319.87	Axle Load	-1254.95	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	319.17	Axle Load	-1254.84	Axle Load
2.21(B)	1.9	-1617.10	N/A	302.17	Axle Load	-1157.48	Axle Load
4.42(L)	3.7	-1435.79	N/A	285.17	Axle Load	-1061.46	Axle Load
4.42(R)	3.7	-1435.79	N/A	285.17	Axle Load	-1061.46	Axle Load
10.35(B)	8.7	-986.53	N/A	239.58	Axle Load	-815.25	Axle Load
11.90(B)	10.0	-877.39	N/A	227.61	Axle Load	-753.76	Axle Load
15.00(B)	12.6	-670.71	N/A	203.76	Axle Load	-633.55	Axle Load
16.27(L)	13.7	-590.16	N/A	193.99	Axle Load	-586.90	Axle Load
16.27(R)	13.7	-590.16	N/A	193.99	Axle Load	-586.90	Axle Load
22.19(B)	18.7	-245.44	N/A	160.04	Axle Load	-382.47	Axle Load
23.50(B)	19.7	-176.28	N/A	179.46	Axle Load	-341.41	Axle Load
23.80(B)	20.0	-160.73	N/A	184.24	Axle Load	-331.99	Axle Load
28.12(L)	23.6	48.92	N/A	262.46	Axle Load	-208.73	Axle Load
28.12(R)	23.6	48.92	N/A	262.46	Axle Load	-208.73	Axle Load
34.04(B)	28.6	292.44	N/A	386.71	Axle Load	-77.21	Axle Load
35.70(B)	30.0	351.47	N/A	424.20	Axle Load	-50.23	Axle Load
39.97(L)	33.6	485.60	N/A	516.49	Axle Load	-4.57	Axle Load
39.97(R)	33.6	485.60	N/A	516.49	Axle Load	-4.57	Axle Load

45.90(B)	38.6	627.93	N/A	632.84	Axle Load	-33.95	Axle Load
47.60(B)	40.0	659.55	N/A	662.58	Axle Load	-47.06	Axle Load
51.82(L)	43.5	719.89	N/A	727.26	Axle Load	-79.53	Axle Load
51.82(R)	43.5	719.89	N/A	727.26	Axle Load	-79.53	Axle Load
57.74(B)	48.5	761.01	N/A	796.24	Axle Load	-125.12	Axle Load
59.50(B)	50.0	763.53	N/A	810.97	Axle Load	-138.62	Axle Load
63.67(L)	53.5	751.77	N/A	834.66	Axle Load	-170.71	Axle Load
63.67(R)	53.5	751.77	N/A	834.66	Axle Load	-170.71	Axle Load
69.60(B)	58.5	691.70	N/A	843.84	Axle Load	-216.30	Axle Load
71.40(B)	60.0	663.39	N/A	841.34	Axle Load	-230.18	Axle Load
75.52(L)	63.5	581.26	N/A	825.57	Axle Load	-261.88	Axle Load
75.52(R)	63.5	581.26	N/A	825.57	Axle Load	-261.88	Axle Load
81.44(B)	68.4	419.98	N/A	774.51	Axle Load	-307.47	Axle Load
83.30(B)	70.0	359.14	N/A	751.41	Axle Load	-321.74	Axle Load
87.37(L)	73.4	208.34	N/A	691.66	Axle Load	-353.06	Axle Load
87.37(R)	73.4	208.34	N/A	691.66	Axle Load	-353.06	Axle Load
93.29(B)	78.4	-54.13	N/A	579.59	Axle Load	-398.65	Axle Load
95.20(B)	80.0	-149.22	N/A	537.43	Axle Load	-413.30	Axle Load
95.50(B)	80.3	-164.67	N/A	530.74	Axle Load	-415.61	Axle Load
99.22(L)	83.4	-366.97	N/A	442.52	Axle Load	-444.23	Axle Load
99.22(R)	83.4	-366.97	N/A	442.52	Axle Load	-444.23	Axle Load
105.14(B)	88.4	-730.64	N/A	285.21	Axle Load	-489.82	Axle Load
106.00(B)	89.1	-787.28	N/A	260.99	Axle Load	-496.40	Axle Load
107.10(B)	90.0	-861.74	N/A	228.95	Axle Load	-504.86	Axle Load
111.07(L)	93.3	-1145.63	N/A	140.31	Axle Load	-535.41	Axle Load
111.07(R)	93.3	-1145.63	N/A	140.31	Axle Load	-535.41	Axle Load
115.03(B)	96.7	-1453.22	N/A	52.02	Axle Load	-565.92	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-596.42	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-596.42	Axle Load
2.21(B)	2.3	-1593.15	N/A	22.80	Axle Load	-510.44	Axle Load
4.42(L)	4.6	-1409.13	N/A	52.23	Axle Load	-490.24	Axle Load
4.42(R)	4.6	-1409.13	N/A	52.23	Axle Load	-490.24	Axle Load
9.52(B)	10.0	-1012.64	N/A	161.13	Axle Load	-462.69	Axle Load
10.80(B)	11.3	-920.11	N/A	188.44	Axle Load	-455.83	Axle Load
13.00(B)	13.6	-765.24	N/A	242.22	Axle Load	-443.93	Axle Load
17.17(L)	18.0	-491.76	N/A	362.51	Axle Load	-421.42	Axle Load
17.17(R)	18.0	-491.76	N/A	362.51	Axle Load	-421.42	Axle Load
19.05(B)	20.0	-376.78	N/A	415.67	Axle Load	-411.28	Axle Load

23.50(B)	24.7	-124.81	N/A	535.47	Axle Load	-387.26	Axle Load
23.55(B)	24.7	-122.41	N/A	536.63	Axle Load	-387.02	Axle Load
28.58(B)	30.0	127.87	N/A	661.66	Axle Load	-359.87	Axle Load
29.92(L)	31.4	188.64	N/A	692.76	Axle Load	-352.61	Axle Load
29.92(R)	31.4	188.64	N/A	692.76	Axle Load	-352.61	Axle Load
36.29(B)	38.1	440.88	N/A	822.77	Axle Load	-318.20	Axle Load
38.10(B)	40.0	501.71	N/A	853.64	Axle Load	-308.46	Axle Load
42.67(L)	44.8	634.82	N/A	917.99	Axle Load	-283.79	Axle Load
42.67(R)	44.8	634.82	N/A	917.99	Axle Load	-283.79	Axle Load
47.63(B)	50.0	744.89	N/A	965.30	Axle Load	-257.05	Axle Load
49.04(B)	51.5	769.94	N/A	974.11	Axle Load	-249.38	Axle Load
55.42(L)	58.2	846.76	N/A	993.83	Axle Load	-214.98	Axle Load
55.42(R)	58.2	846.76	N/A	993.83	Axle Load	-214.98	Axle Load
57.15(B)	60.0	857.41	N/A	992.64	Axle Load	-205.64	Axle Load
61.79(B)	64.9	864.77	N/A	971.74	Axle Load	-180.57	Axle Load
66.68(B)	70.0	839.15	N/A	921.54	Axle Load	-154.23	Axle Load
68.17(L)	71.6	824.47	N/A	902.89	Axle Load	-146.16	Axle Load
68.17(R)	71.6	824.47	N/A	902.89	Axle Load	-146.16	Axle Load
74.54(B)	78.3	725.36	N/A	788.53	Axle Load	-111.75	Axle Load
76.20(B)	80.0	690.09	N/A	749.38	Axle Load	-102.82	Axle Load
80.92(L)	85.0	567.94	N/A	615.54	Axle Load	-77.34	Axle Load
80.92(R)	85.0	567.94	N/A	615.54	Axle Load	-77.34	Axle Load
85.72(B)	90.0	410.38	N/A	444.79	Axle Load	-51.41	Axle Load
87.29(B)	91.6	351.71	N/A	381.30	Axle Load	-42.94	Axle Load
93.67(L)	98.3	77.18	N/A	83.71	Axle Load	-8.53	Axle Load
93.67(R)	98.3	77.18	N/A	83.71	Axle Load	-8.53	Axle Load
94.46(B)	99.2	39.04	N/A	42.35	Axle Load	-4.26	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary

Live Load: EV3

Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	54.24	Axle Load	-5.40	Axle Load
4.43(B)	4.6	43.59	N/A	50.72	Axle Load	-5.40	Axle Load
8.85(L)	9.3	37.24	N/A	47.23	Axle Load	-5.40	Axle Load
8.85(R)	9.3	37.16	N/A	47.23	Axle Load	-5.40	Axle Load
9.52(B)	10.0	36.19	N/A	46.70	Axle Load	-5.40	Axle Load
15.32(B)	16.1	27.87	N/A	42.19	Axle Load	-7.68	Axle Load
19.05(B)	20.0	22.52	N/A	39.34	Axle Load	-9.81	Axle Load
21.80(L)	22.9	18.58	N/A	37.26	Axle Load	-11.98	Axle Load
21.80(R)	22.9	18.50	N/A	37.26	Axle Load	-11.98	Axle Load
28.28(B)	29.7	9.21	N/A	32.47	Axle Load	-17.03	Axle Load
28.58(B)	30.0	8.78	N/A	32.25	Axle Load	-17.26	Axle Load
34.75(L)	36.5	-0.08	N/A	27.85	Axle Load	-21.97	Axle Load
34.75(R)	36.5	-0.16	N/A	27.85	Axle Load	-21.97	Axle Load
38.10(B)	40.0	-4.96	N/A	25.55	Axle Load	-24.47	Axle Load
41.22(B)	43.3	-9.45	N/A	23.45	Axle Load	-26.77	Axle Load
47.63(B)	50.0	-18.63	N/A	19.39	Axle Load	-31.44	Axle Load
47.70(L)	50.1	-18.74	N/A	19.35	Axle Load	-31.49	Axle Load
47.70(R)	50.1	-18.82	N/A	19.35	Axle Load	-31.49	Axle Load
54.17(B)	56.9	-28.11	N/A	15.58	Axle Load	-36.26	Axle Load
57.15(B)	60.0	-32.37	N/A	13.86	Axle Load	-38.25	Axle Load
60.65(L)	63.7	-37.40	N/A	11.95	Axle Load	-40.51	Axle Load
60.65(R)	63.7	-37.48	N/A	11.95	Axle Load	-40.51	Axle Load
66.68(B)	70.0	-46.12	N/A	8.97	Axle Load	-44.75	Axle Load
67.13(B)	70.5	-46.76	N/A	8.74	Axle Load	-45.02	Axle Load
71.75(B)	75.3	-53.40	N/A	6.65	Axle Load	-48.29	Axle Load
73.60(L)	77.3	-56.05	N/A	5.83	Axle Load	-49.32	Axle Load
73.60(R)	77.3	-56.13	N/A	5.83	Axle Load	-49.32	Axle Load
76.20(B)	80.0	-59.86	N/A	4.70	Axle Load	-50.74	Axle Load
80.07(B)	84.1	-65.42	N/A	3.48	Axle Load	-52.74	Axle Load
82.25(B)	86.4	-68.54	N/A	2.85	Axle Load	-54.17	Axle Load
85.72(B)	90.0	-73.79	N/A	1.88	Axle Load	-55.80	Axle Load
86.55(L)	90.9	-75.03	N/A	1.66	Axle Load	-56.17	Axle Load
86.55(R)	90.9	-75.11	N/A	1.66	Axle Load	-56.17	Axle Load
90.90(B)	95.4	-81.67	N/A	0.57	Axle Load	-58.65	Axle Load
95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-60.36	Axle Load

Span 2

DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load

Location (ft)	Percent						
0.00(R)	0.0	86.57	N/A	59.54	Axle Load	0.00	Axle Load
2.21(B)	1.9	83.24	N/A	55.34	Axle Load	-0.33	Axle Load
4.42(L)	3.7	79.90	N/A	54.25	Axle Load	-0.74	Axle Load
4.42(R)	3.7	79.82	N/A	54.25	Axle Load	-0.74	Axle Load
10.35(B)	8.7	70.88	N/A	51.12	Axle Load	-2.69	Axle Load
11.90(B)	10.0	68.54	N/A	50.25	Axle Load	-3.24	Axle Load
13.00(B)	10.9	66.88	N/A	49.63	Axle Load	-3.63	Axle Load
16.27(L)	13.7	62.19	N/A	47.71	Axle Load	-4.85	Axle Load
16.27(R)	13.7	62.11	N/A	47.71	Axle Load	-4.85	Axle Load
22.19(B)	18.7	53.61	N/A	44.07	Axle Load	-7.62	Axle Load
23.50(B)	19.7	51.74	N/A	43.24	Axle Load	-8.33	Axle Load
23.80(B)	20.0	51.31	N/A	43.05	Axle Load	-8.50	Axle Load
28.12(L)	23.6	45.11	N/A	40.23	Axle Load	-10.96	Axle Load
28.12(R)	23.6	45.03	N/A	40.23	Axle Load	-10.96	Axle Load
34.04(B)	28.6	36.53	N/A	36.27	Axle Load	-14.56	Axle Load
35.70(B)	30.0	34.15	N/A	35.15	Axle Load	-15.60	Axle Load
39.97(L)	33.6	28.03	N/A	32.24	Axle Load	-18.35	Axle Load
39.97(R)	33.6	27.95	N/A	32.24	Axle Load	-18.35	Axle Load
45.90(B)	38.6	19.45	N/A	28.21	Axle Load	-22.28	Axle Load
47.60(B)	40.0	17.00	N/A	27.06	Axle Load	-23.43	Axle Load
51.82(L)	43.5	10.95	N/A	24.23	Axle Load	-26.30	Axle Load
51.82(R)	43.5	10.87	N/A	24.23	Axle Load	-26.30	Axle Load
57.74(B)	48.5	2.37	N/A	20.38	Axle Load	-30.34	Axle Load
59.50(B)	50.0	-0.15	N/A	19.33	Axle Load	-31.63	Axle Load
63.67(L)	53.5	-6.13	N/A	16.75	Axle Load	-34.45	Axle Load
63.67(R)	53.5	-6.21	N/A	16.75	Axle Load	-34.45	Axle Load
69.60(B)	58.5	-14.71	N/A	13.44	Axle Load	-38.74	Axle Load
71.40(B)	60.0	-17.30	N/A	12.44	Axle Load	-39.91	Axle Load
75.52(L)	63.5	-23.21	N/A	10.26	Axle Load	-42.53	Axle Load
75.52(R)	63.5	-23.29	N/A	10.26	Axle Load	-42.53	Axle Load
81.44(B)	68.4	-31.79	N/A	7.92	Axle Load	-46.68	Axle Load
83.30(B)	70.0	-34.45	N/A	7.92	Axle Load	-47.75	Axle Load
87.37(L)	73.4	-40.29	N/A	7.92	Axle Load	-50.00	Axle Load
87.37(R)	73.4	-40.37	N/A	7.92	Axle Load	-50.00	Axle Load
93.29(B)	78.4	-48.87	N/A	8.02	Axle Load	-53.63	Axle Load
95.20(B)	80.0	-51.61	N/A	8.02	Axle Load	-54.50	Axle Load
95.50(B)	80.3	-52.04	N/A	8.02	Axle Load	-54.63	Axle Load
99.22(L)	83.4	-57.37	N/A	8.02	Axle Load	-56.21	Axle Load
99.22(R)	83.4	-57.45	N/A	8.02	Axle Load	-56.21	Axle Load
104.00(B)	87.4	-64.31	N/A	8.08	Axle Load	-58.35	Axle Load
105.14(B)	88.4	-66.04	N/A	8.08	Axle Load	-58.71	Axle Load

107.10(B)	90.0	-68.99	N/A	8.08	Axle Load	-59.30	Axle Load
111.07(L)	93.3	-74.98	N/A	8.08	Axle Load	-60.31	Axle Load
111.07(R)	93.3	-75.06	N/A	8.08	Axle Load	-60.31	Axle Load
115.03(B)	96.7	-81.04	N/A	8.17	Axle Load	-61.79	Axle Load
119.00(L)	100.0	-87.02	N/A	8.17	Axle Load	-62.34	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	62.32	Axle Load	-8.15	Axle Load
2.21(B)	1.9	83.71	N/A	58.54	Axle Load	-7.69	Axle Load
4.42(L)	3.7	80.37	N/A	58.22	Axle Load	-7.69	Axle Load
4.42(R)	3.7	80.29	N/A	58.22	Axle Load	-7.69	Axle Load
10.35(B)	8.7	71.36	N/A	57.00	Axle Load	-7.69	Axle Load
11.90(B)	10.0	69.01	N/A	56.59	Axle Load	-7.69	Axle Load
15.00(B)	12.6	64.33	N/A	55.68	Axle Load	-7.69	Axle Load
16.27(L)	13.7	62.51	N/A	55.28	Axle Load	-7.69	Axle Load
16.27(R)	13.7	62.43	N/A	55.28	Axle Load	-7.69	Axle Load
22.19(B)	18.7	53.93	N/A	53.09	Axle Load	-7.69	Axle Load
23.50(B)	19.7	52.06	N/A	52.54	Axle Load	-7.69	Axle Load
23.80(B)	20.0	51.63	N/A	52.42	Axle Load	-7.69	Axle Load
28.12(L)	23.6	45.43	N/A	50.44	Axle Load	-7.69	Axle Load
28.12(R)	23.6	45.35	N/A	50.44	Axle Load	-7.69	Axle Load
34.04(B)	28.6	36.85	N/A	47.42	Axle Load	-7.69	Axle Load
35.70(B)	30.0	34.48	N/A	46.52	Axle Load	-7.69	Axle Load
39.97(L)	33.6	28.35	N/A	44.07	Axle Load	-8.44	Axle Load
39.97(R)	33.6	28.27	N/A	44.07	Axle Load	-8.44	Axle Load
45.90(B)	38.6	19.77	N/A	40.47	Axle Load	-11.37	Axle Load
47.60(B)	40.0	17.32	N/A	39.39	Axle Load	-12.27	Axle Load
51.82(L)	43.5	11.27	N/A	36.66	Axle Load	-14.63	Axle Load
51.82(R)	43.5	11.19	N/A	36.66	Axle Load	-14.63	Axle Load
57.74(B)	48.5	2.69	N/A	32.72	Axle Load	-18.17	Axle Load
59.50(B)	50.0	0.17	N/A	31.64	Axle Load	-19.33	Axle Load
63.67(L)	53.5	-5.81	N/A	28.79	Axle Load	-22.00	Axle Load
63.67(R)	53.5	-5.89	N/A	28.79	Axle Load	-22.00	Axle Load
69.60(B)	58.5	-14.39	N/A	24.99	Axle Load	-26.19	Axle Load
71.40(B)	60.0	-16.98	N/A	23.75	Axle Load	-27.41	Axle Load
75.52(L)	63.5	-22.89	N/A	20.94	Axle Load	-30.25	Axle Load
75.52(R)	63.5	-22.97	N/A	20.94	Axle Load	-30.25	Axle Load
81.44(B)	68.4	-31.47	N/A	17.23	Axle Load	-34.79	Axle Load
83.30(B)	70.0	-34.13	N/A	16.02	Axle Load	-36.08	Axle Load
87.37(L)	73.4	-39.97	N/A	13.41	Axle Load	-38.91	Axle Load

87.37(R)	73.4	-40.05	N/A	13.41	Axle Load	-38.91	Axle Load
93.29(B)	78.4	-48.55	N/A	9.95	Axle Load	-43.48	Axle Load
95.20(B)	80.0	-51.28	N/A	8.83	Axle Load	-44.76	Axle Load
95.50(B)	80.3	-51.71	N/A	8.66	Axle Load	-44.96	Axle Load
99.22(L)	83.4	-57.05	N/A	6.59	Axle Load	-47.41	Axle Load
99.22(R)	83.4	-57.13	N/A	6.59	Axle Load	-47.41	Axle Load
105.14(B)	88.4	-65.63	N/A	4.13	Axle Load	-51.48	Axle Load
106.00(B)	89.1	-66.86	N/A	3.80	Axle Load	-51.99	Axle Load
107.10(B)	90.0	-68.52	N/A	3.38	Axle Load	-52.64	Axle Load
111.07(L)	93.3	-74.51	N/A	1.95	Axle Load	-54.94	Axle Load
111.07(R)	93.3	-74.59	N/A	1.95	Axle Load	-54.94	Axle Load
115.03(B)	96.7	-80.57	N/A	0.64	Axle Load	-57.74	Axle Load
119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-59.77	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	60.58	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	56.35	Axle Load	-0.25	Axle Load
4.42(L)	4.6	81.60	N/A	55.51	Axle Load	-0.55	Axle Load
4.42(R)	4.6	81.52	N/A	55.51	Axle Load	-0.55	Axle Load
9.52(B)	10.0	73.82	N/A	53.41	Axle Load	-1.80	Axle Load
10.80(B)	11.3	71.90	N/A	52.86	Axle Load	-2.14	Axle Load
13.00(B)	13.6	68.57	N/A	51.86	Axle Load	-2.74	Axle Load
17.17(L)	18.0	62.59	N/A	49.86	Axle Load	-3.95	Axle Load
17.17(R)	18.0	62.51	N/A	49.86	Axle Load	-3.95	Axle Load
19.05(B)	20.0	59.81	N/A	48.92	Axle Load	-4.54	Axle Load
23.50(B)	24.7	53.43	N/A	46.55	Axle Load	-6.41	Axle Load
23.55(B)	24.7	53.37	N/A	46.53	Axle Load	-6.43	Axle Load
28.58(B)	30.0	46.15	N/A	43.66	Axle Load	-8.75	Axle Load
29.92(L)	31.4	44.22	N/A	42.87	Axle Load	-9.41	Axle Load
29.92(R)	31.4	44.14	N/A	42.87	Axle Load	-9.41	Axle Load
36.29(B)	38.1	34.99	N/A	38.94	Axle Load	-12.71	Axle Load
38.10(B)	40.0	32.40	N/A	37.78	Axle Load	-13.70	Axle Load
42.67(L)	44.8	25.85	N/A	34.76	Axle Load	-16.32	Axle Load
42.67(R)	44.8	25.77	N/A	34.76	Axle Load	-16.32	Axle Load
47.63(B)	50.0	18.66	N/A	31.44	Axle Load	-19.39	Axle Load
49.04(B)	51.5	16.62	N/A	30.44	Axle Load	-20.29	Axle Load
55.42(L)	58.2	7.48	N/A	26.07	Axle Load	-24.69	Axle Load
55.42(R)	58.2	7.40	N/A	26.07	Axle Load	-24.69	Axle Load
57.15(B)	60.0	4.92	N/A	24.78	Axle Load	-25.87	Axle Load
61.79(B)	64.9	-1.75	N/A	21.25	Axle Load	-29.12	Axle Load

66.68(B)	70.0	-8.75	N/A	17.69	Axle Load	-33.05	Axle Load
68.17(L)	71.6	-10.89	N/A	16.50	Axle Load	-34.17	Axle Load
68.17(R)	71.6	-10.97	N/A	16.50	Axle Load	-34.17	Axle Load
74.54(B)	78.3	-20.12	N/A	11.53	Axle Load	-39.51	Axle Load
76.20(B)	80.0	-22.49	N/A	10.18	Axle Load	-40.81	Axle Load
80.92(L)	85.0	-29.27	N/A	7.38	Axle Load	-44.56	Axle Load
80.92(R)	85.0	-29.35	N/A	7.38	Axle Load	-44.56	Axle Load
85.72(B)	90.0	-36.24	N/A	5.67	Axle Load	-49.02	Axle Load
87.29(B)	91.6	-38.49	N/A	5.67	Axle Load	-50.32	Axle Load
93.67(L)	98.3	-47.64	N/A	5.73	Axle Load	-56.28	Axle Load
93.67(R)	98.3	-47.72	N/A	5.73	Axle Load	-56.28	Axle Load
94.46(B)	99.2	-48.85	N/A	5.73	Axle Load	-56.94	Axle Load
95.25(L)	100.0	-49.98	N/A	5.73	Axle Load	-57.61	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: HL-93 (US)
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	57.36	Truck + Lane	-6.49	Truck + Lane
2	174.81	N/A	110.96	90%(Truck Pair + Lane)	0.00	Tandem + Lane
3	174.06	N/A	120.18	90%(Truck Pair + Lane)	-12.52	Truck + Lane
4	174.81	N/A	111.36	90%(Truck Pair + Lane)	0.00	Tandem + Lane
5	49.98	N/A	60.93	Truck + Lane	-6.89	Truck + Lane

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: HL-93 (US)
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Tandem + Lane	0.00	Tandem + Lane
4.43(B)	4.6	206.91	N/A	237.59	Truck + Lane	-28.74	Truck + Lane
8.85(L)	9.3	385.73	N/A	442.98	Truck + Lane	-57.48	Truck + Lane
8.85(R)	9.3	385.73	N/A	442.98	Truck + Lane	-57.48	Truck + Lane
9.52(B)	10.0	410.49	N/A	471.52	Truck + Lane	-61.86	Truck + Lane
15.32(B)	16.1	596.25	N/A	686.52	Truck + Lane	-99.53	Truck + Lane
19.05(B)	20.0	690.11	N/A	796.64	Truck + Lane	-123.72	Truck + Lane
21.80(L)	22.9	746.63	N/A	864.18	Truck + Lane	-141.58	Truck + Lane
21.80(R)	22.9	746.63	N/A	864.18	Truck + Lane	-141.58	Truck + Lane
28.28(B)	29.7	836.34	N/A	980.78	Truck + Lane	-183.63	Truck + Lane
28.58(B)	30.0	839.04	N/A	985.35	Truck + Lane	-185.58	Truck + Lane
34.75(L)	36.5	865.90	N/A	1049.98	Truck + Lane	-225.68	Truck + Lane
34.75(R)	36.5	865.90	N/A	1049.98	Truck + Lane	-225.68	Truck + Lane
38.10(B)	40.0	857.32	N/A	1063.03	Truck + Lane	-247.44	Truck + Lane
41.22(B)	43.3	834.80	N/A	1061.27	Truck + Lane	-267.73	Truck + Lane
47.63(B)	50.0	744.95	N/A	1034.71	Truck + Lane	-309.29	Truck + Lane
47.70(L)	50.1	743.55	N/A	1034.17	Truck + Lane	-309.78	Truck + Lane
47.70(R)	50.1	743.55	N/A	1034.17	Truck + Lane	-309.78	Truck + Lane
54.17(B)	56.9	591.63	N/A	961.09	Truck + Lane	-351.83	Truck + Lane
57.15(B)	60.0	501.67	N/A	911.30	Truck + Lane	-371.15	Truck + Lane
60.65(L)	63.7	379.57	N/A	839.75	Truck + Lane	-393.88	Truck + Lane
60.65(R)	63.7	379.57	N/A	839.75		-393.88	

					Truck + Lane		Truck + Lane
66.68(B)	70.0	127.75	N/A	688.42	Truck + Lane	-433.01	Truck + Lane
67.13(B)	70.5	106.85	N/A	675.63	Truck + Lane	-435.93	Truck + Lane
71.75(B)	75.3	-124.78	N/A	535.36	Truck + Lane	-465.97	Truck + Lane
73.60(L)	77.3	-226.03	N/A	474.86	Truck + Lane	-477.99	Truck + Lane
73.60(R)	77.3	-226.03	N/A	474.86	Truck + Lane	-477.99	Truck + Lane
76.20(B)	80.0	-376.82	N/A	388.29	Truck + Lane	-497.20	Truck + Lane
80.07(B)	84.1	-619.56	N/A	269.78	Tandem + Lane	-549.74	90%(Truck Pair + Lane)
82.25(B)	86.4	-765.25	N/A	220.46	Tandem + Lane	-618.19	90%(Truck Pair + Lane)
85.72(B)	90.0	-1012.55	N/A	145.55	Tandem + Lane	-747.13	90%(Truck Pair + Lane)
86.55(L)	90.9	-1073.93	N/A	128.63	Tandem + Lane	-780.93	90%(Truck Pair + Lane)
86.55(R)	90.9	-1073.93	N/A	128.63	Tandem + Lane	-780.93	90%(Truck Pair + Lane)
90.90(B)	95.4	-1414.93	N/A	49.66	Truck + Lane	-973.81	90%(Truck Pair + Lane)
95.25(L)	100.0	-1784.48	N/A	0.00	Tandem + Lane	-1189.40	90%(Truck Pair + Lane)

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Tandem + Lane	-1189.40	90%(Truck Pair + Lane)
2.21(B)	1.9	-1596.84	N/A	26.56	Truck + Lane	-1079.52	90%(Truck Pair + Lane)
4.42(L)	3.7	-1416.57	N/A	54.92		-977.86	

					Truck + Lane		90%(Truck Pair + Lane)
4.42(R)	3.7	-1416.57	N/A	54.92	Truck + Lane	-977.86	90%(Truck Pair + Lane)
10.35(B)	8.7	-970.10	N/A	176.82	Tandem + Lane	-739.62	90%(Truck Pair + Lane)
11.90(B)	10.0	-861.70	N/A	210.33	Tandem + Lane	-686.63	90%(Truck Pair + Lane)
13.00(B)	10.9	-787.22	N/A	234.80	Tandem + Lane	-652.11	90%(Truck Pair + Lane)
16.27(L)	13.7	-576.19	N/A	314.65	Truck + Lane	-572.85	Truck + Lane
16.27(R)	13.7	-576.19	N/A	314.65	Truck + Lane	-572.85	Truck + Lane
22.19(B)	18.7	-233.38	N/A	487.60	Truck + Lane	-504.09	Truck + Lane
23.50(B)	19.7	-164.64	N/A	524.28	Truck + Lane	-491.42	Truck + Lane
23.80(B)	20.0	-149.19	N/A	532.51	Truck + Lane	-488.58	Truck + Lane
28.12(L)	23.6	59.07	N/A	643.30	Truck + Lane	-448.98	Truck + Lane
28.12(R)	23.6	59.07	N/A	643.30	Truck + Lane	-448.98	Truck + Lane
34.04(B)	28.6	300.68	N/A	764.36	Truck + Lane	-395.13	Truck + Lane
35.70(B)	30.0	359.17	N/A	791.75	Truck + Lane	-380.08	Truck + Lane
39.97(L)	33.6	491.92	N/A	848.73	Truck + Lane	-341.27	Truck + Lane
39.97(R)	33.6	491.92	N/A	848.73	Truck + Lane	-341.27	Truck + Lane
45.90(B)	38.6	632.33	N/A	893.42	Truck + Lane	-287.42	Truck + Lane
47.60(B)	40.0	663.41	N/A	899.26	Truck + Lane	-271.92	Truck + Lane
51.82(L)	43.5	722.38	N/A	901.43	Truck + Lane	-233.56	Truck + Lane
51.82(R)	43.5	722.38	N/A	901.43	Truck + Lane	-233.56	Truck + Lane
57.74(B)	48.5	761.59	N/A	880.48	Truck + Lane	-179.71	Truck + Lane
59.50(B)	50.0	763.54	N/A	866.45		-163.76	

					Truck + Lane		Truck + Lane
63.67(L)	53.5	750.44	N/A	821.11	Truck + Lane	-125.86	Truck + Lane
63.67(R)	53.5	750.44	N/A	821.11	Truck + Lane	-125.86	Truck + Lane
69.60(B)	58.5	688.45	N/A	725.85	Truck + Lane	-72.00	Truck + Lane
71.40(B)	60.0	659.56	N/A	689.63	Truck + Lane	-55.60	Truck + Lane
75.52(L)	63.5	576.10	N/A	597.56	Truck + Lane	-18.15	Truck + Lane
75.52(R)	63.5	576.10	N/A	597.56	Truck + Lane	-18.15	Truck + Lane
81.44(B)	68.4	412.91	N/A	456.16	Truck + Lane	-23.41	Truck + Lane
83.30(B)	70.0	351.47	N/A	412.12	Truck + Lane	-49.42	Truck + Lane
87.37(L)	73.4	199.36	N/A	321.13	Truck + Lane	-131.78	Truck + Lane
87.37(R)	73.4	199.36	N/A	321.13	Truck + Lane	-131.78	Truck + Lane
93.29(B)	78.4	-65.03	N/A	237.07	Tandem + Lane	-306.94	Truck + Lane
95.20(B)	80.0	-160.73	N/A	213.65	Tandem + Lane	-375.67	Truck + Lane
95.50(B)	80.3	-176.28	N/A	210.44	Tandem + Lane	-386.83	Truck + Lane
99.22(L)	83.4	-379.78	N/A	208.95	Truck + Lane	-535.69	Truck + Lane
99.22(R)	83.4	-379.78	N/A	208.95	Truck + Lane	-535.69	Truck + Lane
104.00(B)	87.4	-670.79	N/A	245.72	Truck + Lane	-752.88	Truck + Lane
105.14(B)	88.4	-745.42	N/A	255.05	Truck + Lane	-808.39	Truck + Lane
107.10(B)	90.0	-877.40	N/A	271.40	Truck + Lane	-905.60	Truck + Lane
111.07(L)	93.3	-1163.17	N/A	305.75	Truck + Lane	-1113.54	Truck + Lane
111.07(R)	93.3	-1163.17	N/A	305.75	Truck + Lane	-1113.54	Truck + Lane
115.03(B)	96.7	-1472.63	N/A	341.14	Truck + Lane	-1333.10	Truck + Lane
119.00(L)	100.0	-1805.80	N/A	377.05	Truck + Lane	-1566.50	Truck + Lane

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	376.89	Truck + Lane	-1566.13	Truck + Lane
2.21(B)	1.9	-1617.10	N/A	356.83	Truck + Lane	-1435.51	Truck + Lane
4.42(L)	3.7	-1435.79	N/A	336.86	Truck + Lane	-1308.12	Truck + Lane
4.42(R)	3.7	-1435.79	N/A	336.86	Truck + Lane	-1308.12	Truck + Lane
10.35(B)	8.7	-986.53	N/A	284.60	Truck + Lane	-985.22	Truck + Lane
11.90(B)	10.0	-877.39	N/A	271.31	Truck + Lane	-903.50	Truck + Lane
15.00(B)	12.6	-670.71	N/A	245.63	Truck + Lane	-752.61	Truck + Lane
16.27(L)	13.7	-590.16	N/A	235.53	Truck + Lane	-692.55	Truck + Lane
16.27(R)	13.7	-590.16	N/A	235.53	Truck + Lane	-692.55	Truck + Lane
22.19(B)	18.7	-245.44	N/A	197.35	Tandem + Lane	-437.16	Truck + Lane
23.50(B)	19.7	-176.28	N/A	211.79	Tandem + Lane	-384.95	Truck + Lane
23.80(B)	20.0	-160.73	N/A	215.15	Tandem + Lane	-373.75	Truck + Lane
28.12(L)	23.6	48.92	N/A	268.62	Tandem + Lane	-227.03	Truck + Lane
28.12(R)	23.6	48.92	N/A	268.62	Tandem + Lane	-227.03	Truck + Lane
34.04(B)	28.6	292.44	N/A	373.99	Truck + Lane	-77.46	Truck + Lane
35.70(B)	30.0	351.47	N/A	412.50	Truck + Lane	-48.11	Truck + Lane
39.97(L)	33.6	485.60	N/A	512.97	Truck + Lane	-4.27	Tandem + Lane
39.97(R)	33.6	485.60	N/A	512.97	Truck + Lane	-4.27	Tandem + Lane
45.90(B)	38.6	627.93	N/A	653.27	Truck + Lane	-40.08	Truck + Lane
47.60(B)	40.0	659.55	N/A	689.84	Truck + Lane	-55.57	Truck + Lane
51.82(L)	43.5	719.89	N/A	769.03	Truck + Lane	-93.91	Truck + Lane

51.82(R)	43.5	719.89	N/A	769.03	Truck + Lane	-93.91	Truck + Lane
57.74(B)	48.5	761.01	N/A	849.54	Truck + Lane	-147.74	Truck + Lane
59.50(B)	50.0	763.53	N/A	866.59	Truck + Lane	-163.69	Truck + Lane
63.67(L)	53.5	751.77	N/A	893.85	Truck + Lane	-201.57	Truck + Lane
63.67(R)	53.5	751.77	N/A	893.85	Truck + Lane	-201.57	Truck + Lane
69.60(B)	58.5	691.70	N/A	902.13	Truck + Lane	-255.41	Truck + Lane
71.40(B)	60.0	663.39	N/A	899.12	Truck + Lane	-271.80	Truck + Lane
75.52(L)	63.5	581.26	N/A	879.99	Truck + Lane	-309.24	Truck + Lane
75.52(R)	63.5	581.26	N/A	879.99	Truck + Lane	-309.24	Truck + Lane
81.44(B)	68.4	419.98	N/A	819.05	Truck + Lane	-363.07	Truck + Lane
83.30(B)	70.0	359.14	N/A	791.56	Truck + Lane	-379.92	Truck + Lane
87.37(L)	73.4	208.34	N/A	719.48	Truck + Lane	-416.90	Truck + Lane
87.37(R)	73.4	208.34	N/A	719.48	Truck + Lane	-416.90	Truck + Lane
93.29(B)	78.4	-54.13	N/A	583.55	Truck + Lane	-470.74	Truck + Lane
95.20(B)	80.0	-149.22	N/A	532.24	Truck + Lane	-488.37	Truck + Lane
95.50(B)	80.3	-164.67	N/A	523.87	Truck + Lane	-491.20	Truck + Lane
99.22(L)	83.4	-366.97	N/A	418.00	Truck + Lane	-529.26	Truck + Lane
99.22(R)	83.4	-366.97	N/A	418.00	Truck + Lane	-529.26	Truck + Lane
105.14(B)	88.4	-730.64	N/A	254.21	Tandem + Lane	-627.24	90%(Truck Pair + Lane)
106.00(B)	89.1	-787.28	N/A	235.32	Tandem + Lane	-651.78	90%(Truck Pair + Lane)
107.10(B)	90.0	-861.74	N/A	211.07	Tandem + Lane	-686.42	90%(Truck Pair + Lane)
111.07(L)	93.3	-1145.63	N/A	125.56	Tandem + Lane	-829.20	90%(Truck Pair + Lane)

111.07(R)	93.3	-1145.63	N/A	125.56	Tandem + Lane	-829.20	90%(Truck Pair + Lane)
115.03(B)	96.7	-1453.22	N/A	48.93	Truck + Lane	-997.53	90%(Truck Pair + Lane)
119.00(L)	100.0	-1784.53	N/A	0.00	Tandem + Lane	-1189.03	90%(Truck Pair + Lane)

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Tandem + Lane	-1189.03	90%(Truck Pair + Lane)
2.21(B)	2.3	-1593.15	N/A	24.30	Truck + Lane	-1076.47	90%(Truck Pair + Lane)
4.42(L)	4.6	-1409.13	N/A	50.52	Truck + Lane	-969.80	90%(Truck Pair + Lane)
4.42(R)	4.6	-1409.13	N/A	50.52	Truck + Lane	-969.80	90%(Truck Pair + Lane)
9.52(B)	10.0	-1012.64	N/A	145.68	Tandem + Lane	-746.49	90%(Truck Pair + Lane)
10.80(B)	11.3	-920.11	N/A	172.57	Tandem + Lane	-697.41	90%(Truck Pair + Lane)
13.00(B)	13.6	-765.24	N/A	220.12	Tandem + Lane	-617.65	90%(Truck Pair + Lane)
17.17(L)	18.0	-491.76	N/A	327.20	Truck + Lane	-515.27	Truck + Lane
17.17(R)	18.0	-491.76	N/A	327.20	Truck + Lane	-515.27	Truck + Lane
19.05(B)	20.0	-376.78	N/A	388.62	Truck + Lane	-496.74	Truck + Lane
23.50(B)	24.7	-124.81	N/A	535.26	Truck + Lane	-465.53	Truck + Lane
23.55(B)	24.7	-122.41	N/A	536.70	Truck + Lane	-465.24	Truck + Lane
28.58(B)	30.0	127.87	N/A	687.97	Truck + Lane	-432.60	Truck + Lane

29.92(L)	31.4	188.64	N/A	725.04	Truck + Lane	-423.87	Truck + Lane
29.92(R)	31.4	188.64	N/A	725.04	Truck + Lane	-423.87	Truck + Lane
36.29(B)	38.1	440.88	N/A	876.03	Truck + Lane	-382.51	Truck + Lane
38.10(B)	40.0	501.71	N/A	911.37	Truck + Lane	-370.80	Truck + Lane
42.67(L)	44.8	634.82	N/A	983.63	Truck + Lane	-341.15	Truck + Lane
42.67(R)	44.8	634.82	N/A	983.63	Truck + Lane	-341.15	Truck + Lane
47.63(B)	50.0	744.89	N/A	1034.62	Truck + Lane	-309.00	Truck + Lane
49.04(B)	51.5	769.94	N/A	1043.54	Truck + Lane	-299.79	Truck + Lane
55.42(L)	58.2	846.76	N/A	1063.57	Truck + Lane	-258.43	Truck + Lane
55.42(R)	58.2	846.76	N/A	1063.57	Truck + Lane	-258.43	Truck + Lane
57.15(B)	60.0	857.41	N/A	1062.72	Truck + Lane	-247.20	Truck + Lane
61.79(B)	64.9	864.77	N/A	1040.68	Truck + Lane	-217.06	Truck + Lane
66.68(B)	70.0	839.15	N/A	985.42	Truck + Lane	-185.40	Truck + Lane
68.17(L)	71.6	824.47	N/A	962.30	Truck + Lane	-175.70	Truck + Lane
68.17(R)	71.6	824.47	N/A	962.30	Truck + Lane	-175.70	Truck + Lane
74.54(B)	78.3	725.36	N/A	838.65	Truck + Lane	-134.34	Truck + Lane
76.20(B)	80.0	690.09	N/A	796.55	Truck + Lane	-123.60	Truck + Lane
80.92(L)	85.0	567.94	N/A	653.40	Truck + Lane	-92.98	Truck + Lane
80.92(R)	85.0	567.94	N/A	653.40	Truck + Lane	-92.98	Truck + Lane
85.72(B)	90.0	410.38	N/A	471.53	Truck + Lane	-61.80	Truck + Lane
87.29(B)	91.6	351.71	N/A	404.02	Truck + Lane	-51.61	Truck + Lane
93.67(L)	98.3	77.18	N/A	88.55	Truck + Lane	-10.25	Truck + Lane
93.67(R)	98.3	77.18	N/A	88.55	Truck + Lane	-10.25	Truck + Lane
94.46(B)	99.2	39.04	N/A	44.79		-5.13	

95.25(L)	100.0	0.00	N/A	0.00	Truck + Lane Tandem + Lane	0.00	Truck + Lane Tandem + Lane

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: HL-93 (US)
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	57.36	Truck + Lane	-6.49	Truck + Lane
4.43(B)	4.6	43.59	N/A	53.00	Truck + Lane	-6.54	Truck + Lane
8.85(L)	9.3	37.24	N/A	48.75	Truck + Lane	-6.67	Truck + Lane
8.85(R)	9.3	37.16	N/A	48.75	Truck + Lane	-6.67	Truck + Lane
9.52(B)	10.0	36.19	N/A	48.12	Truck + Lane	-6.70	Truck + Lane
15.32(B)	16.1	27.87	N/A	42.77	Truck + Lane	-8.76	Tandem + Lane
19.05(B)	20.0	22.52	N/A	39.45	Truck + Lane	-10.76	Tandem + Lane
21.80(L)	22.9	18.58	N/A	37.07	Truck + Lane	-12.26	Tandem + Lane
21.80(R)	22.9	18.50	N/A	37.07	Truck + Lane	-12.26	Tandem + Lane
28.28(B)	29.7	9.21	N/A	31.68	Truck + Lane	-16.37	Truck + Lane
28.58(B)	30.0	8.78	N/A	31.44	Truck + Lane	-16.60	Truck + Lane
34.75(L)	36.5	-0.08	N/A	26.63	Truck + Lane	-21.43	Truck + Lane

34.75(R)	36.5	-0.16	N/A	26.63	Truck + Lane	-21.43	Truck + Lane
38.10(B)	40.0	-4.96	N/A	24.16	Truck + Lane	-24.08	Truck + Lane
41.22(B)	43.3	-9.45	N/A	21.93	Truck + Lane	-26.56	Truck + Lane
47.63(B)	50.0	-18.63	N/A	17.71	Truck + Lane	-31.76	Truck + Lane
47.70(L)	50.1	-18.74	N/A	17.66	Truck + Lane	-31.82	Truck + Lane
47.70(R)	50.1	-18.82	N/A	17.66	Truck + Lane	-31.82	Truck + Lane
54.17(B)	56.9	-28.11	N/A	13.85	Truck + Lane	-37.33	Truck + Lane
57.15(B)	60.0	-32.37	N/A	12.16	Truck + Lane	-39.71	Truck + Lane
60.65(L)	63.7	-37.40	N/A	10.28	Truck + Lane	-42.51	Truck + Lane
60.65(R)	63.7	-37.48	N/A	10.28	Truck + Lane	-42.51	Truck + Lane
66.68(B)	70.0	-46.12	N/A	7.43	Truck + Lane	-47.84	Truck + Lane
67.13(B)	70.5	-46.76	N/A	7.23	Truck + Lane	-48.19	Truck + Lane
71.75(B)	75.3	-53.40	N/A	5.61	Tandem + Lane	-52.44	Truck + Lane
73.60(L)	77.3	-56.05	N/A	4.99	Tandem + Lane	-53.89	Truck + Lane
73.60(R)	77.3	-56.13	N/A	4.99	Tandem + Lane	-53.89	Truck + Lane
76.20(B)	80.0	-59.86	N/A	4.16	Tandem + Lane	-55.89	Truck + Lane
80.07(B)	84.1	-65.42	N/A	3.04	Tandem + Lane	-58.83	Truck + Lane
82.25(B)	86.4	-68.54	N/A	2.47	Tandem + Lane	-60.87	Truck + Lane
85.72(B)	90.0	-73.79	N/A	1.61	Tandem + Lane	-63.44	Truck + Lane
86.55(L)	90.9	-75.03	N/A	1.41	Tandem + Lane	-64.03	Truck + Lane
86.55(R)	90.9	-75.11	N/A	1.41	Tandem + Lane	-64.03	Truck + Lane
90.90(B)	95.4	-81.67	N/A	0.56	Truck + Lane	-67.85	Truck + Lane
95.25(L)	100.0	-88.23	N/A	0.00	Tandem + Lane	-70.88	Truck + Lane

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	69.56	Truck + Lane	0.00	Tandem + Lane
2.21(B)	1.9	83.24	N/A	64.24	Truck + Lane	-0.35	Truck + Lane
4.42(L)	3.7	79.90	N/A	62.55	Truck + Lane	-0.72	Truck + Lane
4.42(R)	3.7	79.82	N/A	62.55	Truck + Lane	-0.72	Truck + Lane
10.35(B)	8.7	70.88	N/A	57.98	Truck + Lane	-2.30	Tandem + Lane
11.90(B)	10.0	68.54	N/A	56.75	Truck + Lane	-2.79	Tandem + Lane
13.00(B)	10.9	66.88	N/A	55.88	Truck + Lane	-3.14	Tandem + Lane
16.27(L)	13.7	62.19	N/A	53.27	Truck + Lane	-4.25	Tandem + Lane
16.27(R)	13.7	62.11	N/A	53.27	Truck + Lane	-4.25	Tandem + Lane
22.19(B)	18.7	53.61	N/A	48.51	Truck + Lane	-6.49	Tandem + Lane
23.50(B)	19.7	51.74	N/A	47.45	Truck + Lane	-7.03	Tandem + Lane
23.80(B)	20.0	51.31	N/A	47.21	Truck + Lane	-7.15	Tandem + Lane
28.12(L)	23.6	45.11	N/A	43.71	Truck + Lane	-9.09	Truck + Lane
28.12(R)	23.6	45.03	N/A	43.71	Truck + Lane	-9.09	Truck + Lane
34.04(B)	28.6	36.53	N/A	38.97	Truck + Lane	-12.57	Truck + Lane
35.70(B)	30.0	34.15	N/A	37.65	Truck + Lane	-13.59	Truck + Lane
39.97(L)	33.6	28.03	N/A	34.32	Truck + Lane	-16.34	Truck + Lane
39.97(R)	33.6	27.95	N/A	34.32	Truck + Lane	-16.34	Truck + Lane
45.90(B)	38.6	19.45	N/A	29.81	Truck + Lane	-20.39	Truck + Lane
47.60(B)	40.0	17.00	N/A	28.56	Truck + Lane	-21.60	Truck + Lane
51.82(L)	43.5	10.95	N/A	25.53	Truck + Lane	-24.67	Truck + Lane

51.82(R)	43.5	10.87	N/A	25.53	Truck + Lane	-24.67	Truck + Lane
57.74(B)	48.5	2.37	N/A	21.48	Truck + Lane	-29.12	Truck + Lane
59.50(B)	50.0	-0.15	N/A	20.41	Truck + Lane	-30.57	Truck + Lane
63.67(L)	53.5	-6.13	N/A	17.83	Truck + Lane	-33.81	Truck + Lane
63.67(R)	53.5	-6.21	N/A	17.83	Truck + Lane	-33.81	Truck + Lane
69.60(B)	58.5	-14.71	N/A	14.56	Truck + Lane	-38.84	Truck + Lane
71.40(B)	60.0	-17.30	N/A	13.60	Truck + Lane	-40.28	Truck + Lane
75.52(L)	63.5	-23.21	N/A	11.56	Truck + Lane	-43.55	Truck + Lane
75.52(R)	63.5	-23.29	N/A	11.56	Truck + Lane	-43.55	Truck + Lane
81.44(B)	68.4	-31.79	N/A	10.08	Truck + Lane	-48.83	Truck + Lane
83.30(B)	70.0	-34.45	N/A	9.97	Truck + Lane	-50.30	Truck + Lane
87.37(L)	73.4	-40.29	N/A	9.78	Truck + Lane	-53.43	Truck + Lane
87.37(R)	73.4	-40.37	N/A	9.78	Truck + Lane	-53.43	Truck + Lane
93.29(B)	78.4	-48.87	N/A	9.70	Truck + Lane	-58.59	Truck + Lane
95.20(B)	80.0	-51.61	N/A	9.65	Truck + Lane	-59.99	Truck + Lane
95.50(B)	80.3	-52.04	N/A	9.64	Truck + Lane	-60.20	Truck + Lane
99.22(L)	83.4	-57.37	N/A	9.57	Truck + Lane	-62.81	Truck + Lane
99.22(R)	83.4	-57.45	N/A	9.57	Truck + Lane	-62.81	Truck + Lane
104.00(B)	87.4	-64.31	N/A	9.57	Truck + Lane	-66.46	Truck + Lane
105.14(B)	88.4	-66.04	N/A	9.56	Truck + Lane	-67.19	Truck + Lane
107.10(B)	90.0	-68.99	N/A	9.55	Truck + Lane	-68.42	Truck + Lane
111.07(L)	93.3	-74.98	N/A	9.53	Truck + Lane	-70.76	Truck + Lane
111.07(R)	93.3	-75.06	N/A	9.53	Truck + Lane	-70.76	Truck + Lane
115.03(B)	96.7	-81.04	N/A	9.63		-73.74	

					Truck + Lane		Truck + Lane
119.00(L)	100.0	-87.02	N/A	9.63	Truck + Lane	-75.73	Truck + Lane
Span 3							
Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	75.73	Truck + Lane	-9.63	Truck + Lane
2.21(B)	1.9	83.71	N/A	70.45	Truck + Lane	-9.09	Truck + Lane
4.42(L)	3.7	80.37	N/A	69.34	Truck + Lane	-9.09	Truck + Lane
4.42(R)	3.7	80.29	N/A	69.34	Truck + Lane	-9.09	Truck + Lane
10.35(B)	8.7	71.36	N/A	66.19	Truck + Lane	-9.10	Truck + Lane
11.90(B)	10.0	69.01	N/A	65.29	Truck + Lane	-9.11	Truck + Lane
15.00(B)	12.6	64.33	N/A	63.44	Truck + Lane	-9.13	Truck + Lane
16.27(L)	13.7	62.51	N/A	62.64	Truck + Lane	-9.15	Truck + Lane
16.27(R)	13.7	62.43	N/A	62.64	Truck + Lane	-9.15	Truck + Lane
22.19(B)	18.7	53.93	N/A	58.78	Truck + Lane	-9.24	Truck + Lane
23.50(B)	19.7	52.06	N/A	57.89	Truck + Lane	-9.27	Truck + Lane
23.80(B)	20.0	51.63	N/A	57.68	Truck + Lane	-9.27	Truck + Lane
28.12(L)	23.6	45.43	N/A	54.61	Truck + Lane	-9.40	Truck + Lane
28.12(R)	23.6	45.35	N/A	54.61	Truck + Lane	-9.40	Truck + Lane
34.04(B)	28.6	36.85	N/A	50.25	Truck + Lane	-9.63	Truck + Lane
35.70(B)	30.0	34.48	N/A	48.99	Truck + Lane	-9.71	Truck + Lane
39.97(L)	33.6	28.35	N/A	45.71	Truck + Lane	-9.96	Truck + Lane
39.97(R)	33.6	28.27	N/A	45.71	Truck + Lane	-9.96	Truck + Lane
45.90(B)	38.6	19.77	N/A	41.09	Truck + Lane	-12.58	Truck + Lane

47.60(B)	40.0	17.32	N/A	39.75	Truck + Lane	-13.43	Truck + Lane
51.82(L)	43.5	11.27	N/A	36.44	Truck + Lane	-15.71	Truck + Lane
51.82(R)	43.5	11.19	N/A	36.44	Truck + Lane	-15.71	Truck + Lane
57.74(B)	48.5	2.69	N/A	31.82	Truck + Lane	-19.25	Truck + Lane
59.50(B)	50.0	0.17	N/A	30.57	Truck + Lane	-20.42	Truck + Lane
63.67(L)	53.5	-5.81	N/A	27.38	Truck + Lane	-23.17	Truck + Lane
63.67(R)	53.5	-5.89	N/A	27.38	Truck + Lane	-23.17	Truck + Lane
69.60(B)	58.5	-14.39	N/A	23.20	Truck + Lane	-27.61	Truck + Lane
71.40(B)	60.0	-16.98	N/A	21.89	Truck + Lane	-28.94	Truck + Lane
75.52(L)	63.5	-22.89	N/A	18.96	Truck + Lane	-32.05	Truck + Lane
75.52(R)	63.5	-22.97	N/A	18.96	Truck + Lane	-32.05	Truck + Lane
81.44(B)	68.4	-31.47	N/A	15.15	Truck + Lane	-37.16	Truck + Lane
83.30(B)	70.0	-34.13	N/A	13.94	Truck + Lane	-38.66	Truck + Lane
87.37(L)	73.4	-39.97	N/A	11.41	Truck + Lane	-41.98	Truck + Lane
87.37(R)	73.4	-40.05	N/A	11.41	Truck + Lane	-41.98	Truck + Lane
93.29(B)	78.4	-48.55	N/A	8.26	Tandem + Lane	-47.49	Truck + Lane
95.20(B)	80.0	-51.28	N/A	7.42	Tandem + Lane	-49.09	Truck + Lane
95.50(B)	80.3	-51.71	N/A	7.30	Tandem + Lane	-49.35	Truck + Lane
99.22(L)	83.4	-57.05	N/A	5.77	Tandem + Lane	-52.47	Truck + Lane
99.22(R)	83.4	-57.13	N/A	5.77	Tandem + Lane	-52.47	Truck + Lane
105.14(B)	88.4	-65.63	N/A	3.58	Tandem + Lane	-57.84	Truck + Lane
106.00(B)	89.1	-66.86	N/A	3.29	Tandem + Lane	-58.55	Truck + Lane
107.10(B)	90.0	-68.52	N/A	2.91	Tandem + Lane	-59.46	Truck + Lane
111.07(L)	93.3	-74.51	N/A	1.65		-62.72	

					Tandem + Lane		Truck + Lane
111.07(R)	93.3	-74.59	N/A	1.65	Tandem + Lane	-62.72	Truck + Lane
115.03(B)	96.7	-80.57	N/A	0.68	Truck + Lane	-66.66	Truck + Lane
119.00(L)	100.0	-86.55	N/A	0.00	Tandem + Lane	-69.82	Truck + Lane

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	71.13	Truck + Lane	0.00	Tandem + Lane
2.21(B)	2.3	84.93	N/A	65.68	Truck + Lane	-0.26	Truck + Lane
4.42(L)	4.6	81.60	N/A	64.21	Truck + Lane	-0.54	Truck + Lane
4.42(R)	4.6	81.52	N/A	64.21	Truck + Lane	-0.54	Truck + Lane
9.52(B)	10.0	73.82	N/A	60.73	Truck + Lane	-1.54	Tandem + Lane
10.80(B)	11.3	71.90	N/A	59.83	Truck + Lane	-1.83	Tandem + Lane
13.00(B)	13.6	68.57	N/A	58.27	Truck + Lane	-2.36	Tandem + Lane
17.17(L)	18.0	62.59	N/A	55.26	Truck + Lane	-3.47	Tandem + Lane
17.17(R)	18.0	62.51	N/A	55.26	Truck + Lane	-3.47	Tandem + Lane
19.05(B)	20.0	59.81	N/A	53.87	Truck + Lane	-4.02	Tandem + Lane
23.50(B)	24.7	53.43	N/A	50.56	Truck + Lane	-5.41	Tandem + Lane
23.55(B)	24.7	53.37	N/A	50.52	Truck + Lane	-5.42	Tandem + Lane
28.58(B)	30.0	46.15	N/A	46.68	Truck + Lane	-7.26	Truck + Lane
29.92(L)	31.4	44.22	N/A	45.64	Truck + Lane	-7.87	Truck + Lane
29.92(R)	31.4	44.14	N/A	45.64	Truck + Lane	-7.87	Truck + Lane
36.29(B)	38.1	34.99	N/A	40.65	Truck + Lane	-11.04	Truck + Lane
38.10(B)	40.0	32.40	N/A	39.22	Truck + Lane	-12.01	Truck + Lane

42.67(L)	44.8	25.85	N/A	35.61	Truck + Lane	-14.60	Truck + Lane
42.67(R)	44.8	25.77	N/A	35.61	Truck + Lane	-14.60	Truck + Lane
47.63(B)	50.0	18.66	N/A	31.76	Truck + Lane	-17.72	Truck + Lane
49.04(B)	51.5	16.62	N/A	30.62	Truck + Lane	-18.63	Truck + Lane
55.42(L)	58.2	7.48	N/A	25.77	Truck + Lane	-23.19	Truck + Lane
55.42(R)	58.2	7.40	N/A	25.77	Truck + Lane	-23.19	Truck + Lane
57.15(B)	60.0	4.92	N/A	24.38	Truck + Lane	-24.45	Truck + Lane
61.79(B)	64.9	-1.75	N/A	20.67	Truck + Lane	-27.95	Truck + Lane
66.68(B)	70.0	-8.75	N/A	17.02	Truck + Lane	-32.23	Truck + Lane
68.17(L)	71.6	-10.89	N/A	15.90	Truck + Lane	-33.46	Truck + Lane
68.17(R)	71.6	-10.97	N/A	15.90	Truck + Lane	-33.46	Truck + Lane
74.54(B)	78.3	-20.12	N/A	12.09	Tandem + Lane	-39.43	Truck + Lane
76.20(B)	80.0	-22.49	N/A	11.16	Tandem + Lane	-40.92	Truck + Lane
80.92(L)	85.0	-29.27	N/A	8.54	Tandem + Lane	-45.30	Truck + Lane
80.92(R)	85.0	-29.35	N/A	8.54	Tandem + Lane	-45.30	Truck + Lane
85.72(B)	90.0	-36.24	N/A	7.03	Truck + Lane	-50.52	Truck + Lane
87.29(B)	91.6	-38.49	N/A	6.96	Truck + Lane	-52.07	Truck + Lane
93.67(L)	98.3	-47.64	N/A	6.90	Truck + Lane	-59.26	Truck + Lane
93.67(R)	98.3	-47.72	N/A	6.90	Truck + Lane	-59.26	Truck + Lane
94.46(B)	99.2	-48.85	N/A	6.89	Truck + Lane	-60.09	Truck + Lane
95.25(L)	100.0	-49.98	N/A	6.89	Truck + Lane	-60.93	Truck + Lane

Note:

"N/A" indicates not applicable

***" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: LRFD Fatigue Truck (US)
Impact = 15.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	25.61	Axle Load	-2.71	Axle Load
2	174.81	N/A	34.13	Axle Load	0.00	Axle Load
3	174.06	N/A	34.37	Axle Load	-4.08	Axle Load
4	174.81	N/A	34.27	Axle Load	0.00	Axle Load
5	49.98	N/A	27.20	Axle Load	-2.88	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: LRFD Fatigue Truck (US)
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	104.90	Axle Load	-11.97	Axle Load
8.85(L)	9.3	385.73	N/A	193.24	Axle Load	-23.95	Axle Load
8.85(R)	9.3	385.73	N/A	193.24	Axle Load	-23.95	Axle Load
9.52(B)	10.0	410.49	N/A	205.29	Axle Load	-25.78	Axle Load
15.32(B)	16.1	596.25	N/A	293.74	Axle Load	-41.47	Axle Load
19.05(B)	20.0	690.11	N/A	336.65	Axle Load	-51.55	Axle Load
21.80(L)	22.9	746.63	N/A	365.32	Axle Load	-58.99	Axle Load
21.80(R)	22.9	746.63	N/A	365.32	Axle Load	-58.99	Axle Load
28.28(B)	29.7	836.34	N/A	416.34	Axle Load	-76.51	Axle Load
28.58(B)	30.0	839.04	N/A	417.98	Axle Load	-77.33	Axle Load
34.75(L)	36.5	865.90	N/A	438.18	Axle Load	-94.04	Axle Load
34.75(R)	36.5	865.90	N/A	438.18	Axle Load	-94.04	Axle Load
38.10(B)	40.0	857.32	N/A	438.68	Axle Load	-103.10	Axle Load
41.22(B)	43.3	834.80	N/A	433.16	Axle Load	-111.56	Axle Load
47.63(B)	50.0	744.95	N/A	420.14	Axle Load	-128.88	Axle Load
47.70(L)	50.1	743.55	N/A	420.08	Axle Load	-129.08	Axle Load

47.70(R)	50.1	743.55	N/A	420.08	Axle Load	-129.08	Axle Load
54.17(B)	56.9	591.63	N/A	400.55	Axle Load	-146.60	Axle Load
57.15(B)	60.0	501.67	N/A	382.63	Axle Load	-154.65	Axle Load
60.65(L)	63.7	379.57	N/A	355.26	Axle Load	-164.12	Axle Load
60.65(R)	63.7	379.57	N/A	355.26	Axle Load	-164.12	Axle Load
66.68(B)	70.0	127.75	N/A	293.00	Axle Load	-180.43	Axle Load
67.13(B)	70.5	106.85	N/A	287.67	Axle Load	-181.64	Axle Load
71.75(B)	75.3	-124.78	N/A	228.15	Axle Load	-194.16	Axle Load
73.60(L)	77.3	-226.03	N/A	202.41	Axle Load	-199.16	Axle Load
73.60(R)	77.3	-226.03	N/A	202.41	Axle Load	-199.16	Axle Load
76.20(B)	80.0	-376.82	N/A	163.64	Axle Load	-206.20	Axle Load
80.07(B)	84.1	-619.56	N/A	102.68	Axle Load	-216.69	Axle Load
82.25(B)	86.4	-765.25	N/A	66.68	Axle Load	-222.57	Axle Load
85.72(B)	90.0	-1012.55	N/A	6.83	Axle Load	-231.98	Axle Load
86.55(L)	90.9	-1073.93	N/A	0.00	Axle Load	-234.21	Axle Load
86.55(R)	90.9	-1073.93	N/A	0.00	Axle Load	-234.21	Axle Load
90.90(B)	95.4	-1414.93	N/A	0.00	Axle Load	-245.98	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-298.32	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-298.32	Axle Load
2.21(B)	1.9	-1596.84	N/A	0.00	Axle Load	-289.81	Axle Load
4.42(L)	3.7	-1416.57	N/A	0.00	Axle Load	-281.31	Axle Load
4.42(R)	3.7	-1416.57	N/A	0.00	Axle Load	-281.31	Axle Load
10.35(B)	8.7	-970.10	N/A	35.55	Axle Load	-258.51	Axle Load
11.90(B)	10.0	-861.70	N/A	61.17	Axle Load	-252.52	Axle Load
13.00(B)	10.9	-787.22	N/A	78.56	Axle Load	-248.29	Axle Load
16.27(L)	13.7	-576.19	N/A	127.29	Axle Load	-235.70	Axle Load
16.27(R)	13.7	-576.19	N/A	127.29	Axle Load	-235.70	Axle Load
22.19(B)	18.7	-233.38	N/A	206.88	Axle Load	-212.90	Axle Load
23.50(B)	19.7	-164.64	N/A	222.62	Axle Load	-207.88	Axle Load
23.80(B)	20.0	-149.19	N/A	226.10	Axle Load	-206.73	Axle Load
28.12(L)	23.6	59.07	N/A	271.31	Axle Load	-190.10	Axle Load
28.12(R)	23.6	59.07	N/A	271.31	Axle Load	-190.10	Axle Load
34.04(B)	28.6	300.68	N/A	319.77	Axle Load	-167.30	Axle Load
35.70(B)	30.0	359.17	N/A	330.38	Axle Load	-160.93	Axle Load
39.97(L)	33.6	491.92	N/A	350.76	Axle Load	-144.50	Axle Load
39.97(R)	33.6	491.92	N/A	350.76	Axle Load	-144.50	Axle Load
45.90(B)	38.6	632.33	N/A	364.66	Axle Load	-121.69	Axle Load
47.60(B)	40.0	663.41	N/A	365.72	Axle Load	-115.13	Axle Load

51.82(L)	43.5	722.38	N/A	362.08	Axle Load	-98.89	Axle Load
51.82(R)	43.5	722.38	N/A	362.08	Axle Load	-98.89	Axle Load
57.74(B)	48.5	761.59	N/A	358.91	Axle Load	-76.09	Axle Load
59.50(B)	50.0	763.54	N/A	354.93	Axle Load	-69.34	Axle Load
63.67(L)	53.5	750.44	N/A	338.67	Axle Load	-53.29	Axle Load
63.67(R)	53.5	750.44	N/A	338.67	Axle Load	-53.29	Axle Load
69.60(B)	58.5	688.45	N/A	301.44	Axle Load	-30.49	Axle Load
71.40(B)	60.0	659.56	N/A	287.35	Axle Load	-23.54	Axle Load
75.52(L)	63.5	576.10	N/A	249.37	Axle Load	-7.69	Axle Load
75.52(R)	63.5	576.10	N/A	249.37	Axle Load	-7.69	Axle Load
81.44(B)	68.4	412.91	N/A	183.95	Axle Load	-5.90	Axle Load
83.30(B)	70.0	351.47	N/A	161.79	Axle Load	-16.34	Axle Load
87.37(L)	73.4	199.36	N/A	126.62	Axle Load	-52.22	Axle Load
87.37(R)	73.4	199.36	N/A	126.62	Axle Load	-52.22	Axle Load
93.29(B)	78.4	-65.03	N/A	83.97	Axle Load	-128.65	Axle Load
95.20(B)	80.0	-160.73	N/A	73.71	Axle Load	-157.34	Axle Load
95.50(B)	80.3	-176.28	N/A	72.12	Axle Load	-162.05	Axle Load
99.22(L)	83.4	-379.78	N/A	83.52	Axle Load	-225.95	Axle Load
99.22(R)	83.4	-379.78	N/A	83.52	Axle Load	-225.95	Axle Load
104.00(B)	87.4	-670.79	N/A	101.92	Axle Load	-316.52	Axle Load
105.14(B)	88.4	-745.42	N/A	106.32	Axle Load	-338.99	Axle Load
107.10(B)	90.0	-877.40	N/A	113.85	Axle Load	-379.87	Axle Load
111.07(L)	93.3	-1163.17	N/A	129.13	Axle Load	-465.14	Axle Load
111.07(R)	93.3	-1163.17	N/A	129.13	Axle Load	-465.14	Axle Load
115.03(B)	96.7	-1472.63	N/A	144.39	Axle Load	-554.80	Axle Load
119.00(L)	100.0	-1805.80	N/A	159.64	Axle Load	-647.60	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	159.81	Axle Load	-647.78	Axle Load
2.21(B)	1.9	-1617.10	N/A	151.29	Axle Load	-595.21	Axle Load
4.42(L)	3.7	-1435.79	N/A	142.78	Axle Load	-544.71	Axle Load
4.42(R)	3.7	-1435.79	N/A	142.78	Axle Load	-544.71	Axle Load
10.35(B)	8.7	-986.53	N/A	119.95	Axle Load	-412.44	Axle Load
11.90(B)	10.0	-877.39	N/A	113.96	Axle Load	-380.05	Axle Load
15.00(B)	12.6	-670.71	N/A	102.02	Axle Load	-316.75	Axle Load
16.27(L)	13.7	-590.16	N/A	97.13	Axle Load	-291.57	Axle Load
16.27(R)	13.7	-590.16	N/A	97.13	Axle Load	-291.57	Axle Load
22.19(B)	18.7	-245.44	N/A	74.30	Axle Load	-184.15	Axle Load
23.50(B)	19.7	-176.28	N/A	72.12	Axle Load	-162.75	Axle Load
23.80(B)	20.0	-160.73	N/A	73.71	Axle Load	-157.96	Axle Load

28.12(L)	23.6	48.92	N/A	100.05	Axle Load	-94.12	Axle Load
28.12(R)	23.6	48.92	N/A	100.05	Axle Load	-94.12	Axle Load
34.04(B)	28.6	292.44	N/A	145.39	Axle Load	-28.78	Axle Load
35.70(B)	30.0	351.47	N/A	161.84	Axle Load	-16.24	Axle Load
39.97(L)	33.6	485.60	N/A	211.98	Axle Load	0.00	Axle Load
39.97(R)	33.6	485.60	N/A	211.98	Axle Load	0.00	Axle Load
45.90(B)	38.6	627.93	N/A	272.37	Axle Load	-17.00	Axle Load
47.60(B)	40.0	659.55	N/A	287.38	Axle Load	-23.56	Axle Load
51.82(L)	43.5	719.89	N/A	318.52	Axle Load	-39.82	Axle Load
51.82(R)	43.5	719.89	N/A	318.52	Axle Load	-39.82	Axle Load
57.74(B)	48.5	761.01	N/A	349.04	Axle Load	-62.65	Axle Load
59.50(B)	50.0	763.53	N/A	354.97	Axle Load	-69.41	Axle Load
63.67(L)	53.5	751.77	N/A	362.26	Axle Load	-85.47	Axle Load
63.67(R)	53.5	751.77	N/A	362.26	Axle Load	-85.47	Axle Load
69.60(B)	58.5	691.70	N/A	364.74	Axle Load	-108.30	Axle Load
71.40(B)	60.0	663.39	N/A	365.66	Axle Load	-115.25	Axle Load
75.52(L)	63.5	581.26	N/A	361.11	Axle Load	-131.12	Axle Load
75.52(R)	63.5	581.26	N/A	361.11	Axle Load	-131.12	Axle Load
81.44(B)	68.4	419.98	N/A	340.15	Axle Load	-153.95	Axle Load
83.30(B)	70.0	359.14	N/A	330.34	Axle Load	-161.09	Axle Load
87.37(L)	73.4	208.34	N/A	302.12	Axle Load	-176.77	Axle Load
87.37(R)	73.4	208.34	N/A	302.12	Axle Load	-176.77	Axle Load
93.29(B)	78.4	-54.13	N/A	246.90	Axle Load	-199.60	Axle Load
95.20(B)	80.0	-149.22	N/A	226.08	Axle Load	-206.93	Axle Load
95.50(B)	80.3	-164.67	N/A	222.64	Axle Load	-208.09	Axle Load
99.22(L)	83.4	-366.97	N/A	176.12	Axle Load	-222.42	Axle Load
99.22(R)	83.4	-366.97	N/A	176.12	Axle Load	-222.42	Axle Load
105.14(B)	88.4	-730.64	N/A	91.28	Axle Load	-245.24	Axle Load
106.00(B)	89.1	-787.28	N/A	78.16	Axle Load	-248.54	Axle Load
107.10(B)	90.0	-861.74	N/A	61.04	Axle Load	-252.78	Axle Load
111.07(L)	93.3	-1145.63	N/A	0.00	Axle Load	-268.07	Axle Load
111.07(R)	93.3	-1145.63	N/A	0.00	Axle Load	-268.07	Axle Load
115.03(B)	96.7	-1453.22	N/A	0.00	Axle Load	-283.34	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-298.62	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-298.62	Axle Load
2.21(B)	2.3	-1593.15	N/A	0.00	Axle Load	-251.77	Axle Load
4.42(L)	4.6	-1409.13	N/A	0.00	Axle Load	-246.33	Axle Load
4.42(R)	4.6	-1409.13	N/A	0.00	Axle Load	-246.33	Axle Load

9.52(B)	10.0	-1012.64	N/A	7.02	Axle Load	-232.49	Axle Load
10.80(B)	11.3	-920.11	N/A	29.08	Axle Load	-229.04	Axle Load
13.00(B)	13.6	-765.24	N/A	66.27	Axle Load	-223.06	Axle Load
17.17(L)	18.0	-491.76	N/A	134.16	Axle Load	-211.75	Axle Load
17.17(R)	18.0	-491.76	N/A	134.16	Axle Load	-211.75	Axle Load
19.05(B)	20.0	-376.78	N/A	163.28	Axle Load	-206.65	Axle Load
23.50(B)	24.7	-124.81	N/A	228.40	Axle Load	-194.59	Axle Load
23.55(B)	24.7	-122.41	N/A	229.01	Axle Load	-194.46	Axle Load
28.58(B)	30.0	127.87	N/A	293.13	Axle Load	-180.82	Axle Load
29.92(L)	31.4	188.64	N/A	308.50	Axle Load	-177.17	Axle Load
29.92(R)	31.4	188.64	N/A	308.50	Axle Load	-177.17	Axle Load
36.29(B)	38.1	440.88	N/A	369.25	Axle Load	-159.89	Axle Load
38.10(B)	40.0	501.71	N/A	382.50	Axle Load	-154.99	Axle Load
42.67(L)	44.8	634.82	N/A	407.82	Axle Load	-142.60	Axle Load
42.67(R)	44.8	634.82	N/A	407.82	Axle Load	-142.60	Axle Load
47.63(B)	50.0	744.89	N/A	420.21	Axle Load	-129.16	Axle Load
49.04(B)	51.5	769.94	N/A	420.67	Axle Load	-125.31	Axle Load
55.42(L)	58.2	846.76	N/A	436.44	Axle Load	-108.02	Axle Load
55.42(R)	58.2	846.76	N/A	436.44	Axle Load	-108.02	Axle Load
57.15(B)	60.0	857.41	N/A	438.74	Axle Load	-103.33	Axle Load
61.79(B)	64.9	864.77	N/A	436.07	Axle Load	-90.73	Axle Load
66.68(B)	70.0	839.15	N/A	417.91	Axle Load	-77.50	Axle Load
68.17(L)	71.6	824.47	N/A	409.14	Axle Load	-73.44	Axle Load
68.17(R)	71.6	824.47	N/A	409.14	Axle Load	-73.44	Axle Load
74.54(B)	78.3	725.36	N/A	353.50	Axle Load	-56.15	Axle Load
76.20(B)	80.0	690.09	N/A	336.62	Axle Load	-51.66	Axle Load
80.92(L)	85.0	567.94	N/A	280.45	Axle Load	-38.86	Axle Load
80.92(R)	85.0	567.94	N/A	280.45	Axle Load	-38.86	Axle Load
85.72(B)	90.0	410.38	N/A	205.27	Axle Load	-25.83	Axle Load
87.29(B)	91.6	351.71	N/A	176.67	Axle Load	-21.57	Axle Load
93.67(L)	98.3	77.18	N/A	39.38	Axle Load	-4.28	Axle Load
93.67(R)	98.3	77.18	N/A	39.38	Axle Load	-4.28	Axle Load
94.46(B)	99.2	39.04	N/A	19.96	Axle Load	-2.14	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left
(R) Right

Shear Summary
Live Load: LRFD Fatigue Truck (US)
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	25.61	Axle Load	-2.71	Axle Load
4.43(B)	4.6	43.59	N/A	23.71	Axle Load	-2.71	Axle Load
8.85(L)	9.3	37.24	N/A	21.83	Axle Load	-2.71	Axle Load
8.85(R)	9.3	37.16	N/A	21.83	Axle Load	-2.71	Axle Load
9.52(B)	10.0	36.19	N/A	21.55	Axle Load	-2.71	Axle Load
15.32(B)	16.1	27.87	N/A	19.17	Axle Load	-3.07	Axle Load
19.05(B)	20.0	22.52	N/A	17.67	Axle Load	-3.80	Axle Load
21.80(L)	22.9	18.58	N/A	16.59	Axle Load	-4.34	Axle Load
21.80(R)	22.9	18.50	N/A	16.59	Axle Load	-4.34	Axle Load
28.28(B)	29.7	9.21	N/A	14.12	Axle Load	-5.58	Axle Load
28.58(B)	30.0	8.78	N/A	14.01	Axle Load	-5.64	Axle Load
34.75(L)	36.5	-0.08	N/A	11.79	Axle Load	-7.75	Axle Load
34.75(R)	36.5	-0.16	N/A	11.79	Axle Load	-7.75	Axle Load
38.10(B)	40.0	-4.96	N/A	10.64	Axle Load	-9.03	Axle Load
41.22(B)	43.3	-9.45	N/A	9.60	Axle Load	-10.21	Axle Load
47.63(B)	50.0	-18.63	N/A	7.62	Axle Load	-12.80	Axle Load
47.70(L)	50.1	-18.74	N/A	7.60	Axle Load	-12.83	Axle Load
47.70(R)	50.1	-18.82	N/A	7.60	Axle Load	-12.83	Axle Load
54.17(B)	56.9	-28.11	N/A	5.80	Axle Load	-15.62	Axle Load
57.15(B)	60.0	-32.37	N/A	5.00	Axle Load	-16.81	Axle Load
60.65(L)	63.7	-37.40	N/A	4.10	Axle Load	-18.19	Axle Load
60.65(R)	63.7	-37.48	N/A	4.10	Axle Load	-18.19	Axle Load
66.68(B)	70.0	-46.12	N/A	2.72	Axle Load	-20.72	Axle Load
67.13(B)	70.5	-46.76	N/A	2.62	Axle Load	-20.89	Axle Load
71.75(B)	75.3	-53.40	N/A	1.68	Axle Load	-22.85	Axle Load
73.60(L)	77.3	-56.05	N/A	1.31	Axle Load	-23.51	Axle Load
73.60(R)	77.3	-56.13	N/A	1.31	Axle Load	-23.51	Axle Load
76.20(B)	80.0	-59.86	N/A	0.82	Axle Load	-24.41	Axle Load
80.07(B)	84.1	-65.42	N/A	0.16	Axle Load	-25.71	Axle Load
82.25(B)	86.4	-68.54	N/A	0.00	Axle Load	-26.60	Axle Load
85.72(B)	90.0	-73.79	N/A	0.00	Axle Load	-27.69	Axle Load
86.55(L)	90.9	-75.03	N/A	0.00	Axle Load	-27.94	Axle Load
86.55(R)	90.9	-75.11	N/A	0.00	Axle Load	-27.94	Axle Load
90.90(B)	95.4	-81.67	N/A	0.00	Axle Load	-29.53	Axle Load

95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-30.73	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	29.55	Axle Load	0.00	Axle Load
2.21(B)	1.9	83.24	N/A	27.30	Axle Load	0.00	Axle Load
4.42(L)	3.7	79.90	N/A	26.60	Axle Load	0.00	Axle Load
4.42(R)	3.7	79.82	N/A	26.60	Axle Load	0.00	Axle Load
10.35(B)	8.7	70.88	N/A	24.64	Axle Load	0.00	Axle Load
11.90(B)	10.0	68.54	N/A	24.10	Axle Load	0.00	Axle Load
13.00(B)	10.9	66.88	N/A	23.73	Axle Load	0.00	Axle Load
16.27(L)	13.7	62.19	N/A	22.58	Axle Load	-0.35	Axle Load
16.27(R)	13.7	62.11	N/A	22.58	Axle Load	-0.35	Axle Load
22.19(B)	18.7	53.61	N/A	20.46	Axle Load	-1.70	Axle Load
23.50(B)	19.7	51.74	N/A	19.99	Axle Load	-2.02	Axle Load
23.80(B)	20.0	51.31	N/A	19.88	Axle Load	-2.10	Axle Load
28.12(L)	23.6	45.11	N/A	18.30	Axle Load	-3.23	Axle Load
28.12(R)	23.6	45.03	N/A	18.30	Axle Load	-3.23	Axle Load
34.04(B)	28.6	36.53	N/A	16.13	Axle Load	-4.91	Axle Load
35.70(B)	30.0	34.15	N/A	15.54	Axle Load	-5.41	Axle Load
39.97(L)	33.6	28.03	N/A	13.99	Axle Load	-6.73	Axle Load
39.97(R)	33.6	27.95	N/A	13.99	Axle Load	-6.73	Axle Load
45.90(B)	38.6	19.45	N/A	11.93	Axle Load	-8.67	Axle Load
47.60(B)	40.0	17.00	N/A	11.35	Axle Load	-9.26	Axle Load
51.82(L)	43.5	10.95	N/A	9.95	Axle Load	-10.72	Axle Load
51.82(R)	43.5	10.87	N/A	9.95	Axle Load	-10.72	Axle Load
57.74(B)	48.5	2.37	N/A	8.11	Axle Load	-12.84	Axle Load
59.50(B)	50.0	-0.15	N/A	7.63	Axle Load	-13.52	Axle Load
63.67(L)	53.5	-6.13	N/A	6.46	Axle Load	-15.05	Axle Load
63.67(R)	53.5	-6.21	N/A	6.46	Axle Load	-15.05	Axle Load
69.60(B)	58.5	-14.71	N/A	5.03	Axle Load	-17.39	Axle Load
71.40(B)	60.0	-17.30	N/A	4.62	Axle Load	-18.06	Axle Load
75.52(L)	63.5	-23.21	N/A	3.90	Axle Load	-19.56	Axle Load
75.52(R)	63.5	-23.29	N/A	3.90	Axle Load	-19.56	Axle Load
81.44(B)	68.4	-31.79	N/A	3.95	Axle Load	-21.96	Axle Load
83.30(B)	70.0	-34.45	N/A	3.95	Axle Load	-22.61	Axle Load
87.37(L)	73.4	-40.29	N/A	3.95	Axle Load	-24.00	Axle Load
87.37(R)	73.4	-40.37	N/A	3.95	Axle Load	-24.00	Axle Load
93.29(B)	78.4	-48.87	N/A	4.00	Axle Load	-26.25	Axle Load
95.20(B)	80.0	-51.61	N/A	4.00	Axle Load	-26.83	Axle Load
95.50(B)	80.3	-52.04	N/A	4.00	Axle Load	-26.92	Axle Load

99.22(L)	83.4	-57.37	N/A	4.00	Axle Load	-28.01	Axle Load
99.22(R)	83.4	-57.45	N/A	4.00	Axle Load	-28.01	Axle Load
104.00(B)	87.4	-64.31	N/A	4.03	Axle Load	-29.51	Axle Load
105.14(B)	88.4	-66.04	N/A	4.03	Axle Load	-29.80	Axle Load
107.10(B)	90.0	-68.99	N/A	4.03	Axle Load	-30.26	Axle Load
111.07(L)	93.3	-74.98	N/A	4.03	Axle Load	-31.15	Axle Load
111.07(R)	93.3	-75.06	N/A	4.03	Axle Load	-31.15	Axle Load
115.03(B)	96.7	-81.04	N/A	4.08	Axle Load	-32.29	Axle Load
119.00(L)	100.0	-87.02	N/A	4.08	Axle Load	-32.95	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	32.95	Axle Load	-4.08	Axle Load
2.21(B)	1.9	83.71	N/A	30.76	Axle Load	-3.85	Axle Load
4.42(L)	3.7	80.37	N/A	30.40	Axle Load	-3.85	Axle Load
4.42(R)	3.7	80.29	N/A	30.40	Axle Load	-3.85	Axle Load
10.35(B)	8.7	71.36	N/A	29.23	Axle Load	-3.85	Axle Load
11.90(B)	10.0	69.01	N/A	28.88	Axle Load	-3.85	Axle Load
15.00(B)	12.6	64.33	N/A	28.16	Axle Load	-3.85	Axle Load
16.27(L)	13.7	62.51	N/A	27.85	Axle Load	-3.85	Axle Load
16.27(R)	13.7	62.43	N/A	27.85	Axle Load	-3.85	Axle Load
22.19(B)	18.7	53.93	N/A	26.27	Axle Load	-3.85	Axle Load
23.50(B)	19.7	52.06	N/A	25.89	Axle Load	-3.85	Axle Load
23.80(B)	20.0	51.63	N/A	25.80	Axle Load	-3.85	Axle Load
28.12(L)	23.6	45.43	N/A	24.50	Axle Load	-3.85	Axle Load
28.12(R)	23.6	45.35	N/A	24.50	Axle Load	-3.85	Axle Load
34.04(B)	28.6	36.85	N/A	22.58	Axle Load	-3.85	Axle Load
35.70(B)	30.0	34.48	N/A	22.02	Axle Load	-3.85	Axle Load
39.97(L)	33.6	28.35	N/A	20.55	Axle Load	-3.85	Axle Load
39.97(R)	33.6	28.27	N/A	20.55	Axle Load	-3.85	Axle Load
45.90(B)	38.6	19.77	N/A	18.44	Axle Load	-4.19	Axle Load
47.60(B)	40.0	17.32	N/A	17.82	Axle Load	-4.56	Axle Load
51.82(L)	43.5	11.27	N/A	16.28	Axle Load	-5.54	Axle Load
51.82(R)	43.5	11.19	N/A	16.28	Axle Load	-5.54	Axle Load
57.74(B)	48.5	2.69	N/A	14.11	Axle Load	-7.10	Axle Load
59.50(B)	50.0	0.17	N/A	13.52	Axle Load	-7.63	Axle Load
63.67(L)	53.5	-5.81	N/A	12.00	Axle Load	-8.88	Axle Load
63.67(R)	53.5	-5.89	N/A	12.00	Axle Load	-8.88	Axle Load
69.60(B)	58.5	-14.39	N/A	10.01	Axle Load	-10.88	Axle Load
71.40(B)	60.0	-16.98	N/A	9.38	Axle Load	-11.50	Axle Load
75.52(L)	63.5	-22.89	N/A	7.97	Axle Load	-12.93	Axle Load

75.52(R)	63.5	-22.97	N/A	7.97	Axle Load	-12.93	Axle Load
81.44(B)	68.4	-31.47	N/A	6.14	Axle Load	-15.26	Axle Load
83.30(B)	70.0	-34.13	N/A	5.55	Axle Load	-15.95	Axle Load
87.37(L)	73.4	-39.97	N/A	4.32	Axle Load	-17.47	Axle Load
87.37(R)	73.4	-40.05	N/A	4.32	Axle Load	-17.47	Axle Load
93.29(B)	78.4	-48.55	N/A	2.68	Axle Load	-19.95	Axle Load
95.20(B)	80.0	-51.28	N/A	2.19	Axle Load	-20.67	Axle Load
95.50(B)	80.3	-51.71	N/A	2.11	Axle Load	-20.79	Axle Load
99.22(L)	83.4	-57.05	N/A	1.17	Axle Load	-22.19	Axle Load
99.22(R)	83.4	-57.13	N/A	1.17	Axle Load	-22.19	Axle Load
105.14(B)	88.4	-65.63	N/A	0.00	Axle Load	-24.55	Axle Load
106.00(B)	89.1	-66.86	N/A	0.00	Axle Load	-24.86	Axle Load
107.10(B)	90.0	-68.52	N/A	0.00	Axle Load	-25.26	Axle Load
111.07(L)	93.3	-74.51	N/A	0.00	Axle Load	-26.66	Axle Load
111.07(R)	93.3	-74.59	N/A	0.00	Axle Load	-26.66	Axle Load
115.03(B)	96.7	-80.57	N/A	0.00	Axle Load	-28.34	Axle Load
119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-29.66	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	30.85	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	28.54	Axle Load	0.00	Axle Load
4.42(L)	4.6	81.60	N/A	27.95	Axle Load	0.00	Axle Load
4.42(R)	4.6	81.52	N/A	27.95	Axle Load	0.00	Axle Load
9.52(B)	10.0	73.82	N/A	26.51	Axle Load	0.00	Axle Load
10.80(B)	11.3	71.90	N/A	26.13	Axle Load	0.00	Axle Load
13.00(B)	13.6	68.57	N/A	25.47	Axle Load	0.00	Axle Load
17.17(L)	18.0	62.59	N/A	24.15	Axle Load	-0.47	Axle Load
17.17(R)	18.0	62.51	N/A	24.15	Axle Load	-0.47	Axle Load
19.05(B)	20.0	59.81	N/A	23.54	Axle Load	-0.79	Axle Load
23.50(B)	24.7	53.43	N/A	22.03	Axle Load	-1.61	Axle Load
23.55(B)	24.7	53.37	N/A	22.01	Axle Load	-1.62	Axle Load
28.58(B)	30.0	46.15	N/A	20.22	Axle Load	-2.66	Axle Load
29.92(L)	31.4	44.22	N/A	19.73	Axle Load	-2.95	Axle Load
29.92(R)	31.4	44.14	N/A	19.73	Axle Load	-2.95	Axle Load
36.29(B)	38.1	34.99	N/A	17.31	Axle Load	-4.48	Axle Load
38.10(B)	40.0	32.40	N/A	16.61	Axle Load	-4.94	Axle Load
42.67(L)	44.8	25.85	N/A	14.79	Axle Load	-6.16	Axle Load
42.67(R)	44.8	25.77	N/A	14.79	Axle Load	-6.16	Axle Load
47.63(B)	50.0	18.66	N/A	12.80	Axle Load	-7.62	Axle Load
49.04(B)	51.5	16.62	N/A	12.21	Axle Load	-8.05	Axle Load

55.42(L)	58.2	7.48	N/A	9.80	Axle Load	-10.19	Axle Load
55.42(R)	58.2	7.40	N/A	9.80	Axle Load	-10.19	Axle Load
57.15(B)	60.0	4.92	N/A	9.14	Axle Load	-10.77	Axle Load
61.79(B)	64.9	-1.75	N/A	7.34	Axle Load	-12.40	Axle Load
66.68(B)	70.0	-8.75	N/A	5.78	Axle Load	-14.36	Axle Load
68.17(L)	71.6	-10.89	N/A	5.49	Axle Load	-14.93	Axle Load
68.17(R)	71.6	-10.97	N/A	5.49	Axle Load	-14.93	Axle Load
74.54(B)	78.3	-20.12	N/A	4.28	Axle Load	-17.65	Axle Load
76.20(B)	80.0	-22.49	N/A	3.94	Axle Load	-18.33	Axle Load
80.92(L)	85.0	-29.27	N/A	2.98	Axle Load	-20.30	Axle Load
80.92(R)	85.0	-29.35	N/A	2.98	Axle Load	-20.30	Axle Load
85.72(B)	90.0	-36.24	N/A	2.85	Axle Load	-22.62	Axle Load
87.29(B)	91.6	-38.49	N/A	2.85	Axle Load	-23.32	Axle Load
93.67(L)	98.3	-47.64	N/A	2.88	Axle Load	-26.48	Axle Load
93.67(R)	98.3	-47.72	N/A	2.88	Axle Load	-26.48	Axle Load
94.46(B)	99.2	-48.85	N/A	2.88	Axle Load	-26.84	Axle Load
95.25(L)	100.0	-49.98	N/A	2.88	Axle Load	-27.20	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: OH-2F1
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	19.86	Axle Load	-1.92	Axle Load
2	174.81	N/A	21.98	Axle Load	0.00	Axle Load
3	174.06	N/A	21.97	Axle Load	-2.90	Axle Load
4	174.81	N/A	22.07	Axle Load	0.00	Axle Load
5	49.98	N/A	21.10	Axle Load	-2.04	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: OH-2F1
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	82.44	Axle Load	-8.50	Axle Load
8.85(L)	9.3	385.73	N/A	153.99	Axle Load	-16.99	Axle Load
8.85(R)	9.3	385.73	N/A	153.99	Axle Load	-16.99	Axle Load
9.52(B)	10.0	410.49	N/A	163.96	Axle Load	-18.29	Axle Load
15.32(B)	16.1	596.25	N/A	239.42	Axle Load	-29.42	Axle Load
19.05(B)	20.0	690.11	N/A	278.35	Axle Load	-36.57	Axle Load
21.80(L)	22.9	746.63	N/A	302.49	Axle Load	-41.85	Axle Load
21.80(R)	22.9	746.63	N/A	302.49	Axle Load	-41.85	Axle Load
28.28(B)	29.7	836.34	N/A	344.13	Axle Load	-54.28	Axle Load
28.58(B)	30.0	839.04	N/A	345.56	Axle Load	-54.86	Axle Load
34.75(L)	36.5	865.90	N/A	365.76	Axle Load	-66.72	Axle Load
34.75(R)	36.5	865.90	N/A	365.76	Axle Load	-66.72	Axle Load
38.10(B)	40.0	857.32	N/A	369.40	Axle Load	-73.15	Axle Load
41.22(B)	43.3	834.80	N/A	368.71	Axle Load	-79.15	Axle Load
47.63(B)	50.0	744.95	N/A	359.46	Axle Load	-91.43	Axle Load
47.70(L)	50.1	743.55	N/A	359.28	Axle Load	-91.58	Axle Load
47.70(R)	50.1	743.55	N/A	359.28	Axle Load	-91.58	Axle Load
54.17(B)	56.9	591.63	N/A	335.97	Axle Load	-104.01	Axle Load
57.15(B)	60.0	501.67	N/A	320.19	Axle Load	-109.72	Axle Load
60.65(L)	63.7	379.57	N/A	298.42	Axle Load	-116.44	Axle Load
60.65(R)	63.7	379.57	N/A	298.42	Axle Load	-116.44	Axle Load
66.68(B)	70.0	127.75	N/A	252.69	Axle Load	-128.01	Axle Load
67.13(B)	70.5	106.85	N/A	248.91	Axle Load	-128.87	Axle Load
71.75(B)	75.3	-124.78	N/A	208.25	Axle Load	-137.75	Axle Load
73.60(L)	77.3	-226.03	N/A	191.01	Axle Load	-141.30	Axle Load
73.60(R)	77.3	-226.03	N/A	191.01	Axle Load	-141.30	Axle Load
76.20(B)	80.0	-376.82	N/A	165.61	Axle Load	-146.29	Axle Load
80.07(B)	84.1	-619.56	N/A	126.86	Axle Load	-153.73	Axle Load
82.25(B)	86.4	-765.25	N/A	104.45	Axle Load	-157.91	Axle Load
85.72(B)	90.0	-1012.55	N/A	68.36	Axle Load	-164.58	Axle Load
86.55(L)	90.9	-1073.93	N/A	59.72	Axle Load	-166.17	Axle Load
86.55(R)	90.9	-1073.93	N/A	59.72	Axle Load	-166.17	Axle Load
90.90(B)	95.4	-1414.93	N/A	13.87	Axle Load	-174.52	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-212.49	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-212.49	Axle Load
2.21(B)	1.9	-1596.84	N/A	0.00	Axle Load	-206.43	Axle Load
4.42(L)	3.7	-1416.57	N/A	20.80	Axle Load	-200.37	Axle Load
4.42(R)	3.7	-1416.57	N/A	20.80	Axle Load	-200.37	Axle Load
10.35(B)	8.7	-970.10	N/A	84.54	Axle Load	-184.13	Axle Load
11.90(B)	10.0	-861.70	N/A	100.25	Axle Load	-179.87	Axle Load
13.00(B)	10.9	-787.22	N/A	111.26	Axle Load	-176.85	Axle Load
16.27(L)	13.7	-576.19	N/A	143.23	Axle Load	-167.89	Axle Load
16.27(R)	13.7	-576.19	N/A	143.23	Axle Load	-167.89	Axle Load
22.19(B)	18.7	-233.38	N/A	196.16	Axle Load	-151.65	Axle Load
23.50(B)	19.7	-164.64	N/A	206.65	Axle Load	-148.07	Axle Load
23.80(B)	20.0	-149.19	N/A	208.99	Axle Load	-147.25	Axle Load
28.12(L)	23.6	59.07	N/A	240.91	Axle Load	-135.41	Axle Load
28.12(R)	23.6	59.07	N/A	240.91	Axle Load	-135.41	Axle Load
34.04(B)	28.6	300.68	N/A	276.18	Axle Load	-119.16	Axle Load
35.70(B)	30.0	359.17	N/A	283.95	Axle Load	-114.63	Axle Load
39.97(L)	33.6	491.92	N/A	300.46	Axle Load	-102.92	Axle Load
39.97(R)	33.6	491.92	N/A	300.46	Axle Load	-102.92	Axle Load
45.90(B)	38.6	632.33	N/A	313.42	Axle Load	-86.68	Axle Load
47.60(B)	40.0	663.41	N/A	314.80	Axle Load	-82.01	Axle Load
51.82(L)	43.5	722.38	N/A	315.22	Axle Load	-70.44	Axle Load
51.82(R)	43.5	722.38	N/A	315.22	Axle Load	-70.44	Axle Load
57.74(B)	48.5	761.59	N/A	308.30	Axle Load	-54.20	Axle Load
59.50(B)	50.0	763.54	N/A	304.22	Axle Load	-49.39	Axle Load
63.67(L)	53.5	750.44	N/A	290.57	Axle Load	-37.96	Axle Load
63.67(R)	53.5	750.44	N/A	290.57	Axle Load	-37.96	Axle Load
69.60(B)	58.5	688.45	N/A	262.26	Axle Load	-21.72	Axle Load
71.40(B)	60.0	659.56	N/A	251.99	Axle Load	-16.77	Axle Load
75.52(L)	63.5	576.10	N/A	225.63	Axle Load	-5.47	Axle Load
75.52(R)	63.5	576.10	N/A	225.63	Axle Load	-5.47	Axle Load
81.44(B)	68.4	412.91	N/A	181.71	Axle Load	-9.85	Axle Load
83.30(B)	70.0	351.47	N/A	167.19	Axle Load	-18.71	Axle Load
87.37(L)	73.4	199.36	N/A	134.08	Axle Load	-45.60	Axle Load
87.37(R)	73.4	199.36	N/A	134.08	Axle Load	-45.60	Axle Load
93.29(B)	78.4	-65.03	N/A	92.43	Axle Load	-98.72	Axle Load
95.20(B)	80.0	-160.73	N/A	79.83	Axle Load	-118.85	Axle Load
95.50(B)	80.3	-176.28	N/A	77.95	Axle Load	-122.05	Axle Load
99.22(L)	83.4	-379.78	N/A	59.49	Axle Load	-165.02	Axle Load
99.22(R)	83.4	-379.78	N/A	59.49	Axle Load	-165.02	Axle Load
104.00(B)	87.4	-670.79	N/A	72.59	Axle Load	-225.58	Axle Load

105.14(B)	88.4	-745.42	N/A	75.73	Axle Load	-240.85	Axle Load
107.10(B)	90.0	-877.40	N/A	81.09	Axle Load	-267.35	Axle Load
111.07(L)	93.3	-1163.17	N/A	91.97	Axle Load	-324.15	Axle Load
111.07(R)	93.3	-1163.17	N/A	91.97	Axle Load	-324.15	Axle Load
115.03(B)	96.7	-1472.63	N/A	102.84	Axle Load	-382.91	Axle Load
119.00(L)	100.0	-1805.80	N/A	113.71	Axle Load	-443.98	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	113.75	Axle Load	-443.99	Axle Load
2.21(B)	1.9	-1617.10	N/A	107.69	Axle Load	-409.61	Axle Load
4.42(L)	3.7	-1435.79	N/A	101.63	Axle Load	-375.85	Axle Load
4.42(R)	3.7	-1435.79	N/A	101.63	Axle Load	-375.85	Axle Load
10.35(B)	8.7	-986.53	N/A	85.38	Axle Load	-289.31	Axle Load
11.90(B)	10.0	-877.39	N/A	81.12	Axle Load	-267.52	Axle Load
15.00(B)	12.6	-670.71	N/A	72.62	Axle Load	-225.43	Axle Load
16.27(L)	13.7	-590.16	N/A	69.13	Axle Load	-208.70	Axle Load
16.27(R)	13.7	-590.16	N/A	69.13	Axle Load	-208.70	Axle Load
22.19(B)	18.7	-245.44	N/A	69.86	Axle Load	-136.66	Axle Load
23.50(B)	19.7	-176.28	N/A	78.05	Axle Load	-122.26	Axle Load
23.80(B)	20.0	-160.73	N/A	79.95	Axle Load	-119.02	Axle Load
28.12(L)	23.6	48.92	N/A	109.21	Axle Load	-75.44	Axle Load
28.12(R)	23.6	48.92	N/A	109.21	Axle Load	-75.44	Axle Load
34.04(B)	28.6	292.44	N/A	153.95	Axle Load	-28.66	Axle Load
35.70(B)	30.0	351.47	N/A	167.07	Axle Load	-18.86	Axle Load
39.97(L)	33.6	485.60	N/A	200.34	Axle Load	-1.90	Axle Load
39.97(R)	33.6	485.60	N/A	200.34	Axle Load	-1.90	Axle Load
45.90(B)	38.6	627.93	N/A	241.59	Axle Load	-12.10	Axle Load
47.60(B)	40.0	659.55	N/A	251.89	Axle Load	-16.77	Axle Load
51.82(L)	43.5	719.89	N/A	274.98	Axle Load	-28.34	Axle Load
51.82(R)	43.5	719.89	N/A	274.98	Axle Load	-28.34	Axle Load
57.74(B)	48.5	761.01	N/A	299.17	Axle Load	-44.59	Axle Load
59.50(B)	50.0	763.53	N/A	304.12	Axle Load	-49.40	Axle Load
63.67(L)	53.5	751.77	N/A	312.52	Axle Load	-60.84	Axle Load
63.67(R)	53.5	751.77	N/A	312.52	Axle Load	-60.84	Axle Load
69.60(B)	58.5	691.70	N/A	315.38	Axle Load	-77.08	Axle Load
71.40(B)	60.0	663.39	N/A	314.89	Axle Load	-82.03	Axle Load
75.52(L)	63.5	581.26	N/A	309.57	Axle Load	-93.33	Axle Load
75.52(R)	63.5	581.26	N/A	309.57	Axle Load	-93.33	Axle Load
81.44(B)	68.4	419.98	N/A	291.78	Axle Load	-109.57	Axle Load
83.30(B)	70.0	359.14	N/A	284.02	Axle Load	-114.66	Axle Load

87.37(L)	73.4	208.34	N/A	263.09	Axle Load	-125.82	Axle Load
87.37(R)	73.4	208.34	N/A	263.09	Axle Load	-125.82	Axle Load
93.29(B)	78.4	-54.13	N/A	223.59	Axle Load	-142.07	Axle Load
95.20(B)	80.0	-149.22	N/A	209.07	Axle Load	-147.29	Axle Load
95.50(B)	80.3	-164.67	N/A	206.69	Axle Load	-148.11	Axle Load
99.22(L)	83.4	-366.97	N/A	175.49	Axle Load	-158.31	Axle Load
99.22(R)	83.4	-366.97	N/A	175.49	Axle Load	-158.31	Axle Load
105.14(B)	88.4	-730.64	N/A	119.72	Axle Load	-174.56	Axle Load
106.00(B)	89.1	-787.28	N/A	111.31	Axle Load	-176.90	Axle Load
107.10(B)	90.0	-861.74	N/A	100.32	Axle Load	-179.92	Axle Load
111.07(L)	93.3	-1145.63	N/A	59.11	Axle Load	-190.81	Axle Load
111.07(R)	93.3	-1145.63	N/A	59.11	Axle Load	-190.81	Axle Load
115.03(B)	96.7	-1453.22	N/A	15.69	Axle Load	-201.68	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-212.55	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-212.55	Axle Load
2.21(B)	2.3	-1593.15	N/A	0.00	Axle Load	-181.66	Axle Load
4.42(L)	4.6	-1409.13	N/A	14.75	Axle Load	-174.32	Axle Load
4.42(R)	4.6	-1409.13	N/A	14.75	Axle Load	-174.32	Axle Load
9.52(B)	10.0	-1012.64	N/A	68.40	Axle Load	-164.52	Axle Load
10.80(B)	11.3	-920.11	N/A	81.80	Axle Load	-162.09	Axle Load
13.00(B)	13.6	-765.24	N/A	104.50	Axle Load	-157.85	Axle Load
17.17(L)	18.0	-491.76	N/A	147.02	Axle Load	-149.85	Axle Load
17.17(R)	18.0	-491.76	N/A	147.02	Axle Load	-149.85	Axle Load
19.05(B)	20.0	-376.78	N/A	165.54	Axle Load	-146.24	Axle Load
23.50(B)	24.7	-124.81	N/A	208.39	Axle Load	-137.70	Axle Load
23.55(B)	24.7	-122.41	N/A	208.80	Axle Load	-137.62	Axle Load
28.58(B)	30.0	127.87	N/A	252.71	Axle Load	-127.96	Axle Load
29.92(L)	31.4	188.64	N/A	263.71	Axle Load	-125.38	Axle Load
29.92(R)	31.4	188.64	N/A	263.71	Axle Load	-125.38	Axle Load
36.29(B)	38.1	440.88	N/A	309.37	Axle Load	-113.15	Axle Load
38.10(B)	40.0	501.71	N/A	320.15	Axle Load	-109.68	Axle Load
42.67(L)	44.8	634.82	N/A	343.14	Axle Load	-100.91	Axle Load
42.67(R)	44.8	634.82	N/A	343.14	Axle Load	-100.91	Axle Load
47.63(B)	50.0	744.89	N/A	359.47	Axle Load	-91.40	Axle Load
49.04(B)	51.5	769.94	N/A	362.49	Axle Load	-88.68	Axle Load
55.42(L)	58.2	846.76	N/A	369.51	Axle Load	-76.44	Axle Load
55.42(R)	58.2	846.76	N/A	369.51	Axle Load	-76.44	Axle Load
57.15(B)	60.0	857.41	N/A	369.40	Axle Load	-73.12	Axle Load

61.79(B)	64.9	864.77	N/A	362.99	Axle Load	-64.21	Axle Load
66.68(B)	70.0	839.15	N/A	345.56	Axle Load	-54.84	Axle Load
68.17(L)	71.6	824.47	N/A	338.01	Axle Load	-51.97	Axle Load
68.17(R)	71.6	824.47	N/A	338.01	Axle Load	-51.97	Axle Load
74.54(B)	78.3	725.36	N/A	293.34	Axle Load	-39.74	Axle Load
76.20(B)	80.0	690.09	N/A	278.35	Axle Load	-36.56	Axle Load
80.92(L)	85.0	567.94	N/A	227.76	Axle Load	-27.50	Axle Load
80.92(R)	85.0	567.94	N/A	227.76	Axle Load	-27.50	Axle Load
85.72(B)	90.0	410.38	N/A	163.96	Axle Load	-18.28	Axle Load
87.29(B)	91.6	351.71	N/A	140.39	Axle Load	-15.27	Axle Load
93.67(L)	98.3	77.18	N/A	30.69	Axle Load	-3.03	Axle Load
93.67(R)	98.3	77.18	N/A	30.69	Axle Load	-3.03	Axle Load
94.46(B)	99.2	39.04	N/A	15.52	Axle Load	-1.52	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: OH-2F1
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	19.86	Axle Load	-1.92	Axle Load
4.43(B)	4.6	43.59	N/A	18.63	Axle Load	-1.92	Axle Load
8.85(L)	9.3	37.24	N/A	17.40	Axle Load	-1.92	Axle Load
8.85(R)	9.3	37.16	N/A	17.40	Axle Load	-1.92	Axle Load
9.52(B)	10.0	36.19	N/A	17.21	Axle Load	-1.92	Axle Load
15.32(B)	16.1	27.87	N/A	15.62	Axle Load	-3.34	Axle Load
19.05(B)	20.0	22.52	N/A	14.61	Axle Load	-4.37	Axle Load
21.80(L)	22.9	18.58	N/A	13.88	Axle Load	-5.12	Axle Load
21.80(R)	22.9	18.50	N/A	13.88	Axle Load	-5.12	Axle Load
28.28(B)	29.7	9.21	N/A	12.17	Axle Load	-6.87	Axle Load
28.58(B)	30.0	8.78	N/A	12.09	Axle Load	-6.95	Axle Load

34.75(L)	36.5	-0.08	N/A	10.53	Axle Load	-8.58	Axle Load
34.75(R)	36.5	-0.16	N/A	10.53	Axle Load	-8.58	Axle Load
38.10(B)	40.0	-4.96	N/A	9.70	Axle Load	-9.44	Axle Load
41.22(B)	43.3	-9.45	N/A	8.94	Axle Load	-10.23	Axle Load
47.63(B)	50.0	-18.63	N/A	7.48	Axle Load	-11.83	Axle Load
47.70(L)	50.1	-18.74	N/A	7.46	Axle Load	-11.85	Axle Load
47.70(R)	50.1	-18.82	N/A	7.46	Axle Load	-11.85	Axle Load
54.17(B)	56.9	-28.11	N/A	6.10	Axle Load	-13.48	Axle Load
57.15(B)	60.0	-32.37	N/A	5.47	Axle Load	-14.15	Axle Load
60.65(L)	63.7	-37.40	N/A	4.76	Axle Load	-14.92	Axle Load
60.65(R)	63.7	-37.48	N/A	4.76	Axle Load	-14.92	Axle Load
66.68(B)	70.0	-46.12	N/A	3.67	Axle Load	-16.36	Axle Load
67.13(B)	70.5	-46.76	N/A	3.59	Axle Load	-16.46	Axle Load
71.75(B)	75.3	-53.40	N/A	2.82	Axle Load	-17.56	Axle Load
73.60(L)	77.3	-56.05	N/A	2.51	Axle Load	-17.90	Axle Load
73.60(R)	77.3	-56.13	N/A	2.51	Axle Load	-17.90	Axle Load
76.20(B)	80.0	-59.86	N/A	2.09	Axle Load	-18.37	Axle Load
80.07(B)	84.1	-65.42	N/A	1.52	Axle Load	-19.03	Axle Load
82.25(B)	86.4	-68.54	N/A	1.22	Axle Load	-19.52	Axle Load
85.72(B)	90.0	-73.79	N/A	0.76	Axle Load	-20.05	Axle Load
86.55(L)	90.9	-75.03	N/A	0.66	Axle Load	-20.17	Axle Load
86.55(R)	90.9	-75.11	N/A	0.66	Axle Load	-20.17	Axle Load
90.90(B)	95.4	-81.67	N/A	0.15	Axle Load	-20.99	Axle Load
95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-21.54	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	21.40	Axle Load	0.00	Axle Load
2.21(B)	1.9	83.24	N/A	19.93	Axle Load	0.00	Axle Load
4.42(L)	3.7	79.90	N/A	19.57	Axle Load	-0.20	Axle Load
4.42(R)	3.7	79.82	N/A	19.57	Axle Load	-0.20	Axle Load
10.35(B)	8.7	70.88	N/A	18.53	Axle Load	-1.11	Axle Load
11.90(B)	10.0	68.54	N/A	18.24	Axle Load	-1.36	Axle Load
13.00(B)	10.9	66.88	N/A	18.03	Axle Load	-1.55	Axle Load
16.27(L)	13.7	62.19	N/A	17.39	Axle Load	-2.13	Axle Load
16.27(R)	13.7	62.11	N/A	17.39	Axle Load	-2.13	Axle Load
22.19(B)	18.7	53.61	N/A	16.15	Axle Load	-3.26	Axle Load
23.50(B)	19.7	51.74	N/A	15.87	Axle Load	-3.52	Axle Load
23.80(B)	20.0	51.31	N/A	15.81	Axle Load	-3.58	Axle Load
28.12(L)	23.6	45.11	N/A	14.84	Axle Load	-4.49	Axle Load
28.12(R)	23.6	45.03	N/A	14.84	Axle Load	-4.49	Axle Load

34.04(B)	28.6	36.53	N/A	13.47	Axle Load	-5.79	Axle Load
35.70(B)	30.0	34.15	N/A	13.08	Axle Load	-6.17	Axle Load
39.97(L)	33.6	28.03	N/A	12.06	Axle Load	-7.16	Axle Load
39.97(R)	33.6	27.95	N/A	12.06	Axle Load	-7.16	Axle Load
45.90(B)	38.6	19.45	N/A	10.64	Axle Load	-8.56	Axle Load
47.60(B)	40.0	17.00	N/A	10.23	Axle Load	-8.97	Axle Load
51.82(L)	43.5	10.95	N/A	9.23	Axle Load	-9.98	Axle Load
51.82(R)	43.5	10.87	N/A	9.23	Axle Load	-9.98	Axle Load
57.74(B)	48.5	2.37	N/A	7.84	Axle Load	-11.40	Axle Load
59.50(B)	50.0	-0.15	N/A	7.46	Axle Load	-11.85	Axle Load
63.67(L)	53.5	-6.13	N/A	6.53	Axle Load	-12.83	Axle Load
63.67(R)	53.5	-6.21	N/A	6.53	Axle Load	-12.83	Axle Load
69.60(B)	58.5	-14.71	N/A	5.32	Axle Load	-14.32	Axle Load
71.40(B)	60.0	-17.30	N/A	4.94	Axle Load	-14.72	Axle Load
75.52(L)	63.5	-23.21	N/A	4.13	Axle Load	-15.61	Axle Load
75.52(R)	63.5	-23.29	N/A	4.13	Axle Load	-15.61	Axle Load
81.44(B)	68.4	-31.79	N/A	3.11	Axle Load	-17.03	Axle Load
83.30(B)	70.0	-34.45	N/A	2.81	Axle Load	-17.38	Axle Load
87.37(L)	73.4	-40.29	N/A	2.81	Axle Load	-18.12	Axle Load
87.37(R)	73.4	-40.37	N/A	2.81	Axle Load	-18.12	Axle Load
93.29(B)	78.4	-48.87	N/A	2.85	Axle Load	-19.33	Axle Load
95.20(B)	80.0	-51.61	N/A	2.85	Axle Load	-19.61	Axle Load
95.50(B)	80.3	-52.04	N/A	2.85	Axle Load	-19.65	Axle Load
99.22(L)	83.4	-57.37	N/A	2.85	Axle Load	-20.14	Axle Load
99.22(R)	83.4	-57.45	N/A	2.85	Axle Load	-20.14	Axle Load
104.00(B)	87.4	-64.31	N/A	2.87	Axle Load	-20.82	Axle Load
105.14(B)	88.4	-66.04	N/A	2.87	Axle Load	-20.93	Axle Load
107.10(B)	90.0	-68.99	N/A	2.87	Axle Load	-21.10	Axle Load
111.07(L)	93.3	-74.98	N/A	2.87	Axle Load	-21.38	Axle Load
111.07(R)	93.3	-75.06	N/A	2.87	Axle Load	-21.38	Axle Load
115.03(B)	96.7	-81.04	N/A	2.90	Axle Load	-21.83	Axle Load
119.00(L)	100.0	-87.02	N/A	2.90	Axle Load	-21.94	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	21.94	Axle Load	-2.91	Axle Load
2.21(B)	1.9	83.71	N/A	20.66	Axle Load	-2.74	Axle Load
4.42(L)	3.7	80.37	N/A	20.58	Axle Load	-2.74	Axle Load
4.42(R)	3.7	80.29	N/A	20.58	Axle Load	-2.74	Axle Load
10.35(B)	8.7	71.36	N/A	20.25	Axle Load	-2.74	Axle Load
11.90(B)	10.0	69.01	N/A	20.14	Axle Load	-2.74	Axle Load

15.00(B)	12.6	64.33	N/A	19.87	Axle Load	-2.74	Axle Load
16.27(L)	13.7	62.51	N/A	19.75	Axle Load	-2.74	Axle Load
16.27(R)	13.7	62.43	N/A	19.75	Axle Load	-2.74	Axle Load
22.19(B)	18.7	53.93	N/A	19.07	Axle Load	-2.74	Axle Load
23.50(B)	19.7	52.06	N/A	18.90	Axle Load	-2.74	Axle Load
23.80(B)	20.0	51.63	N/A	18.86	Axle Load	-2.74	Axle Load
28.12(L)	23.6	45.43	N/A	18.22	Axle Load	-2.74	Axle Load
28.12(R)	23.6	45.35	N/A	18.22	Axle Load	-2.74	Axle Load
34.04(B)	28.6	36.85	N/A	17.23	Axle Load	-2.74	Axle Load
35.70(B)	30.0	34.48	N/A	16.93	Axle Load	-2.74	Axle Load
39.97(L)	33.6	28.35	N/A	16.11	Axle Load	-3.44	Axle Load
39.97(R)	33.6	28.27	N/A	16.11	Axle Load	-3.44	Axle Load
45.90(B)	38.6	19.77	N/A	14.89	Axle Load	-4.54	Axle Load
47.60(B)	40.0	17.32	N/A	14.53	Axle Load	-4.88	Axle Load
51.82(L)	43.5	11.27	N/A	13.59	Axle Load	-5.75	Axle Load
51.82(R)	43.5	11.19	N/A	13.59	Axle Load	-5.75	Axle Load
57.74(B)	48.5	2.69	N/A	12.23	Axle Load	-7.04	Axle Load
59.50(B)	50.0	0.17	N/A	11.85	Axle Load	-7.46	Axle Load
63.67(L)	53.5	-5.81	N/A	10.86	Axle Load	-8.43	Axle Load
63.67(R)	53.5	-5.89	N/A	10.86	Axle Load	-8.43	Axle Load
69.60(B)	58.5	-14.39	N/A	9.53	Axle Load	-9.93	Axle Load
71.40(B)	60.0	-16.98	N/A	9.09	Axle Load	-10.37	Axle Load
75.52(L)	63.5	-22.89	N/A	8.09	Axle Load	-11.37	Axle Load
75.52(R)	63.5	-22.97	N/A	8.09	Axle Load	-11.37	Axle Load
81.44(B)	68.4	-31.47	N/A	6.77	Axle Load	-12.97	Axle Load
83.30(B)	70.0	-34.13	N/A	6.33	Axle Load	-13.42	Axle Load
87.37(L)	73.4	-39.97	N/A	5.39	Axle Load	-14.40	Axle Load
87.37(R)	73.4	-40.05	N/A	5.39	Axle Load	-14.40	Axle Load
93.29(B)	78.4	-48.55	N/A	4.14	Axle Load	-16.00	Axle Load
95.20(B)	80.0	-51.28	N/A	3.72	Axle Load	-16.44	Axle Load
95.50(B)	80.3	-51.71	N/A	3.66	Axle Load	-16.50	Axle Load
99.22(L)	83.4	-57.05	N/A	2.90	Axle Load	-17.33	Axle Load
99.22(R)	83.4	-57.13	N/A	2.90	Axle Load	-17.33	Axle Load
105.14(B)	88.4	-65.63	N/A	1.78	Axle Load	-18.72	Axle Load
106.00(B)	89.1	-66.86	N/A	1.62	Axle Load	-18.89	Axle Load
107.10(B)	90.0	-68.52	N/A	1.43	Axle Load	-19.11	Axle Load
111.07(L)	93.3	-74.51	N/A	0.75	Axle Load	-19.87	Axle Load
111.07(R)	93.3	-74.59	N/A	0.75	Axle Load	-19.87	Axle Load
115.03(B)	96.7	-80.57	N/A	0.14	Axle Load	-20.82	Axle Load
119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-21.48	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	21.62	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	20.14	Axle Load	0.00	Axle Load
4.42(L)	4.6	81.60	N/A	19.87	Axle Load	-0.15	Axle Load
4.42(R)	4.6	81.52	N/A	19.87	Axle Load	-0.15	Axle Load
9.52(B)	10.0	73.82	N/A	19.19	Axle Load	-0.73	Axle Load
10.80(B)	11.3	71.90	N/A	19.01	Axle Load	-0.89	Axle Load
13.00(B)	13.6	68.57	N/A	18.68	Axle Load	-1.17	Axle Load
17.17(L)	18.0	62.59	N/A	18.03	Axle Load	-1.75	Axle Load
17.17(R)	18.0	62.51	N/A	18.03	Axle Load	-1.75	Axle Load
19.05(B)	20.0	59.81	N/A	17.71	Axle Load	-2.02	Axle Load
23.50(B)	24.7	53.43	N/A	16.93	Axle Load	-2.72	Axle Load
23.55(B)	24.7	53.37	N/A	16.92	Axle Load	-2.72	Axle Load
28.58(B)	30.0	46.15	N/A	15.97	Axle Load	-3.58	Axle Load
29.92(L)	31.4	44.22	N/A	15.70	Axle Load	-3.82	Axle Load
29.92(R)	31.4	44.14	N/A	15.70	Axle Load	-3.82	Axle Load
36.29(B)	38.1	34.99	N/A	14.37	Axle Load	-5.04	Axle Load
38.10(B)	40.0	32.40	N/A	13.98	Axle Load	-5.40	Axle Load
42.67(L)	44.8	25.85	N/A	12.95	Axle Load	-6.36	Axle Load
42.67(R)	44.8	25.77	N/A	12.95	Axle Load	-6.36	Axle Load
47.63(B)	50.0	18.66	N/A	11.83	Axle Load	-7.48	Axle Load
49.04(B)	51.5	16.62	N/A	11.49	Axle Load	-7.80	Axle Load
55.42(L)	58.2	7.48	N/A	10.00	Axle Load	-9.39	Axle Load
55.42(R)	58.2	7.40	N/A	10.00	Axle Load	-9.39	Axle Load
57.15(B)	60.0	4.92	N/A	9.56	Axle Load	-9.82	Axle Load
61.79(B)	64.9	-1.75	N/A	8.34	Axle Load	-10.99	Axle Load
66.68(B)	70.0	-8.75	N/A	7.13	Axle Load	-12.39	Axle Load
68.17(L)	71.6	-10.89	N/A	6.72	Axle Load	-12.79	Axle Load
68.17(R)	71.6	-10.97	N/A	6.72	Axle Load	-12.79	Axle Load
74.54(B)	78.3	-20.12	N/A	5.01	Axle Load	-14.70	Axle Load
76.20(B)	80.0	-22.49	N/A	4.53	Axle Load	-15.16	Axle Load
80.92(L)	85.0	-29.27	N/A	3.18	Axle Load	-16.49	Axle Load
80.92(R)	85.0	-29.35	N/A	3.18	Axle Load	-16.49	Axle Load
85.72(B)	90.0	-36.24	N/A	2.01	Axle Load	-18.07	Axle Load
87.29(B)	91.6	-38.49	N/A	2.01	Axle Load	-18.53	Axle Load
93.67(L)	98.3	-47.64	N/A	2.04	Axle Load	-20.63	Axle Load
93.67(R)	98.3	-47.72	N/A	2.04	Axle Load	-20.63	Axle Load
94.46(B)	99.2	-48.85	N/A	2.04	Axle Load	-20.87	Axle Load
95.25(L)	100.0	-49.98	N/A	2.04	Axle Load	-21.10	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: OH-3F1
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	29.69	Axle Load	-2.93	Axle Load
2	174.81	N/A	33.68	Axle Load	0.00	Axle Load
3	174.06	N/A	33.65	Axle Load	-4.43	Axle Load
4	174.81	N/A	33.80	Axle Load	0.00	Axle Load
5	49.98	N/A	31.54	Axle Load	-3.11	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: OH-3F1
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	123.02	Axle Load	-12.96	Axle Load
8.85(L)	9.3	385.73	N/A	229.44	Axle Load	-25.93	Axle Load
8.85(R)	9.3	385.73	N/A	229.44	Axle Load	-25.93	Axle Load
9.52(B)	10.0	410.49	N/A	244.23	Axle Load	-27.91	Axle Load
15.32(B)	16.1	596.25	N/A	355.69	Axle Load	-44.90	Axle Load
19.05(B)	20.0	690.11	N/A	412.90	Axle Load	-55.81	Axle Load
21.80(L)	22.9	746.63	N/A	448.04	Axle Load	-63.87	Axle Load
21.80(R)	22.9	746.63	N/A	448.04	Axle Load	-63.87	Axle Load
28.28(B)	29.7	836.34	N/A	507.99	Axle Load	-82.84	Axle Load
28.58(B)	30.0	839.04	N/A	510.02	Axle Load	-83.72	Axle Load
34.75(L)	36.5	865.90	N/A	543.64	Axle Load	-101.81	Axle Load
34.75(R)	36.5	865.90	N/A	543.64	Axle Load	-101.81	Axle Load
38.10(B)	40.0	857.32	N/A	551.42	Axle Load	-111.62	Axle Load

41.22(B)	43.3	834.80	N/A	552.22	Axle Load	-120.78	Axle Load
47.63(B)	50.0	744.95	N/A	537.00	Axle Load	-139.53	Axle Load
47.70(L)	50.1	743.55	N/A	536.68	Axle Load	-139.75	Axle Load
47.70(R)	50.1	743.55	N/A	536.68	Axle Load	-139.75	Axle Load
54.17(B)	56.9	591.63	N/A	498.09	Axle Load	-158.72	Axle Load
57.15(B)	60.0	501.67	N/A	473.06	Axle Load	-167.43	Axle Load
60.65(L)	63.7	379.57	N/A	439.10	Axle Load	-177.69	Axle Load
60.65(R)	63.7	379.57	N/A	439.10	Axle Load	-177.69	Axle Load
66.68(B)	70.0	127.75	N/A	368.33	Axle Load	-195.34	Axle Load
67.13(B)	70.5	106.85	N/A	362.62	Axle Load	-196.66	Axle Load
71.75(B)	75.3	-124.78	N/A	300.24	Axle Load	-210.20	Axle Load
73.60(L)	77.3	-226.03	N/A	274.23	Axle Load	-215.62	Axle Load
73.60(R)	77.3	-226.03	N/A	274.23	Axle Load	-215.62	Axle Load
76.20(B)	80.0	-376.82	N/A	235.73	Axle Load	-223.24	Axle Load
80.07(B)	84.1	-619.56	N/A	177.66	Axle Load	-234.59	Axle Load
82.25(B)	86.4	-765.25	N/A	143.86	Axle Load	-240.97	Axle Load
85.72(B)	90.0	-1012.55	N/A	89.95	Axle Load	-251.15	Axle Load
86.55(L)	90.9	-1073.93	N/A	76.84	Axle Load	-253.56	Axle Load
86.55(R)	90.9	-1073.93	N/A	76.84	Axle Load	-253.56	Axle Load
90.90(B)	95.4	-1414.93	N/A	8.45	Axle Load	-266.31	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-324.11	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-324.11	Axle Load
2.21(B)	1.9	-1596.84	N/A	0.00	Axle Load	-314.87	Axle Load
4.42(L)	3.7	-1416.57	N/A	16.28	Axle Load	-305.63	Axle Load
4.42(R)	3.7	-1416.57	N/A	16.28	Axle Load	-305.63	Axle Load
10.35(B)	8.7	-970.10	N/A	112.88	Axle Load	-280.86	Axle Load
11.90(B)	10.0	-861.70	N/A	136.82	Axle Load	-274.36	Axle Load
13.00(B)	10.9	-787.22	N/A	153.41	Axle Load	-269.76	Axle Load
16.27(L)	13.7	-576.19	N/A	201.57	Axle Load	-256.09	Axle Load
16.27(R)	13.7	-576.19	N/A	201.57	Axle Load	-256.09	Axle Load
22.19(B)	18.7	-233.38	N/A	282.66	Axle Load	-231.31	Axle Load
23.50(B)	19.7	-164.64	N/A	298.86	Axle Load	-225.86	Axle Load
23.80(B)	20.0	-149.19	N/A	302.45	Axle Load	-224.60	Axle Load
28.12(L)	23.6	59.07	N/A	351.29	Axle Load	-206.54	Axle Load
28.12(R)	23.6	59.07	N/A	351.29	Axle Load	-206.54	Axle Load
34.04(B)	28.6	300.68	N/A	406.71	Axle Load	-181.76	Axle Load
35.70(B)	30.0	359.17	N/A	419.10	Axle Load	-174.84	Axle Load
39.97(L)	33.6	491.92	N/A	445.19	Axle Load	-156.99	Axle Load

39.97(R)	33.6	491.92	N/A	445.19	Axle Load	-156.99	Axle Load
45.90(B)	38.6	632.33	N/A	467.12	Axle Load	-132.22	Axle Load
47.60(B)	40.0	663.41	N/A	469.86	Axle Load	-125.09	Axle Load
51.82(L)	43.5	722.38	N/A	471.14	Axle Load	-107.44	Axle Load
51.82(R)	43.5	722.38	N/A	471.14	Axle Load	-107.44	Axle Load
57.74(B)	48.5	761.59	N/A	458.78	Axle Load	-82.67	Axle Load
59.50(B)	50.0	763.54	N/A	451.89	Axle Load	-75.33	Axle Load
63.67(L)	53.5	750.44	N/A	430.44	Axle Load	-57.90	Axle Load
63.67(R)	53.5	750.44	N/A	430.44	Axle Load	-57.90	Axle Load
69.60(B)	58.5	688.45	N/A	386.25	Axle Load	-33.12	Axle Load
71.40(B)	60.0	659.56	N/A	370.18	Axle Load	-25.58	Axle Load
75.52(L)	63.5	576.10	N/A	330.39	Axle Load	-8.35	Axle Load
75.52(R)	63.5	576.10	N/A	330.39	Axle Load	-8.35	Axle Load
81.44(B)	68.4	412.91	N/A	264.10	Axle Load	-14.87	Axle Load
83.30(B)	70.0	351.47	N/A	242.07	Axle Load	-28.25	Axle Load
87.37(L)	73.4	199.36	N/A	193.73	Axle Load	-69.05	Axle Load
87.37(R)	73.4	199.36	N/A	193.73	Axle Load	-69.05	Axle Load
93.29(B)	78.4	-65.03	N/A	126.23	Axle Load	-150.25	Axle Load
95.20(B)	80.0	-160.73	N/A	105.41	Axle Load	-180.95	Axle Load
95.50(B)	80.3	-176.28	N/A	102.75	Axle Load	-186.00	Axle Load
99.22(L)	83.4	-379.78	N/A	90.74	Axle Load	-251.83	Axle Load
99.22(R)	83.4	-379.78	N/A	90.74	Axle Load	-251.83	Axle Load
104.00(B)	87.4	-670.79	N/A	110.73	Axle Load	-343.93	Axle Load
105.14(B)	88.4	-745.42	N/A	115.52	Axle Load	-367.38	Axle Load
107.10(B)	90.0	-877.40	N/A	123.69	Axle Load	-408.42	Axle Load
111.07(L)	93.3	-1163.17	N/A	140.29	Axle Load	-495.23	Axle Load
111.07(R)	93.3	-1163.17	N/A	140.29	Axle Load	-495.23	Axle Load
115.03(B)	96.7	-1472.63	N/A	156.87	Axle Load	-585.59	Axle Load
119.00(L)	100.0	-1805.80	N/A	173.45	Axle Load	-678.28	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	173.18	Axle Load	-678.66	Axle Load
2.21(B)	1.9	-1617.10	N/A	163.95	Axle Load	-625.90	Axle Load
4.42(L)	3.7	-1435.79	N/A	154.73	Axle Load	-574.53	Axle Load
4.42(R)	3.7	-1435.79	N/A	154.73	Axle Load	-574.53	Axle Load
10.35(B)	8.7	-986.53	N/A	129.99	Axle Load	-442.24	Axle Load
11.90(B)	10.0	-877.39	N/A	123.50	Axle Load	-408.68	Axle Load
15.00(B)	12.6	-670.71	N/A	110.56	Axle Load	-344.13	Axle Load
16.27(L)	13.7	-590.16	N/A	105.26	Axle Load	-318.66	Axle Load
16.27(R)	13.7	-590.16	N/A	105.26	Axle Load	-318.66	Axle Load

22.19(B)	18.7	-245.44	N/A	92.44	Axle Load	-208.71	Axle Load
23.50(B)	19.7	-176.28	N/A	103.65	Axle Load	-186.01	Axle Load
23.80(B)	20.0	-160.73	N/A	106.21	Axle Load	-180.94	Axle Load
28.12(L)	23.6	48.92	N/A	153.63	Axle Load	-114.69	Axle Load
28.12(R)	23.6	48.92	N/A	153.63	Axle Load	-114.69	Axle Load
34.04(B)	28.6	292.44	N/A	223.02	Axle Load	-43.30	Axle Load
35.70(B)	30.0	351.47	N/A	242.61	Axle Load	-28.32	Axle Load
39.97(L)	33.6	485.60	N/A	291.74	Axle Load	-2.83	Axle Load
39.97(R)	33.6	485.60	N/A	291.74	Axle Load	-2.83	Axle Load
45.90(B)	38.6	627.93	N/A	354.67	Axle Load	-18.42	Axle Load
47.60(B)	40.0	659.55	N/A	370.54	Axle Load	-25.54	Axle Load
51.82(L)	43.5	719.89	N/A	405.72	Axle Load	-43.15	Axle Load
51.82(R)	43.5	719.89	N/A	405.72	Axle Load	-43.15	Axle Load
57.74(B)	48.5	761.01	N/A	444.07	Axle Load	-67.89	Axle Load
59.50(B)	50.0	763.53	N/A	452.14	Axle Load	-75.22	Axle Load
63.67(L)	53.5	751.77	N/A	465.71	Axle Load	-92.62	Axle Load
63.67(R)	53.5	751.77	N/A	465.71	Axle Load	-92.62	Axle Load
69.60(B)	58.5	691.70	N/A	471.14	Axle Load	-117.36	Axle Load
71.40(B)	60.0	663.39	N/A	469.63	Axle Load	-124.89	Axle Load
75.52(L)	63.5	581.26	N/A	460.48	Axle Load	-142.09	Axle Load
75.52(R)	63.5	581.26	N/A	460.48	Axle Load	-142.09	Axle Load
81.44(B)	68.4	419.98	N/A	431.40	Axle Load	-166.83	Axle Load
83.30(B)	70.0	359.14	N/A	418.81	Axle Load	-174.57	Axle Load
87.37(L)	73.4	208.34	N/A	386.15	Axle Load	-191.56	Axle Load
87.37(R)	73.4	208.34	N/A	386.15	Axle Load	-191.56	Axle Load
93.29(B)	78.4	-54.13	N/A	324.64	Axle Load	-216.30	Axle Load
95.20(B)	80.0	-149.22	N/A	302.04	Axle Load	-224.25	Axle Load
95.50(B)	80.3	-164.67	N/A	298.47	Axle Load	-225.50	Axle Load
99.22(L)	83.4	-366.97	N/A	251.08	Axle Load	-241.03	Axle Load
99.22(R)	83.4	-366.97	N/A	251.08	Axle Load	-241.03	Axle Load
105.14(B)	88.4	-730.64	N/A	166.13	Axle Load	-265.77	Axle Load
106.00(B)	89.1	-787.28	N/A	153.28	Axle Load	-269.34	Axle Load
107.10(B)	90.0	-861.74	N/A	136.39	Axle Load	-273.93	Axle Load
111.07(L)	93.3	-1145.63	N/A	73.92	Axle Load	-290.50	Axle Load
111.07(R)	93.3	-1145.63	N/A	73.92	Axle Load	-290.50	Axle Load
115.03(B)	96.7	-1453.22	N/A	8.58	Axle Load	-307.06	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-323.61	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-323.61	Axle Load

2.21(B)	2.3	-1593.15	N/A	0.00	Axle Load	-277.28	Axle Load
4.42(L)	4.6	-1409.13	N/A	9.67	Axle Load	-266.05	Axle Load
4.42(R)	4.6	-1409.13	N/A	9.67	Axle Load	-266.05	Axle Load
9.52(B)	10.0	-1012.64	N/A	90.04	Axle Load	-251.10	Axle Load
10.80(B)	11.3	-920.11	N/A	110.21	Axle Load	-247.38	Axle Load
13.00(B)	13.6	-765.24	N/A	144.07	Axle Load	-240.92	Axle Load
17.17(L)	18.0	-491.76	N/A	207.79	Axle Load	-228.71	Axle Load
17.17(R)	18.0	-491.76	N/A	207.79	Axle Load	-228.71	Axle Load
19.05(B)	20.0	-376.78	N/A	235.93	Axle Load	-223.20	Axle Load
23.50(B)	24.7	-124.81	N/A	300.46	Axle Load	-210.17	Axle Load
23.55(B)	24.7	-122.41	N/A	301.10	Axle Load	-210.03	Axle Load
28.58(B)	30.0	127.87	N/A	368.33	Axle Load	-195.30	Axle Load
29.92(L)	31.4	188.64	N/A	385.34	Axle Load	-191.36	Axle Load
29.92(R)	31.4	188.64	N/A	385.34	Axle Load	-191.36	Axle Load
36.29(B)	38.1	440.88	N/A	456.32	Axle Load	-172.69	Axle Load
38.10(B)	40.0	501.71	N/A	473.27	Axle Load	-167.40	Axle Load
42.67(L)	44.8	634.82	N/A	509.63	Axle Load	-154.01	Axle Load
42.67(R)	44.8	634.82	N/A	509.63	Axle Load	-154.01	Axle Load
47.63(B)	50.0	744.89	N/A	536.83	Axle Load	-139.50	Axle Load
49.04(B)	51.5	769.94	N/A	542.20	Axle Load	-135.34	Axle Load
55.42(L)	58.2	846.76	N/A	552.67	Axle Load	-116.67	Axle Load
55.42(R)	58.2	846.76	N/A	552.67	Axle Load	-116.67	Axle Load
57.15(B)	60.0	857.41	N/A	551.40	Axle Load	-111.60	Axle Load
61.79(B)	64.9	864.77	N/A	538.42	Axle Load	-97.99	Axle Load
66.68(B)	70.0	839.15	N/A	509.99	Axle Load	-83.70	Axle Load
68.17(L)	71.6	824.47	N/A	499.26	Axle Load	-79.32	Axle Load
68.17(R)	71.6	824.47	N/A	499.26	Axle Load	-79.32	Axle Load
74.54(B)	78.3	725.36	N/A	434.76	Axle Load	-60.65	Axle Load
76.20(B)	80.0	690.09	N/A	412.89	Axle Load	-55.80	Axle Load
80.92(L)	85.0	567.94	N/A	338.52	Axle Load	-41.97	Axle Load
80.92(R)	85.0	567.94	N/A	338.52	Axle Load	-41.97	Axle Load
85.72(B)	90.0	410.38	N/A	244.23	Axle Load	-27.90	Axle Load
87.29(B)	91.6	351.71	N/A	209.25	Axle Load	-23.30	Axle Load
93.67(L)	98.3	77.18	N/A	45.85	Axle Load	-4.63	Axle Load
93.67(R)	98.3	77.18	N/A	45.85	Axle Load	-4.63	Axle Load
94.46(B)	99.2	39.04	N/A	23.19	Axle Load	-2.31	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:
 (B) Both
 (L) Left
 (R) Right

Shear Summary
Live Load: OH-3F1
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	29.69	Axle Load	-2.93	Axle Load
4.43(B)	4.6	43.59	N/A	27.80	Axle Load	-2.93	Axle Load
8.85(L)	9.3	37.24	N/A	25.93	Axle Load	-2.93	Axle Load
8.85(R)	9.3	37.16	N/A	25.93	Axle Load	-2.93	Axle Load
9.52(B)	10.0	36.19	N/A	25.64	Axle Load	-2.93	Axle Load
15.32(B)	16.1	27.87	N/A	23.21	Axle Load	-4.36	Axle Load
19.05(B)	20.0	22.52	N/A	21.67	Axle Load	-5.94	Axle Load
21.80(L)	22.9	18.58	N/A	20.55	Axle Load	-7.10	Axle Load
21.80(R)	22.9	18.50	N/A	20.55	Axle Load	-7.10	Axle Load
28.28(B)	29.7	9.21	N/A	17.97	Axle Load	-9.79	Axle Load
28.58(B)	30.0	8.78	N/A	17.85	Axle Load	-9.91	Axle Load
34.75(L)	36.5	-0.08	N/A	15.46	Axle Load	-12.42	Axle Load
34.75(R)	36.5	-0.16	N/A	15.46	Axle Load	-12.42	Axle Load
38.10(B)	40.0	-4.96	N/A	14.22	Axle Load	-13.76	Axle Load
41.22(B)	43.3	-9.45	N/A	13.07	Axle Load	-14.98	Axle Load
47.63(B)	50.0	-18.63	N/A	10.87	Axle Load	-17.46	Axle Load
47.70(L)	50.1	-18.74	N/A	10.84	Axle Load	-17.48	Axle Load
47.70(R)	50.1	-18.82	N/A	10.84	Axle Load	-17.48	Axle Load
54.17(B)	56.9	-28.11	N/A	8.78	Axle Load	-20.02	Axle Load
57.15(B)	60.0	-32.37	N/A	7.85	Axle Load	-21.07	Axle Load
60.65(L)	63.7	-37.40	N/A	6.79	Axle Load	-22.26	Axle Load
60.65(R)	63.7	-37.48	N/A	6.79	Axle Load	-22.26	Axle Load
66.68(B)	70.0	-46.12	N/A	5.15	Axle Load	-24.51	Axle Load
67.13(B)	70.5	-46.76	N/A	5.03	Axle Load	-24.65	Axle Load
71.75(B)	75.3	-53.40	N/A	3.88	Axle Load	-26.38	Axle Load
73.60(L)	77.3	-56.05	N/A	3.43	Axle Load	-26.92	Axle Load
73.60(R)	77.3	-56.13	N/A	3.43	Axle Load	-26.92	Axle Load
76.20(B)	80.0	-59.86	N/A	2.81	Axle Load	-27.66	Axle Load
80.07(B)	84.1	-65.42	N/A	1.96	Axle Load	-28.70	Axle Load
82.25(B)	86.4	-68.54	N/A	1.52	Axle Load	-29.46	Axle Load
85.72(B)	90.0	-73.79	N/A	0.85	Axle Load	-30.31	Axle Load

86.55(L)	90.9	-75.03	N/A	0.70	Axle Load	-30.50	Axle Load
86.55(R)	90.9	-75.11	N/A	0.70	Axle Load	-30.50	Axle Load
90.90(B)	95.4	-81.67	N/A	0.00	Axle Load	-31.79	Axle Load
95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-32.67	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	32.35	Axle Load	0.00	Axle Load
2.21(B)	1.9	83.24	N/A	30.09	Axle Load	0.00	Axle Load
4.42(L)	3.7	79.90	N/A	29.51	Axle Load	0.00	Axle Load
4.42(R)	3.7	79.82	N/A	29.51	Axle Load	0.00	Axle Load
10.35(B)	8.7	70.88	N/A	27.88	Axle Load	-1.28	Axle Load
11.90(B)	10.0	68.54	N/A	27.43	Axle Load	-1.67	Axle Load
13.00(B)	10.9	66.88	N/A	27.10	Axle Load	-1.94	Axle Load
16.27(L)	13.7	62.19	N/A	26.08	Axle Load	-2.79	Axle Load
16.27(R)	13.7	62.11	N/A	26.08	Axle Load	-2.79	Axle Load
22.19(B)	18.7	53.61	N/A	24.16	Axle Load	-4.48	Axle Load
23.50(B)	19.7	51.74	N/A	23.71	Axle Load	-4.87	Axle Load
23.80(B)	20.0	51.31	N/A	23.61	Axle Load	-4.96	Axle Load
28.12(L)	23.6	45.11	N/A	22.11	Axle Load	-6.31	Axle Load
28.12(R)	23.6	45.03	N/A	22.11	Axle Load	-6.31	Axle Load
34.04(B)	28.6	36.53	N/A	19.99	Axle Load	-8.28	Axle Load
35.70(B)	30.0	34.15	N/A	19.39	Axle Load	-8.85	Axle Load
39.97(L)	33.6	28.03	N/A	17.83	Axle Load	-10.34	Axle Load
39.97(R)	33.6	27.95	N/A	17.83	Axle Load	-10.34	Axle Load
45.90(B)	38.6	19.45	N/A	15.66	Axle Load	-12.48	Axle Load
47.60(B)	40.0	17.00	N/A	15.03	Axle Load	-13.10	Axle Load
51.82(L)	43.5	10.95	N/A	13.51	Axle Load	-14.65	Axle Load
51.82(R)	43.5	10.87	N/A	13.51	Axle Load	-14.65	Axle Load
57.74(B)	48.5	2.37	N/A	11.41	Axle Load	-16.82	Axle Load
59.50(B)	50.0	-0.15	N/A	10.83	Axle Load	-17.52	Axle Load
63.67(L)	53.5	-6.13	N/A	9.43	Axle Load	-19.03	Axle Load
63.67(R)	53.5	-6.21	N/A	9.43	Axle Load	-19.03	Axle Load
69.60(B)	58.5	-14.71	N/A	7.60	Axle Load	-21.32	Axle Load
71.40(B)	60.0	-17.30	N/A	7.05	Axle Load	-21.94	Axle Load
75.52(L)	63.5	-23.21	N/A	5.85	Axle Load	-23.33	Axle Load
75.52(R)	63.5	-23.29	N/A	5.85	Axle Load	-23.33	Axle Load
81.44(B)	68.4	-31.79	N/A	4.32	Axle Load	-25.53	Axle Load
83.30(B)	70.0	-34.45	N/A	4.29	Axle Load	-26.10	Axle Load
87.37(L)	73.4	-40.29	N/A	4.29	Axle Load	-27.28	Axle Load
87.37(R)	73.4	-40.37	N/A	4.29	Axle Load	-27.28	Axle Load

93.29(B)	78.4	-48.87	N/A	4.35	Axle Load	-29.17	Axle Load
95.20(B)	80.0	-51.61	N/A	4.35	Axle Load	-29.63	Axle Load
95.50(B)	80.3	-52.04	N/A	4.35	Axle Load	-29.70	Axle Load
99.22(L)	83.4	-57.37	N/A	4.35	Axle Load	-30.51	Axle Load
99.22(R)	83.4	-57.45	N/A	4.35	Axle Load	-30.51	Axle Load
104.00(B)	87.4	-64.31	N/A	4.38	Axle Load	-31.60	Axle Load
105.14(B)	88.4	-66.04	N/A	4.38	Axle Load	-31.78	Axle Load
107.10(B)	90.0	-68.99	N/A	4.38	Axle Load	-32.08	Axle Load
111.07(L)	93.3	-74.98	N/A	4.38	Axle Load	-32.57	Axle Load
111.07(R)	93.3	-75.06	N/A	4.38	Axle Load	-32.57	Axle Load
115.03(B)	96.7	-81.04	N/A	4.43	Axle Load	-33.31	Axle Load
119.00(L)	100.0	-87.02	N/A	4.43	Axle Load	-33.55	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	33.55	Axle Load	-4.42	Axle Load
2.21(B)	1.9	83.71	N/A	31.54	Axle Load	-4.17	Axle Load
4.42(L)	3.7	80.37	N/A	31.38	Axle Load	-4.17	Axle Load
4.42(R)	3.7	80.29	N/A	31.38	Axle Load	-4.17	Axle Load
10.35(B)	8.7	71.36	N/A	30.81	Axle Load	-4.17	Axle Load
11.90(B)	10.0	69.01	N/A	30.62	Axle Load	-4.17	Axle Load
15.00(B)	12.6	64.33	N/A	30.16	Axle Load	-4.17	Axle Load
16.27(L)	13.7	62.51	N/A	29.95	Axle Load	-4.17	Axle Load
16.27(R)	13.7	62.43	N/A	29.95	Axle Load	-4.17	Axle Load
22.19(B)	18.7	53.93	N/A	28.84	Axle Load	-4.17	Axle Load
23.50(B)	19.7	52.06	N/A	28.56	Axle Load	-4.17	Axle Load
23.80(B)	20.0	51.63	N/A	28.50	Axle Load	-4.17	Axle Load
28.12(L)	23.6	45.43	N/A	27.47	Axle Load	-4.17	Axle Load
28.12(R)	23.6	45.35	N/A	27.47	Axle Load	-4.17	Axle Load
34.04(B)	28.6	36.85	N/A	25.90	Axle Load	-4.17	Axle Load
35.70(B)	30.0	34.48	N/A	25.42	Axle Load	-4.17	Axle Load
39.97(L)	33.6	28.35	N/A	24.13	Axle Load	-4.82	Axle Load
39.97(R)	33.6	28.27	N/A	24.13	Axle Load	-4.82	Axle Load
45.90(B)	38.6	19.77	N/A	22.23	Axle Load	-6.46	Axle Load
47.60(B)	40.0	17.32	N/A	21.66	Axle Load	-6.96	Axle Load
51.82(L)	43.5	11.27	N/A	20.20	Axle Load	-8.26	Axle Load
51.82(R)	43.5	11.19	N/A	20.20	Axle Load	-8.26	Axle Load
57.74(B)	48.5	2.69	N/A	18.09	Axle Load	-10.21	Axle Load
59.50(B)	50.0	0.17	N/A	17.52	Axle Load	-10.84	Axle Load
63.67(L)	53.5	-5.81	N/A	15.99	Axle Load	-12.29	Axle Load
63.67(R)	53.5	-5.89	N/A	15.99	Axle Load	-12.29	Axle Load

69.60(B)	58.5	-14.39	N/A	13.94	Axle Load	-14.57	Axle Load
71.40(B)	60.0	-16.98	N/A	13.27	Axle Load	-15.23	Axle Load
75.52(L)	63.5	-22.89	N/A	11.76	Axle Load	-16.76	Axle Load
75.52(R)	63.5	-22.97	N/A	11.76	Axle Load	-16.76	Axle Load
81.44(B)	68.4	-31.47	N/A	9.74	Axle Load	-19.21	Axle Load
83.30(B)	70.0	-34.13	N/A	9.08	Axle Load	-19.91	Axle Load
87.37(L)	73.4	-39.97	N/A	7.67	Axle Load	-21.42	Axle Load
87.37(R)	73.4	-40.05	N/A	7.67	Axle Load	-21.42	Axle Load
93.29(B)	78.4	-48.55	N/A	5.77	Axle Load	-23.87	Axle Load
95.20(B)	80.0	-51.28	N/A	5.16	Axle Load	-24.55	Axle Load
95.50(B)	80.3	-51.71	N/A	5.06	Axle Load	-24.66	Axle Load
99.22(L)	83.4	-57.05	N/A	3.93	Axle Load	-25.96	Axle Load
99.22(R)	83.4	-57.13	N/A	3.93	Axle Load	-25.96	Axle Load
105.14(B)	88.4	-65.63	N/A	2.26	Axle Load	-28.11	Axle Load
106.00(B)	89.1	-66.86	N/A	2.03	Axle Load	-28.38	Axle Load
107.10(B)	90.0	-68.52	N/A	1.73	Axle Load	-28.73	Axle Load
111.07(L)	93.3	-74.51	N/A	0.74	Axle Load	-29.93	Axle Load
111.07(R)	93.3	-74.59	N/A	0.74	Axle Load	-29.93	Axle Load
115.03(B)	96.7	-80.57	N/A	0.00	Axle Load	-31.41	Axle Load
119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-32.47	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	32.79	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	30.53	Axle Load	0.00	Axle Load
4.42(L)	4.6	81.60	N/A	30.09	Axle Load	0.00	Axle Load
4.42(R)	4.6	81.52	N/A	30.09	Axle Load	0.00	Axle Load
9.52(B)	10.0	73.82	N/A	29.01	Axle Load	-0.82	Axle Load
10.80(B)	11.3	71.90	N/A	28.72	Axle Load	-1.05	Axle Load
13.00(B)	13.6	68.57	N/A	28.20	Axle Load	-1.46	Axle Load
17.17(L)	18.0	62.59	N/A	27.16	Axle Load	-2.30	Axle Load
17.17(R)	18.0	62.51	N/A	27.16	Axle Load	-2.30	Axle Load
19.05(B)	20.0	59.81	N/A	26.66	Axle Load	-2.72	Axle Load
23.50(B)	24.7	53.43	N/A	25.43	Axle Load	-3.74	Axle Load
23.55(B)	24.7	53.37	N/A	25.42	Axle Load	-3.75	Axle Load
28.58(B)	30.0	46.15	N/A	23.91	Axle Load	-5.03	Axle Load
29.92(L)	31.4	44.22	N/A	23.49	Axle Load	-5.39	Axle Load
29.92(R)	31.4	44.14	N/A	23.49	Axle Load	-5.39	Axle Load
36.29(B)	38.1	34.99	N/A	21.42	Axle Load	-7.21	Axle Load
38.10(B)	40.0	32.40	N/A	20.81	Axle Load	-7.75	Axle Load
42.67(L)	44.8	25.85	N/A	19.21	Axle Load	-9.18	Axle Load

42.67(R)	44.8	25.77	N/A	19.21	Axle Load	-9.18	Axle Load
47.63(B)	50.0	18.66	N/A	17.46	Axle Load	-10.87	Axle Load
49.04(B)	51.5	16.62	N/A	16.93	Axle Load	-11.35	Axle Load
55.42(L)	58.2	7.48	N/A	14.61	Axle Load	-13.75	Axle Load
55.42(R)	58.2	7.40	N/A	14.61	Axle Load	-13.75	Axle Load
57.15(B)	60.0	4.92	N/A	13.93	Axle Load	-14.39	Axle Load
61.79(B)	64.9	-1.75	N/A	12.05	Axle Load	-16.15	Axle Load
66.68(B)	70.0	-8.75	N/A	10.16	Axle Load	-18.29	Axle Load
68.17(L)	71.6	-10.89	N/A	9.53	Axle Load	-18.90	Axle Load
68.17(R)	71.6	-10.97	N/A	9.53	Axle Load	-18.90	Axle Load
74.54(B)	78.3	-20.12	N/A	6.89	Axle Load	-21.78	Axle Load
76.20(B)	80.0	-22.49	N/A	6.16	Axle Load	-22.48	Axle Load
80.92(L)	85.0	-29.27	N/A	4.08	Axle Load	-24.51	Axle Load
80.92(R)	85.0	-29.35	N/A	4.08	Axle Load	-24.51	Axle Load
85.72(B)	90.0	-36.24	N/A	3.07	Axle Load	-26.92	Axle Load
87.29(B)	91.6	-38.49	N/A	3.07	Axle Load	-27.61	Axle Load
93.67(L)	98.3	-47.64	N/A	3.11	Axle Load	-30.82	Axle Load
93.67(R)	98.3	-47.72	N/A	3.11	Axle Load	-30.82	Axle Load
94.46(B)	99.2	-48.85	N/A	3.11	Axle Load	-31.18	Axle Load
95.25(L)	100.0	-49.98	N/A	3.11	Axle Load	-31.54	Axle Load

Note:

"N/A" indicates not applicable

***" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: OH-4F1
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	33.86	Axle Load	-3.42	Axle Load
2	174.81	N/A	39.46	Axle Load	0.00	Axle Load
3	174.06	N/A	39.45	Axle Load	-5.17	Axle Load
4	174.81	N/A	39.60	Axle Load	0.00	Axle Load
5	49.98	N/A	35.97	Axle Load	-3.63	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: OH-4F1
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	140.07	Axle Load	-15.12	Axle Load
8.85(L)	9.3	385.73	N/A	260.74	Axle Load	-30.24	Axle Load
8.85(R)	9.3	385.73	N/A	260.74	Axle Load	-30.24	Axle Load
9.52(B)	10.0	410.49	N/A	277.45	Axle Load	-32.55	Axle Load
15.32(B)	16.1	596.25	N/A	402.99	Axle Load	-52.37	Axle Load
19.05(B)	20.0	690.11	N/A	466.82	Axle Load	-65.10	Axle Load
21.80(L)	22.9	746.63	N/A	508.43	Axle Load	-74.50	Axle Load
21.80(R)	22.9	746.63	N/A	508.43	Axle Load	-74.50	Axle Load
28.28(B)	29.7	836.34	N/A	584.44	Axle Load	-96.62	Axle Load
28.58(B)	30.0	839.04	N/A	587.07	Axle Load	-97.65	Axle Load
34.75(L)	36.5	865.90	N/A	624.05	Axle Load	-118.75	Axle Load
34.75(R)	36.5	865.90	N/A	624.05	Axle Load	-118.75	Axle Load
38.10(B)	40.0	857.32	N/A	631.27	Axle Load	-130.20	Axle Load
41.22(B)	43.3	834.80	N/A	630.19	Axle Load	-140.88	Axle Load
47.63(B)	50.0	744.95	N/A	613.97	Axle Load	-162.75	Axle Load
47.70(L)	50.1	743.55	N/A	613.64	Axle Load	-163.00	Axle Load
47.70(R)	50.1	743.55	N/A	613.64	Axle Load	-163.00	Axle Load
54.17(B)	56.9	591.63	N/A	571.42	Axle Load	-185.13	Axle Load
57.15(B)	60.0	501.67	N/A	543.39	Axle Load	-195.30	Axle Load
60.65(L)	63.7	379.57	N/A	504.10	Axle Load	-207.26	Axle Load
60.65(R)	63.7	379.57	N/A	504.10	Axle Load	-207.26	Axle Load
66.68(B)	70.0	127.75	N/A	422.83	Axle Load	-227.84	Axle Load
67.13(B)	70.5	106.85	N/A	416.05	Axle Load	-229.38	Axle Load
71.75(B)	75.3	-124.78	N/A	342.61	Axle Load	-245.19	Axle Load
73.60(L)	77.3	-226.03	N/A	311.89	Axle Load	-251.51	Axle Load
73.60(R)	77.3	-226.03	N/A	311.89	Axle Load	-251.51	Axle Load
76.20(B)	80.0	-376.82	N/A	266.65	Axle Load	-260.39	Axle Load
80.07(B)	84.1	-619.56	N/A	197.20	Axle Load	-273.64	Axle Load
82.25(B)	86.4	-765.25	N/A	157.41	Axle Load	-281.07	Axle Load
85.72(B)	90.0	-1012.55	N/A	92.49	Axle Load	-292.94	Axle Load
86.55(L)	90.9	-1073.93	N/A	76.90	Axle Load	-295.76	Axle Load
86.55(R)	90.9	-1073.93	N/A	76.90	Axle Load	-295.76	Axle Load
90.90(B)	95.4	-1414.93	N/A	0.00	Axle Load	-310.63	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-378.20	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-378.20	Axle Load
2.21(B)	1.9	-1596.84	N/A	0.00	Axle Load	-367.42	Axle Load
4.42(L)	3.7	-1416.57	N/A	7.36	Axle Load	-356.64	Axle Load
4.42(R)	3.7	-1416.57	N/A	7.36	Axle Load	-356.64	Axle Load
10.35(B)	8.7	-970.10	N/A	121.03	Axle Load	-327.73	Axle Load
11.90(B)	10.0	-861.70	N/A	149.72	Axle Load	-320.14	Axle Load
13.00(B)	10.9	-787.22	N/A	169.58	Axle Load	-314.78	Axle Load
16.27(L)	13.7	-576.19	N/A	226.76	Axle Load	-298.82	Axle Load
16.27(R)	13.7	-576.19	N/A	226.76	Axle Load	-298.82	Axle Load
22.19(B)	18.7	-233.38	N/A	321.25	Axle Load	-269.91	Axle Load
23.50(B)	19.7	-164.64	N/A	340.31	Axle Load	-263.55	Axle Load
23.80(B)	20.0	-149.19	N/A	344.53	Axle Load	-262.08	Axle Load
28.12(L)	23.6	59.07	N/A	401.60	Axle Load	-241.01	Axle Load
28.12(R)	23.6	59.07	N/A	401.60	Axle Load	-241.01	Axle Load
34.04(B)	28.6	300.68	N/A	464.69	Axle Load	-212.10	Axle Load
35.70(B)	30.0	359.17	N/A	478.94	Axle Load	-204.02	Axle Load
39.97(L)	33.6	491.92	N/A	508.60	Axle Load	-183.19	Axle Load
39.97(R)	33.6	491.92	N/A	508.60	Axle Load	-183.19	Axle Load
45.90(B)	38.6	632.33	N/A	531.89	Axle Load	-154.28	Axle Load
47.60(B)	40.0	663.41	N/A	534.74	Axle Load	-145.96	Axle Load
51.82(L)	43.5	722.38	N/A	535.26	Axle Load	-125.37	Axle Load
51.82(R)	43.5	722.38	N/A	535.26	Axle Load	-125.37	Axle Load
57.74(B)	48.5	761.59	N/A	523.26	Axle Load	-96.47	Axle Load
59.50(B)	50.0	763.54	N/A	515.46	Axle Load	-87.90	Axle Load
63.67(L)	53.5	750.44	N/A	490.90	Axle Load	-67.56	Axle Load
63.67(R)	53.5	750.44	N/A	490.90	Axle Load	-67.56	Axle Load
69.60(B)	58.5	688.45	N/A	440.87	Axle Load	-38.65	Axle Load
71.40(B)	60.0	659.56	N/A	421.94	Axle Load	-29.84	Axle Load
75.52(L)	63.5	576.10	N/A	374.78	Axle Load	-9.74	Axle Load
75.52(R)	63.5	576.10	N/A	374.78	Axle Load	-9.74	Axle Load
81.44(B)	68.4	412.91	N/A	297.37	Axle Load	-16.68	Axle Load
83.30(B)	70.0	351.47	N/A	270.73	Axle Load	-32.48	Axle Load
87.37(L)	73.4	199.36	N/A	212.74	Axle Load	-80.07	Axle Load
87.37(R)	73.4	199.36	N/A	212.74	Axle Load	-80.07	Axle Load
93.29(B)	78.4	-65.03	N/A	138.20	Axle Load	-175.12	Axle Load
95.20(B)	80.0	-160.73	N/A	115.64	Axle Load	-210.87	Axle Load
95.50(B)	80.3	-176.28	N/A	112.24	Axle Load	-216.74	Axle Load
99.22(L)	83.4	-379.78	N/A	105.89	Axle Load	-293.55	Axle Load

99.22(R)	83.4	-379.78	N/A	105.89	Axle Load	-293.55	Axle Load
104.00(B)	87.4	-670.79	N/A	129.21	Axle Load	-401.65	Axle Load
105.14(B)	88.4	-745.42	N/A	134.80	Axle Load	-429.04	Axle Load
107.10(B)	90.0	-877.40	N/A	144.33	Axle Load	-476.87	Axle Load
111.07(L)	93.3	-1163.17	N/A	163.70	Axle Load	-578.26	Axle Load
111.07(R)	93.3	-1163.17	N/A	163.70	Axle Load	-578.26	Axle Load
115.03(B)	96.7	-1472.63	N/A	183.05	Axle Load	-683.68	Axle Load
119.00(L)	100.0	-1805.80	N/A	202.39	Axle Load	-793.29	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	202.27	Axle Load	-793.21	Axle Load
2.21(B)	1.9	-1617.10	N/A	191.49	Axle Load	-732.12	Axle Load
4.42(L)	3.7	-1435.79	N/A	180.72	Axle Load	-671.38	Axle Load
4.42(R)	3.7	-1435.79	N/A	180.72	Axle Load	-671.38	Axle Load
10.35(B)	8.7	-986.53	N/A	151.83	Axle Load	-515.95	Axle Load
11.90(B)	10.0	-877.39	N/A	144.24	Axle Load	-476.82	Axle Load
15.00(B)	12.6	-670.71	N/A	129.13	Axle Load	-401.45	Axle Load
16.27(L)	13.7	-590.16	N/A	122.94	Axle Load	-372.09	Axle Load
16.27(R)	13.7	-590.16	N/A	122.94	Axle Load	-372.09	Axle Load
22.19(B)	18.7	-245.44	N/A	98.28	Axle Load	-242.79	Axle Load
23.50(B)	19.7	-176.28	N/A	112.56	Axle Load	-216.81	Axle Load
23.80(B)	20.0	-160.73	N/A	115.80	Axle Load	-210.94	Axle Load
28.12(L)	23.6	48.92	N/A	167.75	Axle Load	-133.17	Axle Load
28.12(R)	23.6	48.92	N/A	167.75	Axle Load	-133.17	Axle Load
34.04(B)	28.6	292.44	N/A	247.22	Axle Load	-49.85	Axle Load
35.70(B)	30.0	351.47	N/A	270.99	Axle Load	-32.54	Axle Load
39.97(L)	33.6	485.60	N/A	330.04	Axle Load	-3.07	Axle Load
39.97(R)	33.6	485.60	N/A	330.04	Axle Load	-3.07	Axle Load
45.90(B)	38.6	627.93	N/A	403.35	Axle Load	-21.51	Axle Load
47.60(B)	40.0	659.55	N/A	422.09	Axle Load	-29.83	Axle Load
51.82(L)	43.5	719.89	N/A	463.25	Axle Load	-50.40	Axle Load
51.82(R)	43.5	719.89	N/A	463.25	Axle Load	-50.40	Axle Load
57.74(B)	48.5	761.01	N/A	506.35	Axle Load	-79.29	Axle Load
59.50(B)	50.0	763.53	N/A	515.54	Axle Load	-87.85	Axle Load
63.67(L)	53.5	751.77	N/A	530.57	Axle Load	-108.18	Axle Load
63.67(R)	53.5	751.77	N/A	530.57	Axle Load	-108.18	Axle Load
69.60(B)	58.5	691.70	N/A	536.10	Axle Load	-137.07	Axle Load
71.40(B)	60.0	663.39	N/A	534.65	Axle Load	-145.87	Axle Load
75.52(L)	63.5	581.26	N/A	524.83	Axle Load	-165.96	Axle Load
75.52(R)	63.5	581.26	N/A	524.83	Axle Load	-165.96	Axle Load

81.44(B)	68.4	419.98	N/A	493.26	Axle Load	-194.85	Axle Load
83.30(B)	70.0	359.14	N/A	478.79	Axle Load	-203.90	Axle Load
87.37(L)	73.4	208.34	N/A	441.10	Axle Load	-223.74	Axle Load
87.37(R)	73.4	208.34	N/A	441.10	Axle Load	-223.74	Axle Load
93.29(B)	78.4	-54.13	N/A	370.89	Axle Load	-252.63	Axle Load
95.20(B)	80.0	-149.22	N/A	344.30	Axle Load	-261.92	Axle Load
95.50(B)	80.3	-164.67	N/A	340.04	Axle Load	-263.38	Axle Load
99.22(L)	83.4	-366.97	N/A	284.11	Axle Load	-281.52	Axle Load
99.22(R)	83.4	-366.97	N/A	284.11	Axle Load	-281.52	Axle Load
105.14(B)	88.4	-730.64	N/A	185.10	Axle Load	-310.41	Axle Load
106.00(B)	89.1	-787.28	N/A	169.82	Axle Load	-314.58	Axle Load
107.10(B)	90.0	-861.74	N/A	149.55	Axle Load	-319.94	Axle Load
111.07(L)	93.3	-1145.63	N/A	74.95	Axle Load	-339.30	Axle Load
111.07(R)	93.3	-1145.63	N/A	74.95	Axle Load	-339.30	Axle Load
115.03(B)	96.7	-1453.22	N/A	0.00	Axle Load	-358.63	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-377.97	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-377.97	Axle Load
2.21(B)	2.3	-1593.15	N/A	0.00	Axle Load	-323.35	Axle Load
4.42(L)	4.6	-1409.13	N/A	0.00	Axle Load	-310.44	Axle Load
4.42(R)	4.6	-1409.13	N/A	0.00	Axle Load	-310.44	Axle Load
9.52(B)	10.0	-1012.64	N/A	92.60	Axle Load	-292.99	Axle Load
10.80(B)	11.3	-920.11	N/A	116.87	Axle Load	-288.65	Axle Load
13.00(B)	13.6	-765.24	N/A	157.41	Axle Load	-281.11	Axle Load
17.17(L)	18.0	-491.76	N/A	233.52	Axle Load	-266.86	Axle Load
17.17(R)	18.0	-491.76	N/A	233.52	Axle Load	-266.86	Axle Load
19.05(B)	20.0	-376.78	N/A	267.07	Axle Load	-260.44	Axle Load
23.50(B)	24.7	-124.81	N/A	342.70	Axle Load	-245.23	Axle Load
23.55(B)	24.7	-122.41	N/A	343.44	Axle Load	-245.07	Axle Load
28.58(B)	30.0	127.87	N/A	422.71	Axle Load	-227.88	Axle Load
29.92(L)	31.4	188.64	N/A	442.45	Axle Load	-223.29	Axle Load
29.92(R)	31.4	188.64	N/A	442.45	Axle Load	-223.29	Axle Load
36.29(B)	38.1	440.88	N/A	524.12	Axle Load	-201.50	Axle Load
38.10(B)	40.0	501.71	N/A	543.54	Axle Load	-195.33	Axle Load
42.67(L)	44.8	634.82	N/A	584.09	Axle Load	-179.71	Axle Load
42.67(R)	44.8	634.82	N/A	584.09	Axle Load	-179.71	Axle Load
47.63(B)	50.0	744.89	N/A	613.76	Axle Load	-162.77	Axle Load
49.04(B)	51.5	769.94	N/A	619.21	Axle Load	-157.92	Axle Load
55.42(L)	58.2	846.76	N/A	631.62	Axle Load	-136.13	Axle Load

55.42(R)	58.2	846.76	N/A	631.62	Axle Load	-136.13	Axle Load
57.15(B)	60.0	857.41	N/A	631.21	Axle Load	-130.22	Axle Load
61.79(B)	64.9	864.77	N/A	618.77	Axle Load	-114.34	Axle Load
66.68(B)	70.0	839.15	N/A	587.05	Axle Load	-97.66	Axle Load
68.17(L)	71.6	824.47	N/A	573.20	Axle Load	-92.55	Axle Load
68.17(R)	71.6	824.47	N/A	573.20	Axle Load	-92.55	Axle Load
74.54(B)	78.3	725.36	N/A	491.86	Axle Load	-70.77	Axle Load
76.20(B)	80.0	690.09	N/A	466.81	Axle Load	-65.11	Axle Load
80.92(L)	85.0	567.94	N/A	383.73	Axle Load	-48.98	Axle Load
80.92(R)	85.0	567.94	N/A	383.73	Axle Load	-48.98	Axle Load
85.72(B)	90.0	410.38	N/A	277.44	Axle Load	-32.55	Axle Load
87.29(B)	91.6	351.71	N/A	237.88	Axle Load	-27.19	Axle Load
93.67(L)	98.3	77.18	N/A	52.26	Axle Load	-5.40	Axle Load
93.67(R)	98.3	77.18	N/A	52.26	Axle Load	-5.40	Axle Load
94.46(B)	99.2	39.04	N/A	26.44	Axle Load	-2.70	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

*** indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: OH-4F1
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	33.86	Axle Load	-3.42	Axle Load
4.43(B)	4.6	43.59	N/A	31.65	Axle Load	-3.42	Axle Load
8.85(L)	9.3	37.24	N/A	29.46	Axle Load	-3.42	Axle Load
8.85(R)	9.3	37.16	N/A	29.46	Axle Load	-3.42	Axle Load
9.52(B)	10.0	36.19	N/A	29.13	Axle Load	-3.42	Axle Load
15.32(B)	16.1	27.87	N/A	26.30	Axle Load	-4.43	Axle Load
19.05(B)	20.0	22.52	N/A	24.51	Axle Load	-5.98	Axle Load
21.80(L)	22.9	18.58	N/A	23.20	Axle Load	-7.35	Axle Load
21.80(R)	22.9	18.50	N/A	23.20	Axle Load	-7.35	Axle Load

28.28(B)	29.7	9.21	N/A	20.20	Axle Load	-10.53	Axle Load
28.58(B)	30.0	8.78	N/A	20.06	Axle Load	-10.67	Axle Load
34.75(L)	36.5	-0.08	N/A	17.30	Axle Load	-13.64	Axle Load
34.75(R)	36.5	-0.16	N/A	17.30	Axle Load	-13.64	Axle Load
38.10(B)	40.0	-4.96	N/A	15.85	Axle Load	-15.21	Axle Load
41.22(B)	43.3	-9.45	N/A	14.54	Axle Load	-16.66	Axle Load
47.63(B)	50.0	-18.63	N/A	11.99	Axle Load	-19.60	Axle Load
47.70(L)	50.1	-18.74	N/A	11.97	Axle Load	-19.64	Axle Load
47.70(R)	50.1	-18.82	N/A	11.97	Axle Load	-19.64	Axle Load
54.17(B)	56.9	-28.11	N/A	9.60	Axle Load	-22.64	Axle Load
57.15(B)	60.0	-32.37	N/A	8.53	Axle Load	-23.90	Axle Load
60.65(L)	63.7	-37.40	N/A	7.33	Axle Load	-25.32	Axle Load
60.65(R)	63.7	-37.48	N/A	7.33	Axle Load	-25.32	Axle Load
66.68(B)	70.0	-46.12	N/A	5.46	Axle Load	-28.00	Axle Load
67.13(B)	70.5	-46.76	N/A	5.32	Axle Load	-28.17	Axle Load
71.75(B)	75.3	-53.40	N/A	4.02	Axle Load	-30.23	Axle Load
73.60(L)	77.3	-56.05	N/A	3.50	Axle Load	-30.89	Axle Load
73.60(R)	77.3	-56.13	N/A	3.50	Axle Load	-30.89	Axle Load
76.20(B)	80.0	-59.86	N/A	2.81	Axle Load	-31.78	Axle Load
80.07(B)	84.1	-65.42	N/A	1.86	Axle Load	-33.05	Axle Load
82.25(B)	86.4	-68.54	N/A	1.36	Axle Load	-33.95	Axle Load
85.72(B)	90.0	-73.79	N/A	0.61	Axle Load	-34.99	Axle Load
86.55(L)	90.9	-75.03	N/A	0.44	Axle Load	-35.22	Axle Load
86.55(R)	90.9	-75.11	N/A	0.44	Axle Load	-35.22	Axle Load
90.90(B)	95.4	-81.67	N/A	0.00	Axle Load	-36.78	Axle Load
95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-37.86	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	37.32	Axle Load	0.00	Axle Load
2.21(B)	1.9	83.24	N/A	34.69	Axle Load	0.00	Axle Load
4.42(L)	3.7	79.90	N/A	34.00	Axle Load	0.00	Axle Load
4.42(R)	3.7	79.82	N/A	34.00	Axle Load	0.00	Axle Load
10.35(B)	8.7	70.88	N/A	32.01	Axle Load	-0.99	Axle Load
11.90(B)	10.0	68.54	N/A	31.46	Axle Load	-1.42	Axle Load
13.00(B)	10.9	66.88	N/A	31.07	Axle Load	-1.73	Axle Load
16.27(L)	13.7	62.19	N/A	29.86	Axle Load	-2.70	Axle Load
16.27(R)	13.7	62.11	N/A	29.86	Axle Load	-2.70	Axle Load
22.19(B)	18.7	53.61	N/A	27.55	Axle Load	-4.61	Axle Load
23.50(B)	19.7	51.74	N/A	27.02	Axle Load	-5.06	Axle Load
23.80(B)	20.0	51.31	N/A	26.90	Axle Load	-5.16	Axle Load

28.12(L)	23.6	45.11	N/A	25.12	Axle Load	-6.70	Axle Load
28.12(R)	23.6	45.03	N/A	25.12	Axle Load	-6.70	Axle Load
34.04(B)	28.6	36.53	N/A	22.62	Axle Load	-8.96	Axle Load
35.70(B)	30.0	34.15	N/A	21.91	Axle Load	-9.61	Axle Load
39.97(L)	33.6	28.03	N/A	20.08	Axle Load	-11.34	Axle Load
39.97(R)	33.6	27.95	N/A	20.08	Axle Load	-11.34	Axle Load
45.90(B)	38.6	19.45	N/A	17.54	Axle Load	-13.81	Axle Load
47.60(B)	40.0	17.00	N/A	16.81	Axle Load	-14.54	Axle Load
51.82(L)	43.5	10.95	N/A	15.03	Axle Load	-16.35	Axle Load
51.82(R)	43.5	10.87	N/A	15.03	Axle Load	-16.35	Axle Load
57.74(B)	48.5	2.37	N/A	12.61	Axle Load	-18.89	Axle Load
59.50(B)	50.0	-0.15	N/A	11.95	Axle Load	-19.71	Axle Load
63.67(L)	53.5	-6.13	N/A	10.33	Axle Load	-21.49	Axle Load
63.67(R)	53.5	-6.21	N/A	10.33	Axle Load	-21.49	Axle Load
69.60(B)	58.5	-14.71	N/A	8.25	Axle Load	-24.19	Axle Load
71.40(B)	60.0	-17.30	N/A	7.62	Axle Load	-24.94	Axle Load
75.52(L)	63.5	-23.21	N/A	6.25	Axle Load	-26.59	Axle Load
75.52(R)	63.5	-23.29	N/A	6.25	Axle Load	-26.59	Axle Load
81.44(B)	68.4	-31.79	N/A	5.01	Axle Load	-29.22	Axle Load
83.30(B)	70.0	-34.45	N/A	5.01	Axle Load	-29.90	Axle Load
87.37(L)	73.4	-40.29	N/A	5.01	Axle Load	-31.32	Axle Load
87.37(R)	73.4	-40.37	N/A	5.01	Axle Load	-31.32	Axle Load
93.29(B)	78.4	-48.87	N/A	5.07	Axle Load	-33.63	Axle Load
95.20(B)	80.0	-51.61	N/A	5.07	Axle Load	-34.19	Axle Load
95.50(B)	80.3	-52.04	N/A	5.07	Axle Load	-34.27	Axle Load
99.22(L)	83.4	-57.37	N/A	5.07	Axle Load	-35.27	Axle Load
99.22(R)	83.4	-57.45	N/A	5.07	Axle Load	-35.27	Axle Load
104.00(B)	87.4	-64.31	N/A	5.11	Axle Load	-36.65	Axle Load
105.14(B)	88.4	-66.04	N/A	5.11	Axle Load	-36.88	Axle Load
107.10(B)	90.0	-68.99	N/A	5.11	Axle Load	-37.26	Axle Load
111.07(L)	93.3	-74.98	N/A	5.11	Axle Load	-37.91	Axle Load
111.07(R)	93.3	-75.06	N/A	5.11	Axle Load	-37.91	Axle Load
115.03(B)	96.7	-81.04	N/A	5.17	Axle Load	-38.85	Axle Load
119.00(L)	100.0	-87.02	N/A	5.17	Axle Load	-39.20	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	39.19	Axle Load	-5.17	Axle Load
2.21(B)	1.9	83.71	N/A	36.81	Axle Load	-4.88	Axle Load
4.42(L)	3.7	80.37	N/A	36.61	Axle Load	-4.88	Axle Load
4.42(R)	3.7	80.29	N/A	36.61	Axle Load	-4.88	Axle Load

10.35(B)	8.7	71.36	N/A	35.81	Axle Load	-4.88	Axle Load
11.90(B)	10.0	69.01	N/A	35.55	Axle Load	-4.88	Axle Load
15.00(B)	12.6	64.33	N/A	34.97	Axle Load	-4.88	Axle Load
16.27(L)	13.7	62.51	N/A	34.71	Axle Load	-4.88	Axle Load
16.27(R)	13.7	62.43	N/A	34.71	Axle Load	-4.88	Axle Load
22.19(B)	18.7	53.93	N/A	33.30	Axle Load	-4.88	Axle Load
23.50(B)	19.7	52.06	N/A	32.95	Axle Load	-4.88	Axle Load
23.80(B)	20.0	51.63	N/A	32.87	Axle Load	-4.88	Axle Load
28.12(L)	23.6	45.43	N/A	31.62	Axle Load	-4.88	Axle Load
28.12(R)	23.6	45.35	N/A	31.62	Axle Load	-4.88	Axle Load
34.04(B)	28.6	36.85	N/A	29.70	Axle Load	-4.88	Axle Load
35.70(B)	30.0	34.48	N/A	29.12	Axle Load	-4.88	Axle Load
39.97(L)	33.6	28.35	N/A	27.58	Axle Load	-5.12	Axle Load
39.97(R)	33.6	28.27	N/A	27.58	Axle Load	-5.12	Axle Load
45.90(B)	38.6	19.77	N/A	25.29	Axle Load	-6.95	Axle Load
47.60(B)	40.0	17.32	N/A	24.61	Axle Load	-7.52	Axle Load
51.82(L)	43.5	11.27	N/A	22.88	Axle Load	-9.00	Axle Load
51.82(R)	43.5	11.19	N/A	22.88	Axle Load	-9.00	Axle Load
57.74(B)	48.5	2.69	N/A	20.39	Axle Load	-11.22	Axle Load
59.50(B)	50.0	0.17	N/A	19.71	Axle Load	-11.95	Axle Load
63.67(L)	53.5	-5.81	N/A	17.91	Axle Load	-13.63	Axle Load
63.67(R)	53.5	-5.89	N/A	17.91	Axle Load	-13.63	Axle Load
69.60(B)	58.5	-14.39	N/A	15.51	Axle Load	-16.26	Axle Load
71.40(B)	60.0	-16.98	N/A	14.74	Axle Load	-17.04	Axle Load
75.52(L)	63.5	-22.89	N/A	12.97	Axle Load	-18.82	Axle Load
75.52(R)	63.5	-22.97	N/A	12.97	Axle Load	-18.82	Axle Load
81.44(B)	68.4	-31.47	N/A	10.63	Axle Load	-21.68	Axle Load
83.30(B)	70.0	-34.13	N/A	9.87	Axle Load	-22.50	Axle Load
87.37(L)	73.4	-39.97	N/A	8.23	Axle Load	-24.28	Axle Load
87.37(R)	73.4	-40.05	N/A	8.23	Axle Load	-24.28	Axle Load
93.29(B)	78.4	-48.55	N/A	6.06	Axle Load	-27.17	Axle Load
95.20(B)	80.0	-51.28	N/A	5.36	Axle Load	-27.98	Axle Load
95.50(B)	80.3	-51.71	N/A	5.26	Axle Load	-28.10	Axle Load
99.22(L)	83.4	-57.05	N/A	3.96	Axle Load	-29.65	Axle Load
99.22(R)	83.4	-57.13	N/A	3.96	Axle Load	-29.65	Axle Load
105.14(B)	88.4	-65.63	N/A	2.07	Axle Load	-32.22	Axle Load
106.00(B)	89.1	-66.86	N/A	1.81	Axle Load	-32.55	Axle Load
107.10(B)	90.0	-68.52	N/A	1.48	Axle Load	-32.97	Axle Load
111.07(L)	93.3	-74.51	N/A	0.36	Axle Load	-34.41	Axle Load
111.07(R)	93.3	-74.59	N/A	0.36	Axle Load	-34.41	Axle Load
115.03(B)	96.7	-80.57	N/A	0.00	Axle Load	-36.19	Axle Load
119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-37.47	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	38.00	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	35.35	Axle Load	0.00	Axle Load
4.42(L)	4.6	81.60	N/A	34.82	Axle Load	0.00	Axle Load
4.42(R)	4.6	81.52	N/A	34.82	Axle Load	0.00	Axle Load
9.52(B)	10.0	73.82	N/A	33.49	Axle Load	-0.58	Axle Load
10.80(B)	11.3	71.90	N/A	33.14	Axle Load	-0.84	Axle Load
13.00(B)	13.6	68.57	N/A	32.50	Axle Load	-1.30	Axle Load
17.17(L)	18.0	62.59	N/A	31.23	Axle Load	-2.25	Axle Load
17.17(R)	18.0	62.51	N/A	31.23	Axle Load	-2.25	Axle Load
19.05(B)	20.0	59.81	N/A	30.64	Axle Load	-2.71	Axle Load
23.50(B)	24.7	53.43	N/A	29.14	Axle Load	-3.88	Axle Load
23.55(B)	24.7	53.37	N/A	29.12	Axle Load	-3.89	Axle Load
28.58(B)	30.0	46.15	N/A	27.32	Axle Load	-5.33	Axle Load
29.92(L)	31.4	44.22	N/A	26.82	Axle Load	-5.74	Axle Load
29.92(R)	31.4	44.14	N/A	26.82	Axle Load	-5.74	Axle Load
36.29(B)	38.1	34.99	N/A	24.33	Axle Load	-7.81	Axle Load
38.10(B)	40.0	32.40	N/A	23.60	Axle Load	-8.43	Axle Load
42.67(L)	44.8	25.85	N/A	21.69	Axle Load	-10.07	Axle Load
42.67(R)	44.8	25.77	N/A	21.69	Axle Load	-10.07	Axle Load
47.63(B)	50.0	18.66	N/A	19.61	Axle Load	-11.99	Axle Load
49.04(B)	51.5	16.62	N/A	18.98	Axle Load	-12.56	Axle Load
55.42(L)	58.2	7.48	N/A	16.22	Axle Load	-15.31	Axle Load
55.42(R)	58.2	7.40	N/A	16.22	Axle Load	-15.31	Axle Load
57.15(B)	60.0	4.92	N/A	15.40	Axle Load	-16.05	Axle Load
61.79(B)	64.9	-1.75	N/A	13.18	Axle Load	-18.09	Axle Load
66.68(B)	70.0	-8.75	N/A	10.94	Axle Load	-20.56	Axle Load
68.17(L)	71.6	-10.89	N/A	10.19	Axle Load	-21.26	Axle Load
68.17(R)	71.6	-10.97	N/A	10.19	Axle Load	-21.26	Axle Load
74.54(B)	78.3	-20.12	N/A	7.06	Axle Load	-24.60	Axle Load
76.20(B)	80.0	-22.49	N/A	6.21	Axle Load	-25.42	Axle Load
80.92(L)	85.0	-29.27	N/A	4.19	Axle Load	-27.78	Axle Load
80.92(R)	85.0	-29.35	N/A	4.19	Axle Load	-27.78	Axle Load
85.72(B)	90.0	-36.24	N/A	3.59	Axle Load	-30.58	Axle Load
87.29(B)	91.6	-38.49	N/A	3.59	Axle Load	-31.39	Axle Load
93.67(L)	98.3	-47.64	N/A	3.63	Axle Load	-35.13	Axle Load
93.67(R)	98.3	-47.72	N/A	3.63	Axle Load	-35.13	Axle Load
94.46(B)	99.2	-48.85	N/A	3.63	Axle Load	-35.55	Axle Load
95.25(L)	100.0	-49.98	N/A	3.63	Axle Load	-35.97	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: OH-5C1
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	38.12	Axle Load	-4.24	Axle Load
2	174.81	N/A	55.35	Axle Load	0.00	Axle Load
3	174.06	N/A	55.93	Axle Load	-6.36	Axle Load
4	174.81	N/A	55.55	Axle Load	0.00	Axle Load
5	49.98	N/A	40.50	Axle Load	-4.51	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: OH-5C1
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	155.25	Axle Load	-18.78	Axle Load
8.85(L)	9.3	385.73	N/A	284.15	Axle Load	-37.55	Axle Load
8.85(R)	9.3	385.73	N/A	284.15	Axle Load	-37.55	Axle Load
9.52(B)	10.0	410.49	N/A	301.57	Axle Load	-40.42	Axle Load
15.32(B)	16.1	596.25	N/A	427.28	Axle Load	-65.03	Axle Load
19.05(B)	20.0	690.11	N/A	502.94	Axle Load	-80.83	Axle Load
21.80(L)	22.9	746.63	N/A	550.56	Axle Load	-92.50	Axle Load
21.80(R)	22.9	746.63	N/A	550.56	Axle Load	-92.50	Axle Load
28.28(B)	29.7	836.34	N/A	627.12	Axle Load	-119.98	Axle Load
28.58(B)	30.0	839.04	N/A	629.53	Axle Load	-121.25	Axle Load
34.75(L)	36.5	865.90	N/A	660.10	Axle Load	-147.45	Axle Load

34.75(R)	36.5	865.90	N/A	660.10	Axle Load	-147.45	Axle Load
38.10(B)	40.0	857.32	N/A	664.03	Axle Load	-161.67	Axle Load
41.22(B)	43.3	834.80	N/A	657.79	Axle Load	-174.93	Axle Load
47.63(B)	50.0	744.95	N/A	633.25	Axle Load	-202.08	Axle Load
47.70(L)	50.1	743.55	N/A	633.15	Axle Load	-202.40	Axle Load
47.70(R)	50.1	743.55	N/A	633.15	Axle Load	-202.40	Axle Load
54.17(B)	56.9	591.63	N/A	601.11	Axle Load	-229.88	Axle Load
57.15(B)	60.0	501.67	N/A	572.34	Axle Load	-242.50	Axle Load
60.65(L)	63.7	379.57	N/A	531.97	Axle Load	-257.35	Axle Load
60.65(R)	63.7	379.57	N/A	531.97	Axle Load	-257.35	Axle Load
66.68(B)	70.0	127.75	N/A	438.30	Axle Load	-282.92	Axle Load
67.13(B)	70.5	106.85	N/A	430.03	Axle Load	-284.82	Axle Load
71.75(B)	75.3	-124.78	N/A	336.69	Axle Load	-304.45	Axle Load
73.60(L)	77.3	-226.03	N/A	295.22	Axle Load	-312.30	Axle Load
73.60(R)	77.3	-226.03	N/A	295.22	Axle Load	-312.30	Axle Load
76.20(B)	80.0	-376.82	N/A	233.51	Axle Load	-323.33	Axle Load
80.07(B)	84.1	-619.56	N/A	135.28	Axle Load	-339.77	Axle Load
82.25(B)	86.4	-765.25	N/A	77.27	Axle Load	-349.00	Axle Load
85.72(B)	90.0	-1012.55	N/A	0.00	Axle Load	-363.75	Axle Load
86.55(L)	90.9	-1073.93	N/A	0.00	Axle Load	-367.25	Axle Load
86.55(R)	90.9	-1073.93	N/A	0.00	Axle Load	-367.25	Axle Load
90.90(B)	95.4	-1414.93	N/A	0.00	Axle Load	-385.71	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-464.79	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-464.79	Axle Load
2.21(B)	1.9	-1596.84	N/A	0.00	Axle Load	-451.53	Axle Load
4.42(L)	3.7	-1416.57	N/A	0.00	Axle Load	-438.28	Axle Load
4.42(R)	3.7	-1416.57	N/A	0.00	Axle Load	-438.28	Axle Load
10.35(B)	8.7	-970.10	N/A	27.24	Axle Load	-402.76	Axle Load
11.90(B)	10.0	-861.70	N/A	67.51	Axle Load	-393.43	Axle Load
13.00(B)	10.9	-787.22	N/A	95.70	Axle Load	-386.84	Axle Load
16.27(L)	13.7	-576.19	N/A	175.39	Axle Load	-367.23	Axle Load
16.27(R)	13.7	-576.19	N/A	175.39	Axle Load	-367.23	Axle Load
22.19(B)	18.7	-233.38	N/A	301.41	Axle Load	-331.71	Axle Load
23.50(B)	19.7	-164.64	N/A	325.73	Axle Load	-323.88	Axle Load
23.80(B)	20.0	-149.19	N/A	331.12	Axle Load	-322.08	Axle Load
28.12(L)	23.6	59.07	N/A	403.14	Axle Load	-296.18	Axle Load
28.12(R)	23.6	59.07	N/A	403.14	Axle Load	-296.18	Axle Load
34.04(B)	28.6	300.68	N/A	477.77	Axle Load	-260.65	Axle Load

35.70(B)	30.0	359.17	N/A	493.47	Axle Load	-250.73	Axle Load
39.97(L)	33.6	491.92	N/A	525.95	Axle Load	-225.13	Axle Load
39.97(R)	33.6	491.92	N/A	525.95	Axle Load	-225.13	Axle Load
45.90(B)	38.6	632.33	N/A	551.13	Axle Load	-189.60	Axle Load
47.60(B)	40.0	663.41	N/A	553.22	Axle Load	-179.38	Axle Load
51.82(L)	43.5	722.38	N/A	548.10	Axle Load	-154.08	Axle Load
51.82(R)	43.5	722.38	N/A	548.10	Axle Load	-154.08	Axle Load
57.74(B)	48.5	761.59	N/A	541.05	Axle Load	-118.55	Axle Load
59.50(B)	50.0	763.54	N/A	533.62	Axle Load	-108.03	Axle Load
63.67(L)	53.5	750.44	N/A	507.92	Axle Load	-83.03	Axle Load
63.67(R)	53.5	750.44	N/A	507.92	Axle Load	-83.03	Axle Load
69.60(B)	58.5	688.45	N/A	450.15	Axle Load	-47.50	Axle Load
71.40(B)	60.0	659.56	N/A	427.94	Axle Load	-36.68	Axle Load
75.52(L)	63.5	576.10	N/A	368.23	Axle Load	-11.97	Axle Load
75.52(R)	63.5	576.10	N/A	368.23	Axle Load	-11.97	Axle Load
81.44(B)	68.4	412.91	N/A	265.43	Axle Load	-6.85	Axle Load
83.30(B)	70.0	351.47	N/A	236.59	Axle Load	-21.50	Axle Load
87.37(L)	73.4	199.36	N/A	187.64	Axle Load	-75.31	Axle Load
87.37(R)	73.4	199.36	N/A	187.64	Axle Load	-75.31	Axle Load
93.29(B)	78.4	-65.03	N/A	115.10	Axle Load	-194.75	Axle Load
95.20(B)	80.0	-160.73	N/A	106.03	Axle Load	-241.15	Axle Load
95.50(B)	80.3	-176.28	N/A	107.83	Axle Load	-248.85	Axle Load
99.22(L)	83.4	-379.78	N/A	130.13	Axle Load	-349.07	Axle Load
99.22(R)	83.4	-379.78	N/A	130.13	Axle Load	-349.07	Axle Load
104.00(B)	87.4	-670.79	N/A	158.79	Axle Load	-494.25	Axle Load
105.14(B)	88.4	-745.42	N/A	165.66	Axle Load	-531.23	Axle Load
107.10(B)	90.0	-877.40	N/A	177.38	Axle Load	-596.42	Axle Load
111.07(L)	93.3	-1163.17	N/A	201.18	Axle Load	-731.68	Axle Load
111.07(R)	93.3	-1163.17	N/A	201.18	Axle Load	-731.68	Axle Load
115.03(B)	96.7	-1472.63	N/A	224.96	Axle Load	-876.34	Axle Load
119.00(L)	100.0	-1805.80	N/A	248.73	Axle Load	-1025.89	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	248.97	Axle Load	-1026.77	Axle Load
2.21(B)	1.9	-1617.10	N/A	235.71	Axle Load	-942.79	Axle Load
4.42(L)	3.7	-1435.79	N/A	222.45	Axle Load	-859.38	Axle Load
4.42(R)	3.7	-1435.79	N/A	222.45	Axle Load	-859.38	Axle Load
10.35(B)	8.7	-986.53	N/A	186.88	Axle Load	-647.73	Axle Load
11.90(B)	10.0	-877.39	N/A	177.55	Axle Load	-594.92	Axle Load
15.00(B)	12.6	-670.71	N/A	158.95	Axle Load	-494.93	Axle Load

16.27(L)	13.7	-590.16	N/A	151.32	Axle Load	-455.17	Axle Load
16.27(R)	13.7	-590.16	N/A	151.32	Axle Load	-455.17	Axle Load
22.19(B)	18.7	-245.44	N/A	115.76	Axle Load	-282.41	Axle Load
23.50(B)	19.7	-176.28	N/A	107.93	Axle Load	-249.02	Axle Load
23.80(B)	20.0	-160.73	N/A	106.13	Axle Load	-241.47	Axle Load
28.12(L)	23.6	48.92	N/A	144.05	Axle Load	-140.74	Axle Load
28.12(R)	23.6	48.92	N/A	144.05	Axle Load	-140.74	Axle Load
34.04(B)	28.6	292.44	N/A	217.06	Axle Load	-40.01	Axle Load
35.70(B)	30.0	351.47	N/A	237.18	Axle Load	-21.49	Axle Load
39.97(L)	33.6	485.60	N/A	310.00	Axle Load	0.00	Axle Load
39.97(R)	33.6	485.60	N/A	310.00	Axle Load	0.00	Axle Load
45.90(B)	38.6	627.93	N/A	404.56	Axle Load	-26.48	Axle Load
47.60(B)	40.0	659.55	N/A	427.32	Axle Load	-36.71	Axle Load
51.82(L)	43.5	719.89	N/A	476.30	Axle Load	-62.04	Axle Load
51.82(R)	43.5	719.89	N/A	476.30	Axle Load	-62.04	Axle Load
57.74(B)	48.5	761.01	N/A	524.86	Axle Load	-97.60	Axle Load
59.50(B)	50.0	763.53	N/A	534.46	Axle Load	-108.13	Axle Load
63.67(L)	53.5	751.77	N/A	546.52	Axle Load	-133.16	Axle Load
63.67(R)	53.5	751.77	N/A	546.52	Axle Load	-133.16	Axle Load
69.60(B)	58.5	691.70	N/A	552.46	Axle Load	-168.72	Axle Load
71.40(B)	60.0	663.39	N/A	552.44	Axle Load	-179.56	Axle Load
75.52(L)	63.5	581.26	N/A	544.47	Axle Load	-204.28	Axle Load
75.52(R)	63.5	581.26	N/A	544.47	Axle Load	-204.28	Axle Load
81.44(B)	68.4	419.98	N/A	509.31	Axle Load	-239.84	Axle Load
83.30(B)	70.0	359.14	N/A	493.97	Axle Load	-250.98	Axle Load
87.37(L)	73.4	208.34	N/A	450.31	Axle Load	-275.40	Axle Load
87.37(R)	73.4	208.34	N/A	450.31	Axle Load	-275.40	Axle Load
93.29(B)	78.4	-54.13	N/A	364.85	Axle Load	-310.97	Axle Load
95.20(B)	80.0	-149.22	N/A	331.67	Axle Load	-322.40	Axle Load
95.50(B)	80.3	-164.67	N/A	326.20	Axle Load	-324.20	Axle Load
99.22(L)	83.4	-366.97	N/A	252.42	Axle Load	-346.53	Axle Load
99.22(R)	83.4	-366.97	N/A	252.42	Axle Load	-346.53	Axle Load
105.14(B)	88.4	-730.64	N/A	117.64	Axle Load	-382.09	Axle Load
106.00(B)	89.1	-787.28	N/A	96.38	Axle Load	-387.22	Axle Load
107.10(B)	90.0	-861.74	N/A	68.20	Axle Load	-393.82	Axle Load
111.07(L)	93.3	-1145.63	N/A	0.00	Axle Load	-417.65	Axle Load
111.07(R)	93.3	-1145.63	N/A	0.00	Axle Load	-417.65	Axle Load
115.03(B)	96.7	-1453.22	N/A	0.00	Axle Load	-441.44	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-465.24	Axle Load

Span 4

DC	DW	+(LL+I)		-(LL+I)	
(kip-ft)	(kip-ft)	(kip-ft)	Controlling	(kip-ft)	Controlling
			Live Load		Live Load

Location (ft)	Percent						
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-465.24	Axle Load
2.21(B)	2.3	-1593.15	N/A	0.00	Axle Load	-395.11	Axle Load
4.42(L)	4.6	-1409.13	N/A	0.00	Axle Load	-385.72	Axle Load
4.42(R)	4.6	-1409.13	N/A	0.00	Axle Load	-385.72	Axle Load
9.52(B)	10.0	-1012.64	N/A	0.00	Axle Load	-364.04	Axle Load
10.80(B)	11.3	-920.11	N/A	16.30	Axle Load	-358.65	Axle Load
13.00(B)	13.6	-765.24	N/A	76.90	Axle Load	-349.29	Axle Load
17.17(L)	18.0	-491.76	N/A	187.23	Axle Load	-331.58	Axle Load
17.17(R)	18.0	-491.76	N/A	187.23	Axle Load	-331.58	Axle Load
19.05(B)	20.0	-376.78	N/A	233.96	Axle Load	-323.59	Axle Load
23.50(B)	24.7	-124.81	N/A	336.63	Axle Load	-304.70	Axle Load
23.55(B)	24.7	-122.41	N/A	337.60	Axle Load	-304.51	Axle Load
28.58(B)	30.0	127.87	N/A	438.17	Axle Load	-283.15	Axle Load
29.92(L)	31.4	188.64	N/A	461.79	Axle Load	-277.43	Axle Load
29.92(R)	31.4	188.64	N/A	461.79	Axle Load	-277.43	Axle Load
36.29(B)	38.1	440.88	N/A	552.96	Axle Load	-250.36	Axle Load
38.10(B)	40.0	501.71	N/A	572.73	Axle Load	-242.70	Axle Load
42.67(L)	44.8	634.82	N/A	612.99	Axle Load	-223.29	Axle Load
42.67(R)	44.8	634.82	N/A	612.99	Axle Load	-223.29	Axle Load
47.63(B)	50.0	744.89	N/A	633.04	Axle Load	-202.25	Axle Load
49.04(B)	51.5	769.94	N/A	633.95	Axle Load	-196.22	Axle Load
55.42(L)	58.2	846.76	N/A	661.96	Axle Load	-169.14	Axle Load
55.42(R)	58.2	846.76	N/A	661.96	Axle Load	-169.14	Axle Load
57.15(B)	60.0	857.41	N/A	664.21	Axle Load	-161.80	Axle Load
61.79(B)	64.9	864.77	N/A	655.37	Axle Load	-142.07	Axle Load
66.68(B)	70.0	839.15	N/A	629.50	Axle Load	-121.35	Axle Load
68.17(L)	71.6	824.47	N/A	616.64	Axle Load	-115.00	Axle Load
68.17(R)	71.6	824.47	N/A	616.64	Axle Load	-115.00	Axle Load
74.54(B)	78.3	725.36	N/A	532.81	Axle Load	-87.93	Axle Load
76.20(B)	80.0	690.09	N/A	502.98	Axle Load	-80.90	Axle Load
80.92(L)	85.0	567.94	N/A	408.66	Axle Load	-60.85	Axle Load
80.92(R)	85.0	567.94	N/A	408.66	Axle Load	-60.85	Axle Load
85.72(B)	90.0	410.38	N/A	301.58	Axle Load	-40.45	Axle Load
87.29(B)	91.6	351.71	N/A	260.15	Axle Load	-33.78	Axle Load
93.67(L)	98.3	77.18	N/A	58.51	Axle Load	-6.71	Axle Load
93.67(R)	98.3	77.18	N/A	58.51	Axle Load	-6.71	Axle Load
94.46(B)	99.2	39.04	N/A	29.68	Axle Load	-3.35	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

***" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: OH-5C1
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	38.12	Axle Load	-4.24	Axle Load
4.43(B)	4.6	43.59	N/A	35.09	Axle Load	-4.24	Axle Load
8.85(L)	9.3	37.24	N/A	32.11	Axle Load	-4.24	Axle Load
8.85(R)	9.3	37.16	N/A	32.11	Axle Load	-4.24	Axle Load
9.52(B)	10.0	36.19	N/A	31.66	Axle Load	-4.24	Axle Load
15.32(B)	16.1	27.87	N/A	27.88	Axle Load	-4.21	Axle Load
19.05(B)	20.0	22.52	N/A	25.53	Axle Load	-5.38	Axle Load
21.80(L)	22.9	18.58	N/A	23.84	Axle Load	-6.23	Axle Load
21.80(R)	22.9	18.50	N/A	23.84	Axle Load	-6.23	Axle Load
28.28(B)	29.7	9.21	N/A	20.01	Axle Load	-8.20	Axle Load
28.58(B)	30.0	8.78	N/A	19.84	Axle Load	-8.29	Axle Load
34.75(L)	36.5	-0.08	N/A	16.42	Axle Load	-10.30	Axle Load
34.75(R)	36.5	-0.16	N/A	16.42	Axle Load	-10.30	Axle Load
38.10(B)	40.0	-4.96	N/A	14.67	Axle Load	-11.66	Axle Load
41.22(B)	43.3	-9.45	N/A	13.09	Axle Load	-13.32	Axle Load
47.63(B)	50.0	-18.63	N/A	10.11	Axle Load	-17.16	Axle Load
47.70(L)	50.1	-18.74	N/A	10.08	Axle Load	-17.20	Axle Load
47.70(R)	50.1	-18.82	N/A	10.08	Axle Load	-17.20	Axle Load
54.17(B)	56.9	-28.11	N/A	7.38	Axle Load	-21.48	Axle Load
57.15(B)	60.0	-32.37	N/A	6.18	Axle Load	-23.51	Axle Load
60.65(L)	63.7	-37.40	N/A	4.87	Axle Load	-25.84	Axle Load
60.65(R)	63.7	-37.48	N/A	4.87	Axle Load	-25.84	Axle Load
66.68(B)	70.0	-46.12	N/A	2.86	Axle Load	-30.10	Axle Load
67.13(B)	70.5	-46.76	N/A	2.71	Axle Load	-30.39	Axle Load
71.75(B)	75.3	-53.40	N/A	1.33	Axle Load	-33.70	Axle Load
73.60(L)	77.3	-56.05	N/A	0.82	Axle Load	-34.85	Axle Load
73.60(R)	77.3	-56.13	N/A	0.82	Axle Load	-34.85	Axle Load
76.20(B)	80.0	-59.86	N/A	0.15	Axle Load	-36.43	Axle Load
80.07(B)	84.1	-65.42	N/A	0.00	Axle Load	-38.69	Axle Load

82.25(B)	86.4	-68.54	N/A	0.00	Axle Load	-40.20	Axle Load
85.72(B)	90.0	-73.79	N/A	0.00	Axle Load	-42.13	Axle Load
86.55(L)	90.9	-75.03	N/A	0.00	Axle Load	-42.57	Axle Load
86.55(R)	90.9	-75.11	N/A	0.00	Axle Load	-42.57	Axle Load
90.90(B)	95.4	-81.67	N/A	0.00	Axle Load	-45.32	Axle Load
95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-47.49	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	45.07	Axle Load	0.00	Axle Load
2.21(B)	1.9	83.24	N/A	41.50	Axle Load	0.00	Axle Load
4.42(L)	3.7	79.90	N/A	40.29	Axle Load	0.00	Axle Load
4.42(R)	3.7	79.82	N/A	40.29	Axle Load	0.00	Axle Load
10.35(B)	8.7	70.88	N/A	36.98	Axle Load	0.00	Axle Load
11.90(B)	10.0	68.54	N/A	36.09	Axle Load	0.00	Axle Load
13.00(B)	10.9	66.88	N/A	35.46	Axle Load	0.00	Axle Load
16.27(L)	13.7	62.19	N/A	33.56	Axle Load	0.00	Axle Load
16.27(R)	13.7	62.11	N/A	33.56	Axle Load	0.00	Axle Load
22.19(B)	18.7	53.61	N/A	30.09	Axle Load	-1.03	Axle Load
23.50(B)	19.7	51.74	N/A	29.32	Axle Load	-1.49	Axle Load
23.80(B)	20.0	51.31	N/A	29.14	Axle Load	-1.60	Axle Load
28.12(L)	23.6	45.11	N/A	26.60	Axle Load	-3.23	Axle Load
28.12(R)	23.6	45.03	N/A	26.60	Axle Load	-3.23	Axle Load
34.04(B)	28.6	36.53	N/A	23.17	Axle Load	-5.70	Axle Load
35.70(B)	30.0	34.15	N/A	22.22	Axle Load	-6.44	Axle Load
39.97(L)	33.6	28.03	N/A	19.85	Axle Load	-8.43	Axle Load
39.97(R)	33.6	27.95	N/A	19.85	Axle Load	-8.43	Axle Load
45.90(B)	38.6	19.45	N/A	16.68	Axle Load	-11.38	Axle Load
47.60(B)	40.0	17.00	N/A	15.80	Axle Load	-12.26	Axle Load
51.82(L)	43.5	10.95	N/A	13.74	Axle Load	-14.50	Axle Load
51.82(R)	43.5	10.87	N/A	13.74	Axle Load	-14.50	Axle Load
57.74(B)	48.5	2.37	N/A	11.06	Axle Load	-17.80	Axle Load
59.50(B)	50.0	-0.15	N/A	10.36	Axle Load	-18.86	Axle Load
63.67(L)	53.5	-6.13	N/A	8.74	Axle Load	-21.27	Axle Load
63.67(R)	53.5	-6.21	N/A	8.74	Axle Load	-21.27	Axle Load
69.60(B)	58.5	-14.71	N/A	6.79	Axle Load	-25.00	Axle Load
71.40(B)	60.0	-17.30	N/A	6.24	Axle Load	-26.08	Axle Load
75.52(L)	63.5	-23.21	N/A	6.08	Axle Load	-28.53	Axle Load
75.52(R)	63.5	-23.29	N/A	6.08	Axle Load	-28.53	Axle Load
81.44(B)	68.4	-31.79	N/A	6.16	Axle Load	-32.45	Axle Load
83.30(B)	70.0	-34.45	N/A	6.16	Axle Load	-33.54	Axle Load

87.37(L)	73.4	-40.29	N/A	6.16	Axle Load	-35.89	Axle Load
87.37(R)	73.4	-40.37	N/A	6.16	Axle Load	-35.89	Axle Load
93.29(B)	78.4	-48.87	N/A	6.24	Axle Load	-39.67	Axle Load
95.20(B)	80.0	-51.61	N/A	6.24	Axle Load	-40.70	Axle Load
95.50(B)	80.3	-52.04	N/A	6.24	Axle Load	-40.86	Axle Load
99.22(L)	83.4	-57.37	N/A	6.24	Axle Load	-42.79	Axle Load
99.22(R)	83.4	-57.45	N/A	6.24	Axle Load	-42.79	Axle Load
104.00(B)	87.4	-64.31	N/A	6.28	Axle Load	-45.42	Axle Load
105.14(B)	88.4	-66.04	N/A	6.28	Axle Load	-45.94	Axle Load
107.10(B)	90.0	-68.99	N/A	6.28	Axle Load	-46.82	Axle Load
111.07(L)	93.3	-74.98	N/A	6.28	Axle Load	-48.49	Axle Load
111.07(R)	93.3	-75.06	N/A	6.28	Axle Load	-48.49	Axle Load
115.03(B)	96.7	-81.04	N/A	6.35	Axle Load	-50.56	Axle Load
119.00(L)	100.0	-87.02	N/A	6.35	Axle Load	-51.91	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	51.92	Axle Load	-6.36	Axle Load
2.21(B)	1.9	83.71	N/A	48.29	Axle Load	-6.00	Axle Load
4.42(L)	3.7	80.37	N/A	47.54	Axle Load	-6.00	Axle Load
4.42(R)	3.7	80.29	N/A	47.54	Axle Load	-6.00	Axle Load
10.35(B)	8.7	71.36	N/A	45.32	Axle Load	-6.00	Axle Load
11.90(B)	10.0	69.01	N/A	44.69	Axle Load	-6.00	Axle Load
15.00(B)	12.6	64.33	N/A	43.34	Axle Load	-6.00	Axle Load
16.27(L)	13.7	62.51	N/A	42.77	Axle Load	-6.00	Axle Load
16.27(R)	13.7	62.43	N/A	42.77	Axle Load	-6.00	Axle Load
22.19(B)	18.7	53.93	N/A	39.95	Axle Load	-6.00	Axle Load
23.50(B)	19.7	52.06	N/A	39.29	Axle Load	-6.00	Axle Load
23.80(B)	20.0	51.63	N/A	39.14	Axle Load	-6.00	Axle Load
28.12(L)	23.6	45.43	N/A	36.87	Axle Load	-6.00	Axle Load
28.12(R)	23.6	45.35	N/A	36.87	Axle Load	-6.00	Axle Load
34.04(B)	28.6	36.85	N/A	33.61	Axle Load	-6.00	Axle Load
35.70(B)	30.0	34.48	N/A	32.67	Axle Load	-6.00	Axle Load
39.97(L)	33.6	28.35	N/A	30.21	Axle Load	-6.00	Axle Load
39.97(R)	33.6	28.27	N/A	30.21	Axle Load	-6.00	Axle Load
45.90(B)	38.6	19.77	N/A	26.74	Axle Load	-6.00	Axle Load
47.60(B)	40.0	17.32	N/A	25.73	Axle Load	-6.17	Axle Load
51.82(L)	43.5	11.27	N/A	23.25	Axle Load	-7.48	Axle Load
51.82(R)	43.5	11.19	N/A	23.25	Axle Load	-7.48	Axle Load
57.74(B)	48.5	2.69	N/A	19.80	Axle Load	-9.64	Axle Load
59.50(B)	50.0	0.17	N/A	18.85	Axle Load	-10.38	Axle Load

63.67(L)	53.5	-5.81	N/A	16.49	Axle Load	-12.15	Axle Load
63.67(R)	53.5	-5.89	N/A	16.49	Axle Load	-12.15	Axle Load
69.60(B)	58.5	-14.39	N/A	13.38	Axle Load	-15.11	Axle Load
71.40(B)	60.0	-16.98	N/A	12.42	Axle Load	-16.02	Axle Load
75.52(L)	63.5	-22.89	N/A	10.29	Axle Load	-18.18	Axle Load
75.52(R)	63.5	-22.97	N/A	10.29	Axle Load	-18.18	Axle Load
81.44(B)	68.4	-31.47	N/A	7.48	Axle Load	-21.75	Axle Load
83.30(B)	70.0	-34.13	N/A	6.61	Axle Load	-22.82	Axle Load
87.37(L)	73.4	-39.97	N/A	4.79	Axle Load	-25.21	Axle Load
87.37(R)	73.4	-40.05	N/A	4.79	Axle Load	-25.21	Axle Load
93.29(B)	78.4	-48.55	N/A	2.39	Axle Load	-29.14	Axle Load
95.20(B)	80.0	-51.28	N/A	1.66	Axle Load	-30.30	Axle Load
95.50(B)	80.3	-51.71	N/A	1.55	Axle Load	-30.49	Axle Load
99.22(L)	83.4	-57.05	N/A	0.24	Axle Load	-32.77	Axle Load
99.22(R)	83.4	-57.13	N/A	0.24	Axle Load	-32.77	Axle Load
105.14(B)	88.4	-65.63	N/A	0.00	Axle Load	-36.63	Axle Load
106.00(B)	89.1	-66.86	N/A	0.00	Axle Load	-37.15	Axle Load
107.10(B)	90.0	-68.52	N/A	0.00	Axle Load	-37.81	Axle Load
111.07(L)	93.3	-74.51	N/A	0.00	Axle Load	-40.18	Axle Load
111.07(R)	93.3	-74.59	N/A	0.00	Axle Load	-40.18	Axle Load
115.03(B)	96.7	-80.57	N/A	0.00	Axle Load	-42.97	Axle Load
119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-45.24	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	47.66	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	43.95	Axle Load	0.00	Axle Load
4.42(L)	4.6	81.60	N/A	42.89	Axle Load	0.00	Axle Load
4.42(R)	4.6	81.52	N/A	42.89	Axle Load	0.00	Axle Load
9.52(B)	10.0	73.82	N/A	40.33	Axle Load	0.00	Axle Load
10.80(B)	11.3	71.90	N/A	39.66	Axle Load	0.00	Axle Load
13.00(B)	13.6	68.57	N/A	38.49	Axle Load	0.00	Axle Load
17.17(L)	18.0	62.59	N/A	36.18	Axle Load	0.00	Axle Load
17.17(R)	18.0	62.51	N/A	36.18	Axle Load	0.00	Axle Load
19.05(B)	20.0	59.81	N/A	35.11	Axle Load	-0.14	Axle Load
23.50(B)	24.7	53.43	N/A	32.49	Axle Load	-1.29	Axle Load
23.55(B)	24.7	53.37	N/A	32.46	Axle Load	-1.30	Axle Load
28.58(B)	30.0	46.15	N/A	29.37	Axle Load	-2.79	Axle Load
29.92(L)	31.4	44.22	N/A	28.53	Axle Load	-3.22	Axle Load
29.92(R)	31.4	44.14	N/A	28.53	Axle Load	-3.22	Axle Load
36.29(B)	38.1	34.99	N/A	24.41	Axle Load	-5.43	Axle Load

38.10(B)	40.0	32.40	N/A	23.22	Axle Load	-6.11	Axle Load
42.67(L)	44.8	25.85	N/A	20.14	Axle Load	-7.94	Axle Load
42.67(R)	44.8	25.77	N/A	20.14	Axle Load	-7.94	Axle Load
47.63(B)	50.0	18.66	N/A	17.16	Axle Load	-10.11	Axle Load
49.04(B)	51.5	16.62	N/A	16.32	Axle Load	-10.76	Axle Load
55.42(L)	58.2	7.48	N/A	12.64	Axle Load	-13.96	Axle Load
55.42(R)	58.2	7.40	N/A	12.64	Axle Load	-13.96	Axle Load
57.15(B)	60.0	4.92	N/A	11.80	Axle Load	-14.85	Axle Load
61.79(B)	64.9	-1.75	N/A	9.89	Axle Load	-17.33	Axle Load
66.68(B)	70.0	-8.75	N/A	8.50	Axle Load	-20.34	Axle Load
68.17(L)	71.6	-10.89	N/A	8.03	Axle Load	-21.22	Axle Load
68.17(R)	71.6	-10.97	N/A	8.03	Axle Load	-21.22	Axle Load
74.54(B)	78.3	-20.12	N/A	6.11	Axle Load	-25.42	Axle Load
76.20(B)	80.0	-22.49	N/A	5.58	Axle Load	-26.49	Axle Load
80.92(L)	85.0	-29.27	N/A	4.41	Axle Load	-29.58	Axle Load
80.92(R)	85.0	-29.35	N/A	4.41	Axle Load	-29.58	Axle Load
85.72(B)	90.0	-36.24	N/A	4.46	Axle Load	-33.24	Axle Load
87.29(B)	91.6	-38.49	N/A	4.46	Axle Load	-34.33	Axle Load
93.67(L)	98.3	-47.64	N/A	4.51	Axle Load	-39.34	Axle Load
93.67(R)	98.3	-47.72	N/A	4.51	Axle Load	-39.34	Axle Load
94.46(B)	99.2	-48.85	N/A	4.51	Axle Load	-39.91	Axle Load
95.25(L)	100.0	-49.98	N/A	4.51	Axle Load	-40.50	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: SU4
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	34.20	Axle Load	-3.41	Axle Load
2	174.81	N/A	39.44	Axle Load	0.00	Axle Load
3	174.06	N/A	39.43	Axle Load	-5.17	Axle Load
4	174.81	N/A	39.58	Axle Load	0.00	Axle Load
5	49.98	N/A	36.33	Axle Load	-3.63	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary

Live Load: SU4

Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	141.55	Axle Load	-15.11	Axle Load
8.85(L)	9.3	385.73	N/A	263.67	Axle Load	-30.22	Axle Load
8.85(R)	9.3	385.73	N/A	263.67	Axle Load	-30.22	Axle Load
9.52(B)	10.0	410.49	N/A	280.60	Axle Load	-32.53	Axle Load
15.32(B)	16.1	596.25	N/A	407.98	Axle Load	-52.33	Axle Load
19.05(B)	20.0	690.11	N/A	472.95	Axle Load	-65.05	Axle Load
21.80(L)	22.9	746.63	N/A	512.73	Axle Load	-74.44	Axle Load
21.80(R)	22.9	746.63	N/A	512.73	Axle Load	-74.44	Axle Load
28.28(B)	29.7	836.34	N/A	585.02	Axle Load	-96.56	Axle Load
28.58(B)	30.0	839.04	N/A	587.73	Axle Load	-97.58	Axle Load
34.75(L)	36.5	865.90	N/A	626.34	Axle Load	-118.67	Axle Load
34.75(R)	36.5	865.90	N/A	626.34	Axle Load	-118.67	Axle Load
38.10(B)	40.0	857.32	N/A	634.31	Axle Load	-130.11	Axle Load
41.22(B)	43.3	834.80	N/A	633.87	Axle Load	-140.78	Axle Load
47.63(B)	50.0	744.95	N/A	617.17	Axle Load	-162.63	Axle Load
47.70(L)	50.1	743.55	N/A	616.83	Axle Load	-162.89	Axle Load
47.70(R)	50.1	743.55	N/A	616.83	Axle Load	-162.89	Axle Load
54.17(B)	56.9	591.63	N/A	573.61	Axle Load	-185.00	Axle Load
57.15(B)	60.0	501.67	N/A	545.30	Axle Load	-195.16	Axle Load
60.65(L)	63.7	379.57	N/A	505.83	Axle Load	-207.11	Axle Load
60.65(R)	63.7	379.57	N/A	505.83	Axle Load	-207.11	Axle Load
66.68(B)	70.0	127.75	N/A	424.18	Axle Load	-227.69	Axle Load
67.13(B)	70.5	106.85	N/A	417.37	Axle Load	-229.23	Axle Load
71.75(B)	75.3	-124.78	N/A	344.11	Axle Load	-245.02	Axle Load
73.60(L)	77.3	-226.03	N/A	313.46	Axle Load	-251.34	Axle Load
73.60(R)	77.3	-226.03	N/A	313.46	Axle Load	-251.34	Axle Load
76.20(B)	80.0	-376.82	N/A	268.48	Axle Load	-260.22	Axle Load
80.07(B)	84.1	-619.56	N/A	199.50	Axle Load	-273.45	Axle Load
82.25(B)	86.4	-765.25	N/A	159.87	Axle Load	-280.88	Axle Load
85.72(B)	90.0	-1012.55	N/A	95.51	Axle Load	-292.74	Axle Load
86.55(L)	90.9	-1073.93	N/A	79.99	Axle Load	-295.56	Axle Load
86.55(R)	90.9	-1073.93	N/A	79.99	Axle Load	-295.56	Axle Load

90.90(B)	95.4	-1414.93	N/A	0.00	Axle Load	-310.41	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-377.96	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-377.96	Axle Load
2.21(B)	1.9	-1596.84	N/A	0.00	Axle Load	-367.18	Axle Load
4.42(L)	3.7	-1416.57	N/A	9.94	Axle Load	-356.41	Axle Load
4.42(R)	3.7	-1416.57	N/A	9.94	Axle Load	-356.41	Axle Load
10.35(B)	8.7	-970.10	N/A	123.33	Axle Load	-327.52	Axle Load
11.90(B)	10.0	-861.70	N/A	151.97	Axle Load	-319.94	Axle Load
13.00(B)	10.9	-787.22	N/A	171.66	Axle Load	-314.57	Axle Load
16.27(L)	13.7	-576.19	N/A	228.49	Axle Load	-298.63	Axle Load
16.27(R)	13.7	-576.19	N/A	228.49	Axle Load	-298.63	Axle Load
22.19(B)	18.7	-233.38	N/A	322.98	Axle Load	-269.74	Axle Load
23.50(B)	19.7	-164.64	N/A	342.11	Axle Load	-263.38	Axle Load
23.80(B)	20.0	-149.19	N/A	346.35	Axle Load	-261.92	Axle Load
28.12(L)	23.6	59.07	N/A	403.37	Axle Load	-240.85	Axle Load
28.12(R)	23.6	59.07	N/A	403.37	Axle Load	-240.85	Axle Load
34.04(B)	28.6	300.68	N/A	466.97	Axle Load	-211.96	Axle Load
35.70(B)	30.0	359.17	N/A	481.42	Axle Load	-203.89	Axle Load
39.97(L)	33.6	491.92	N/A	511.33	Axle Load	-183.07	Axle Load
39.97(R)	33.6	491.92	N/A	511.33	Axle Load	-183.07	Axle Load
45.90(B)	38.6	632.33	N/A	535.37	Axle Load	-154.18	Axle Load
47.60(B)	40.0	663.41	N/A	538.47	Axle Load	-145.87	Axle Load
51.82(L)	43.5	722.38	N/A	539.24	Axle Load	-125.29	Axle Load
51.82(R)	43.5	722.38	N/A	539.24	Axle Load	-125.29	Axle Load
57.74(B)	48.5	761.59	N/A	526.50	Axle Load	-96.40	Axle Load
59.50(B)	50.0	763.54	N/A	518.51	Axle Load	-87.85	Axle Load
63.67(L)	53.5	750.44	N/A	493.81	Axle Load	-67.52	Axle Load
63.67(R)	53.5	750.44	N/A	493.81	Axle Load	-67.52	Axle Load
69.60(B)	58.5	688.45	N/A	443.36	Axle Load	-38.63	Axle Load
71.40(B)	60.0	659.56	N/A	424.36	Axle Load	-29.83	Axle Load
75.52(L)	63.5	576.10	N/A	377.48	Axle Load	-9.74	Axle Load
75.52(R)	63.5	576.10	N/A	377.48	Axle Load	-9.74	Axle Load
81.44(B)	68.4	412.91	N/A	300.25	Axle Load	-16.69	Axle Load
83.30(B)	70.0	351.47	N/A	273.74	Axle Load	-32.33	Axle Load
87.37(L)	73.4	199.36	N/A	216.46	Axle Load	-79.82	Axle Load
87.37(R)	73.4	199.36	N/A	216.46	Axle Load	-79.82	Axle Load
93.29(B)	78.4	-65.03	N/A	140.74	Axle Load	-174.78	Axle Load
95.20(B)	80.0	-160.73	N/A	117.73	Axle Load	-210.61	Axle Load

95.50(B)	80.3	-176.28	N/A	114.18	Axle Load	-216.37	Axle Load
99.22(L)	83.4	-379.78	N/A	105.82	Axle Load	-293.33	Axle Load
99.22(R)	83.4	-379.78	N/A	105.82	Axle Load	-293.33	Axle Load
104.00(B)	87.4	-670.79	N/A	129.13	Axle Load	-401.11	Axle Load
105.14(B)	88.4	-745.42	N/A	134.71	Axle Load	-428.61	Axle Load
107.10(B)	90.0	-877.40	N/A	144.24	Axle Load	-476.25	Axle Load
111.07(L)	93.3	-1163.17	N/A	163.60	Axle Load	-577.68	Axle Load
111.07(R)	93.3	-1163.17	N/A	163.60	Axle Load	-577.68	Axle Load
115.03(B)	96.7	-1472.63	N/A	182.93	Axle Load	-682.89	Axle Load
119.00(L)	100.0	-1805.80	N/A	202.26	Axle Load	-792.72	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	202.02	Axle Load	-792.77	Axle Load
2.21(B)	1.9	-1617.10	N/A	191.26	Axle Load	-731.28	Axle Load
4.42(L)	3.7	-1435.79	N/A	180.50	Axle Load	-670.70	Axle Load
4.42(R)	3.7	-1435.79	N/A	180.50	Axle Load	-670.70	Axle Load
10.35(B)	8.7	-986.53	N/A	151.64	Axle Load	-515.47	Axle Load
11.90(B)	10.0	-877.39	N/A	144.07	Axle Load	-476.60	Axle Load
15.00(B)	12.6	-670.71	N/A	128.97	Axle Load	-401.06	Axle Load
16.27(L)	13.7	-590.16	N/A	122.79	Axle Load	-371.64	Axle Load
16.27(R)	13.7	-590.16	N/A	122.79	Axle Load	-371.64	Axle Load
22.19(B)	18.7	-245.44	N/A	99.45	Axle Load	-242.49	Axle Load
23.50(B)	19.7	-176.28	N/A	114.10	Axle Load	-216.53	Axle Load
23.80(B)	20.0	-160.73	N/A	117.43	Axle Load	-210.57	Axle Load
28.12(L)	23.6	48.92	N/A	171.02	Axle Load	-132.90	Axle Load
28.12(R)	23.6	48.92	N/A	171.02	Axle Load	-132.90	Axle Load
34.04(B)	28.6	292.44	N/A	250.66	Axle Load	-49.66	Axle Load
35.70(B)	30.0	351.47	N/A	274.31	Axle Load	-32.45	Axle Load
39.97(L)	33.6	485.60	N/A	332.67	Axle Load	-3.04	Axle Load
39.97(R)	33.6	485.60	N/A	332.67	Axle Load	-3.04	Axle Load
45.90(B)	38.6	627.93	N/A	405.92	Axle Load	-21.49	Axle Load
47.60(B)	40.0	659.55	N/A	424.74	Axle Load	-29.79	Axle Load
51.82(L)	43.5	719.89	N/A	465.79	Axle Load	-50.34	Axle Load
51.82(R)	43.5	719.89	N/A	465.79	Axle Load	-50.34	Axle Load
57.74(B)	48.5	761.01	N/A	509.38	Axle Load	-79.20	Axle Load
59.50(B)	50.0	763.53	N/A	518.77	Axle Load	-87.74	Axle Load
63.67(L)	53.5	751.77	N/A	534.02	Axle Load	-108.05	Axle Load
63.67(R)	53.5	751.77	N/A	534.02	Axle Load	-108.05	Axle Load
69.60(B)	58.5	691.70	N/A	539.90	Axle Load	-136.91	Axle Load
71.40(B)	60.0	663.39	N/A	538.21	Axle Load	-145.70	Axle Load

75.52(L)	63.5	581.26	N/A	528.10	Axle Load	-165.76	Axle Load
75.52(R)	63.5	581.26	N/A	528.10	Axle Load	-165.76	Axle Load
81.44(B)	68.4	419.98	N/A	495.78	Axle Load	-194.62	Axle Load
83.30(B)	70.0	359.14	N/A	481.10	Axle Load	-203.65	Axle Load
87.37(L)	73.4	208.34	N/A	443.27	Axle Load	-223.47	Axle Load
87.37(R)	73.4	208.34	N/A	443.27	Axle Load	-223.47	Axle Load
93.29(B)	78.4	-54.13	N/A	372.58	Axle Load	-252.32	Axle Load
95.20(B)	80.0	-149.22	N/A	345.90	Axle Load	-261.60	Axle Load
95.50(B)	80.3	-164.67	N/A	341.66	Axle Load	-263.06	Axle Load
99.22(L)	83.4	-366.97	N/A	285.97	Axle Load	-281.18	Axle Load
99.22(R)	83.4	-366.97	N/A	285.97	Axle Load	-281.18	Axle Load
105.14(B)	88.4	-730.64	N/A	187.01	Axle Load	-310.03	Axle Load
106.00(B)	89.1	-787.28	N/A	171.74	Axle Load	-314.20	Axle Load
107.10(B)	90.0	-861.74	N/A	151.53	Axle Load	-319.56	Axle Load
111.07(L)	93.3	-1145.63	N/A	77.40	Axle Load	-338.89	Axle Load
111.07(R)	93.3	-1145.63	N/A	77.40	Axle Load	-338.89	Axle Load
115.03(B)	96.7	-1453.22	N/A	0.67	Axle Load	-358.20	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-377.51	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-377.51	Axle Load
2.21(B)	2.3	-1593.15	N/A	0.00	Axle Load	-323.12	Axle Load
4.42(L)	4.6	-1409.13	N/A	0.00	Axle Load	-310.07	Axle Load
4.42(R)	4.6	-1409.13	N/A	0.00	Axle Load	-310.07	Axle Load
9.52(B)	10.0	-1012.64	N/A	95.59	Axle Load	-292.64	Axle Load
10.80(B)	11.3	-920.11	N/A	119.67	Axle Load	-288.31	Axle Load
13.00(B)	13.6	-765.24	N/A	159.97	Axle Load	-280.78	Axle Load
17.17(L)	18.0	-491.76	N/A	235.45	Axle Load	-266.55	Axle Load
17.17(R)	18.0	-491.76	N/A	235.45	Axle Load	-266.55	Axle Load
19.05(B)	20.0	-376.78	N/A	268.93	Axle Load	-260.13	Axle Load
23.50(B)	24.7	-124.81	N/A	344.17	Axle Load	-244.94	Axle Load
23.55(B)	24.7	-122.41	N/A	344.92	Axle Load	-244.78	Axle Load
28.58(B)	30.0	127.87	N/A	424.03	Axle Load	-227.61	Axle Load
29.92(L)	31.4	188.64	N/A	443.82	Axle Load	-223.02	Axle Load
29.92(R)	31.4	188.64	N/A	443.82	Axle Load	-223.02	Axle Load
36.29(B)	38.1	440.88	N/A	525.93	Axle Load	-201.26	Axle Load
38.10(B)	40.0	501.71	N/A	545.54	Axle Load	-195.10	Axle Load
42.67(L)	44.8	634.82	N/A	586.55	Axle Load	-179.50	Axle Load
42.67(R)	44.8	634.82	N/A	586.55	Axle Load	-179.50	Axle Load
47.63(B)	50.0	744.89	N/A	616.93	Axle Load	-162.58	Axle Load

49.04(B)	51.5	769.94	N/A	622.65	Axle Load	-157.73	Axle Load
55.42(L)	58.2	846.76	N/A	635.02	Axle Load	-135.97	Axle Load
55.42(R)	58.2	846.76	N/A	635.02	Axle Load	-135.97	Axle Load
57.15(B)	60.0	857.41	N/A	634.22	Axle Load	-130.06	Axle Load
61.79(B)	64.9	864.77	N/A	620.73	Axle Load	-114.21	Axle Load
66.68(B)	70.0	839.15	N/A	587.73	Axle Load	-97.55	Axle Load
68.17(L)	71.6	824.47	N/A	573.46	Axle Load	-92.44	Axle Load
68.17(R)	71.6	824.47	N/A	573.46	Axle Load	-92.44	Axle Load
74.54(B)	78.3	725.36	N/A	497.69	Axle Load	-70.68	Axle Load
76.20(B)	80.0	690.09	N/A	472.96	Axle Load	-65.03	Axle Load
80.92(L)	85.0	567.94	N/A	388.41	Axle Load	-48.92	Axle Load
80.92(R)	85.0	567.94	N/A	388.41	Axle Load	-48.92	Axle Load
85.72(B)	90.0	410.38	N/A	280.59	Axle Load	-32.52	Axle Load
87.29(B)	91.6	351.71	N/A	240.53	Axle Load	-27.16	Axle Load
93.67(L)	98.3	77.18	N/A	52.79	Axle Load	-5.39	Axle Load
93.67(R)	98.3	77.18	N/A	52.79	Axle Load	-5.39	Axle Load
94.46(B)	99.2	39.04	N/A	26.71	Axle Load	-2.70	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary

Live Load: SU4

Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	34.20	Axle Load	-3.41	Axle Load
4.43(B)	4.6	43.59	N/A	31.99	Axle Load	-3.41	Axle Load
8.85(L)	9.3	37.24	N/A	29.79	Axle Load	-3.41	Axle Load
8.85(R)	9.3	37.16	N/A	29.79	Axle Load	-3.41	Axle Load
9.52(B)	10.0	36.19	N/A	29.46	Axle Load	-3.41	Axle Load
15.32(B)	16.1	27.87	N/A	26.62	Axle Load	-4.76	Axle Load
19.05(B)	20.0	22.52	N/A	24.83	Axle Load	-6.32	Axle Load

21.80(L)	22.9	18.58	N/A	23.52	Axle Load	-7.68	Axle Load
21.80(R)	22.9	18.50	N/A	23.52	Axle Load	-7.68	Axle Load
28.28(B)	29.7	9.21	N/A	20.51	Axle Load	-10.85	Axle Load
28.58(B)	30.0	8.78	N/A	20.37	Axle Load	-10.99	Axle Load
34.75(L)	36.5	-0.08	N/A	17.60	Axle Load	-13.95	Axle Load
34.75(R)	36.5	-0.16	N/A	17.60	Axle Load	-13.95	Axle Load
38.10(B)	40.0	-4.96	N/A	16.14	Axle Load	-15.52	Axle Load
41.22(B)	43.3	-9.45	N/A	14.82	Axle Load	-16.96	Axle Load
47.63(B)	50.0	-18.63	N/A	12.26	Axle Load	-19.90	Axle Load
47.70(L)	50.1	-18.74	N/A	12.23	Axle Load	-19.93	Axle Load
47.70(R)	50.1	-18.82	N/A	12.23	Axle Load	-19.93	Axle Load
54.17(B)	56.9	-28.11	N/A	9.85	Axle Load	-22.92	Axle Load
57.15(B)	60.0	-32.37	N/A	8.77	Axle Load	-24.17	Axle Load
60.65(L)	63.7	-37.40	N/A	7.56	Axle Load	-25.59	Axle Load
60.65(R)	63.7	-37.48	N/A	7.56	Axle Load	-25.59	Axle Load
66.68(B)	70.0	-46.12	N/A	5.68	Axle Load	-28.25	Axle Load
67.13(B)	70.5	-46.76	N/A	5.54	Axle Load	-28.41	Axle Load
71.75(B)	75.3	-53.40	N/A	4.22	Axle Load	-30.46	Axle Load
73.60(L)	77.3	-56.05	N/A	3.70	Axle Load	-31.11	Axle Load
73.60(R)	77.3	-56.13	N/A	3.70	Axle Load	-31.11	Axle Load
76.20(B)	80.0	-59.86	N/A	2.99	Axle Load	-32.00	Axle Load
80.07(B)	84.1	-65.42	N/A	2.02	Axle Load	-33.25	Axle Load
82.25(B)	86.4	-68.54	N/A	1.52	Axle Load	-34.15	Axle Load
85.72(B)	90.0	-73.79	N/A	0.76	Axle Load	-35.17	Axle Load
86.55(L)	90.9	-75.03	N/A	0.58	Axle Load	-35.40	Axle Load
86.55(R)	90.9	-75.11	N/A	0.58	Axle Load	-35.40	Axle Load
90.90(B)	95.4	-81.67	N/A	0.00	Axle Load	-36.95	Axle Load
95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-38.01	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	37.52	Axle Load	0.00	Axle Load
2.21(B)	1.9	83.24	N/A	34.88	Axle Load	0.00	Axle Load
4.42(L)	3.7	79.90	N/A	34.20	Axle Load	0.00	Axle Load
4.42(R)	3.7	79.82	N/A	34.20	Axle Load	0.00	Axle Load
10.35(B)	8.7	70.88	N/A	32.24	Axle Load	-1.18	Axle Load
11.90(B)	10.0	68.54	N/A	31.70	Axle Load	-1.62	Axle Load
13.00(B)	10.9	66.88	N/A	31.30	Axle Load	-1.93	Axle Load
16.27(L)	13.7	62.19	N/A	30.10	Axle Load	-2.91	Axle Load
16.27(R)	13.7	62.11	N/A	30.10	Axle Load	-2.91	Axle Load
22.19(B)	18.7	53.61	N/A	27.81	Axle Load	-4.84	Axle Load

23.50(B)	19.7	51.74	N/A	27.29	Axle Load	-5.30	Axle Load
23.80(B)	20.0	51.31	N/A	27.17	Axle Load	-5.40	Axle Load
28.12(L)	23.6	45.11	N/A	25.40	Axle Load	-6.95	Axle Load
28.12(R)	23.6	45.03	N/A	25.40	Axle Load	-6.95	Axle Load
34.04(B)	28.6	36.53	N/A	22.91	Axle Load	-9.23	Axle Load
35.70(B)	30.0	34.15	N/A	22.20	Axle Load	-9.89	Axle Load
39.97(L)	33.6	28.03	N/A	20.37	Axle Load	-11.62	Axle Load
39.97(R)	33.6	27.95	N/A	20.37	Axle Load	-11.62	Axle Load
45.90(B)	38.6	19.45	N/A	17.83	Axle Load	-14.10	Axle Load
47.60(B)	40.0	17.00	N/A	17.10	Axle Load	-14.83	Axle Load
51.82(L)	43.5	10.95	N/A	15.32	Axle Load	-16.63	Axle Load
51.82(R)	43.5	10.87	N/A	15.32	Axle Load	-16.63	Axle Load
57.74(B)	48.5	2.37	N/A	12.88	Axle Load	-19.18	Axle Load
59.50(B)	50.0	-0.15	N/A	12.22	Axle Load	-20.00	Axle Load
63.67(L)	53.5	-6.13	N/A	10.59	Axle Load	-21.77	Axle Load
63.67(R)	53.5	-6.21	N/A	10.59	Axle Load	-21.77	Axle Load
69.60(B)	58.5	-14.71	N/A	8.49	Axle Load	-24.47	Axle Load
71.40(B)	60.0	-17.30	N/A	7.86	Axle Load	-25.20	Axle Load
75.52(L)	63.5	-23.21	N/A	6.48	Axle Load	-26.85	Axle Load
75.52(R)	63.5	-23.29	N/A	6.48	Axle Load	-26.85	Axle Load
81.44(B)	68.4	-31.79	N/A	5.01	Axle Load	-29.46	Axle Load
83.30(B)	70.0	-34.45	N/A	5.01	Axle Load	-30.13	Axle Load
87.37(L)	73.4	-40.29	N/A	5.01	Axle Load	-31.54	Axle Load
87.37(R)	73.4	-40.37	N/A	5.01	Axle Load	-31.54	Axle Load
93.29(B)	78.4	-48.87	N/A	5.07	Axle Load	-33.82	Axle Load
95.20(B)	80.0	-51.61	N/A	5.07	Axle Load	-34.36	Axle Load
95.50(B)	80.3	-52.04	N/A	5.07	Axle Load	-34.45	Axle Load
99.22(L)	83.4	-57.37	N/A	5.07	Axle Load	-35.43	Axle Load
99.22(R)	83.4	-57.45	N/A	5.07	Axle Load	-35.43	Axle Load
104.00(B)	87.4	-64.31	N/A	5.11	Axle Load	-36.78	Axle Load
105.14(B)	88.4	-66.04	N/A	5.11	Axle Load	-37.00	Axle Load
107.10(B)	90.0	-68.99	N/A	5.11	Axle Load	-37.36	Axle Load
111.07(L)	93.3	-74.98	N/A	5.11	Axle Load	-37.99	Axle Load
111.07(R)	93.3	-75.06	N/A	5.11	Axle Load	-37.99	Axle Load
115.03(B)	96.7	-81.04	N/A	5.17	Axle Load	-38.91	Axle Load
119.00(L)	100.0	-87.02	N/A	5.17	Axle Load	-39.23	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	39.23	Axle Load	-5.16	Axle Load
2.21(B)	1.9	83.71	N/A	36.86	Axle Load	-4.87	Axle Load

4.42(L)	3.7	80.37	N/A	36.66	Axle Load	-4.87	Axle Load
4.42(R)	3.7	80.29	N/A	36.66	Axle Load	-4.87	Axle Load
10.35(B)	8.7	71.36	N/A	35.91	Axle Load	-4.87	Axle Load
11.90(B)	10.0	69.01	N/A	35.66	Axle Load	-4.87	Axle Load
15.00(B)	12.6	64.33	N/A	35.09	Axle Load	-4.87	Axle Load
16.27(L)	13.7	62.51	N/A	34.84	Axle Load	-4.87	Axle Load
16.27(R)	13.7	62.43	N/A	34.84	Axle Load	-4.87	Axle Load
22.19(B)	18.7	53.93	N/A	33.47	Axle Load	-4.87	Axle Load
23.50(B)	19.7	52.06	N/A	33.13	Axle Load	-4.87	Axle Load
23.80(B)	20.0	51.63	N/A	33.05	Axle Load	-4.87	Axle Load
28.12(L)	23.6	45.43	N/A	31.82	Axle Load	-4.87	Axle Load
28.12(R)	23.6	45.35	N/A	31.82	Axle Load	-4.87	Axle Load
34.04(B)	28.6	36.85	N/A	29.92	Axle Load	-4.87	Axle Load
35.70(B)	30.0	34.48	N/A	29.35	Axle Load	-4.87	Axle Load
39.97(L)	33.6	28.35	N/A	27.82	Axle Load	-5.32	Axle Load
39.97(R)	33.6	28.27	N/A	27.82	Axle Load	-5.32	Axle Load
45.90(B)	38.6	19.77	N/A	25.55	Axle Load	-7.18	Axle Load
47.60(B)	40.0	17.32	N/A	24.88	Axle Load	-7.76	Axle Load
51.82(L)	43.5	11.27	N/A	23.16	Axle Load	-9.25	Axle Load
51.82(R)	43.5	11.19	N/A	23.16	Axle Load	-9.25	Axle Load
57.74(B)	48.5	2.69	N/A	20.68	Axle Load	-11.49	Axle Load
59.50(B)	50.0	0.17	N/A	20.00	Axle Load	-12.22	Axle Load
63.67(L)	53.5	-5.81	N/A	18.20	Axle Load	-13.91	Axle Load
63.67(R)	53.5	-5.89	N/A	18.20	Axle Load	-13.91	Axle Load
69.60(B)	58.5	-14.39	N/A	15.81	Axle Load	-16.55	Axle Load
71.40(B)	60.0	-16.98	N/A	15.03	Axle Load	-17.33	Axle Load
75.52(L)	63.5	-22.89	N/A	13.25	Axle Load	-19.11	Axle Load
75.52(R)	63.5	-22.97	N/A	13.25	Axle Load	-19.11	Axle Load
81.44(B)	68.4	-31.47	N/A	10.91	Axle Load	-21.97	Axle Load
83.30(B)	70.0	-34.13	N/A	10.15	Axle Load	-22.79	Axle Load
87.37(L)	73.4	-39.97	N/A	8.50	Axle Load	-24.57	Axle Load
87.37(R)	73.4	-40.05	N/A	8.50	Axle Load	-24.57	Axle Load
93.29(B)	78.4	-48.55	N/A	6.32	Axle Load	-27.45	Axle Load
95.20(B)	80.0	-51.28	N/A	5.61	Axle Load	-28.25	Axle Load
95.50(B)	80.3	-51.71	N/A	5.50	Axle Load	-28.38	Axle Load
99.22(L)	83.4	-57.05	N/A	4.19	Axle Load	-29.92	Axle Load
99.22(R)	83.4	-57.13	N/A	4.19	Axle Load	-29.92	Axle Load
105.14(B)	88.4	-65.63	N/A	2.28	Axle Load	-32.47	Axle Load
106.00(B)	89.1	-66.86	N/A	2.02	Axle Load	-32.80	Axle Load
107.10(B)	90.0	-68.52	N/A	1.69	Axle Load	-33.21	Axle Load
111.07(L)	93.3	-74.51	N/A	0.55	Axle Load	-34.64	Axle Load
111.07(R)	93.3	-74.59	N/A	0.55	Axle Load	-34.64	Axle Load
115.03(B)	96.7	-80.57	N/A	0.00	Axle Load	-36.40	Axle Load

119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-37.67	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	38.15	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	35.50	Axle Load	0.00	Axle Load
4.42(L)	4.6	81.60	N/A	34.97	Axle Load	0.00	Axle Load
4.42(R)	4.6	81.52	N/A	34.97	Axle Load	0.00	Axle Load
9.52(B)	10.0	73.82	N/A	33.66	Axle Load	-0.72	Axle Load
10.80(B)	11.3	71.90	N/A	33.32	Axle Load	-0.99	Axle Load
13.00(B)	13.6	68.57	N/A	32.69	Axle Load	-1.46	Axle Load
17.17(L)	18.0	62.59	N/A	31.44	Axle Load	-2.42	Axle Load
17.17(R)	18.0	62.51	N/A	31.44	Axle Load	-2.42	Axle Load
19.05(B)	20.0	59.81	N/A	30.85	Axle Load	-2.89	Axle Load
23.50(B)	24.7	53.43	N/A	29.37	Axle Load	-4.07	Axle Load
23.55(B)	24.7	53.37	N/A	29.35	Axle Load	-4.08	Axle Load
28.58(B)	30.0	46.15	N/A	27.56	Axle Load	-5.54	Axle Load
29.92(L)	31.4	44.22	N/A	27.06	Axle Load	-5.96	Axle Load
29.92(R)	31.4	44.14	N/A	27.06	Axle Load	-5.96	Axle Load
36.29(B)	38.1	34.99	N/A	24.60	Axle Load	-8.04	Axle Load
38.10(B)	40.0	32.40	N/A	23.87	Axle Load	-8.67	Axle Load
42.67(L)	44.8	25.85	N/A	21.97	Axle Load	-10.32	Axle Load
42.67(R)	44.8	25.77	N/A	21.97	Axle Load	-10.32	Axle Load
47.63(B)	50.0	18.66	N/A	19.90	Axle Load	-12.26	Axle Load
49.04(B)	51.5	16.62	N/A	19.27	Axle Load	-12.83	Axle Load
55.42(L)	58.2	7.48	N/A	16.53	Axle Load	-15.60	Axle Load
55.42(R)	58.2	7.40	N/A	16.53	Axle Load	-15.60	Axle Load
57.15(B)	60.0	4.92	N/A	15.72	Axle Load	-16.35	Axle Load
61.79(B)	64.9	-1.75	N/A	13.50	Axle Load	-18.40	Axle Load
66.68(B)	70.0	-8.75	N/A	11.27	Axle Load	-20.87	Axle Load
68.17(L)	71.6	-10.89	N/A	10.52	Axle Load	-21.58	Axle Load
68.17(R)	71.6	-10.97	N/A	10.52	Axle Load	-21.58	Axle Load
74.54(B)	78.3	-20.12	N/A	7.40	Axle Load	-24.93	Axle Load
76.20(B)	80.0	-22.49	N/A	6.55	Axle Load	-25.75	Axle Load
80.92(L)	85.0	-29.27	N/A	4.54	Axle Load	-28.12	Axle Load
80.92(R)	85.0	-29.35	N/A	4.54	Axle Load	-28.12	Axle Load
85.72(B)	90.0	-36.24	N/A	3.58	Axle Load	-30.93	Axle Load
87.29(B)	91.6	-38.49	N/A	3.58	Axle Load	-31.74	Axle Load
93.67(L)	98.3	-47.64	N/A	3.63	Axle Load	-35.49	Axle Load
93.67(R)	98.3	-47.72	N/A	3.63	Axle Load	-35.49	Axle Load
94.46(B)	99.2	-48.85	N/A	3.63	Axle Load	-35.91	Axle Load

95.25(L)	100.0	-49.98	N/A	3.63	Axle Load	-36.33	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: SU5
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	38.42	Axle Load	-3.89	Axle Load
2	174.81	N/A	45.16	Axle Load	0.00	Axle Load
3	174.06	N/A	45.19	Axle Load	-5.88	Axle Load
4	174.81	N/A	45.32	Axle Load	0.00	Axle Load
5	49.98	N/A	40.81	Axle Load	-4.13	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: SU5
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	158.80	Axle Load	-17.20	Axle Load
8.85(L)	9.3	385.73	N/A	295.39	Axle Load	-34.39	Axle Load
8.85(R)	9.3	385.73	N/A	295.39	Axle Load	-34.39	Axle Load
9.52(B)	10.0	410.49	N/A	314.30	Axle Load	-37.02	Axle Load
15.32(B)	16.1	596.25	N/A	456.00	Axle Load	-59.56	Axle Load
19.05(B)	20.0	690.11	N/A	527.88	Axle Load	-74.04	Axle Load
21.80(L)	22.9	746.63	N/A	571.83	Axle Load	-84.72	Axle Load
21.80(R)	22.9	746.63	N/A	571.83	Axle Load	-84.72	Axle Load
28.28(B)	29.7	836.34	N/A	656.84	Axle Load	-109.89	Axle Load
28.58(B)	30.0	839.04	N/A	659.74	Axle Load	-111.05	Axle Load

34.75(L)	36.5	865.90	N/A	700.50	Axle Load	-135.05	Axle Load
34.75(R)	36.5	865.90	N/A	700.50	Axle Load	-135.05	Axle Load
38.10(B)	40.0	857.32	N/A	707.78	Axle Load	-148.07	Axle Load
41.22(B)	43.3	834.80	N/A	705.99	Axle Load	-160.22	Axle Load
47.63(B)	50.0	744.95	N/A	687.85	Axle Load	-185.09	Axle Load
47.70(L)	50.1	743.55	N/A	687.51	Axle Load	-185.38	Axle Load
47.70(R)	50.1	743.55	N/A	687.51	Axle Load	-185.38	Axle Load
54.17(B)	56.9	591.63	N/A	641.05	Axle Load	-210.54	Axle Load
57.15(B)	60.0	501.67	N/A	609.56	Axle Load	-222.11	Axle Load
60.65(L)	63.7	379.57	N/A	565.54	Axle Load	-235.71	Axle Load
60.65(R)	63.7	379.57	N/A	565.54	Axle Load	-235.71	Axle Load
66.68(B)	70.0	127.75	N/A	472.95	Axle Load	-259.12	Axle Load
67.13(B)	70.5	106.85	N/A	465.31	Axle Load	-260.87	Axle Load
71.75(B)	75.3	-124.78	N/A	381.80	Axle Load	-278.85	Axle Load
73.60(L)	77.3	-226.03	N/A	346.45	Axle Load	-286.04	Axle Load
73.60(R)	77.3	-226.03	N/A	346.45	Axle Load	-286.04	Axle Load
76.20(B)	80.0	-376.82	N/A	294.51	Axle Load	-296.14	Axle Load
80.07(B)	84.1	-619.56	N/A	215.00	Axle Load	-311.20	Axle Load
82.25(B)	86.4	-765.25	N/A	169.14	Axle Load	-319.65	Axle Load
85.72(B)	90.0	-1012.55	N/A	94.36	Axle Load	-333.16	Axle Load
86.55(L)	90.9	-1073.93	N/A	76.39	Axle Load	-336.37	Axle Load
86.55(R)	90.9	-1073.93	N/A	76.39	Axle Load	-336.37	Axle Load
90.90(B)	95.4	-1414.93	N/A	0.00	Axle Load	-353.27	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-430.24	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-430.24	Axle Load
2.21(B)	1.9	-1596.84	N/A	0.00	Axle Load	-417.97	Axle Load
4.42(L)	3.7	-1416.57	N/A	0.00	Axle Load	-405.70	Axle Load
4.42(R)	3.7	-1416.57	N/A	0.00	Axle Load	-405.70	Axle Load
10.35(B)	8.7	-970.10	N/A	127.69	Axle Load	-372.82	Axle Load
11.90(B)	10.0	-861.70	N/A	160.85	Axle Load	-364.19	Axle Load
13.00(B)	10.9	-787.22	N/A	183.57	Axle Load	-358.08	Axle Load
16.27(L)	13.7	-576.19	N/A	248.31	Axle Load	-339.93	Axle Load
16.27(R)	13.7	-576.19	N/A	248.31	Axle Load	-339.93	Axle Load
22.19(B)	18.7	-233.38	N/A	356.92	Axle Load	-307.05	Axle Load
23.50(B)	19.7	-164.64	N/A	378.80	Axle Load	-299.81	Axle Load
23.80(B)	20.0	-149.19	N/A	383.64	Axle Load	-298.14	Axle Load
28.12(L)	23.6	59.07	N/A	447.90	Axle Load	-274.16	Axle Load
28.12(R)	23.6	59.07	N/A	447.90	Axle Load	-274.16	Axle Load

34.04(B)	28.6	300.68	N/A	519.90	Axle Load	-241.28	Axle Load
35.70(B)	30.0	359.17	N/A	536.14	Axle Load	-232.09	Axle Load
39.97(L)	33.6	491.92	N/A	568.87	Axle Load	-208.39	Axle Load
39.97(R)	33.6	491.92	N/A	568.87	Axle Load	-208.39	Axle Load
45.90(B)	38.6	632.33	N/A	595.14	Axle Load	-175.51	Axle Load
47.60(B)	40.0	663.41	N/A	598.34	Axle Load	-166.05	Axle Load
51.82(L)	43.5	722.38	N/A	598.33	Axle Load	-142.62	Axle Load
51.82(R)	43.5	722.38	N/A	598.33	Axle Load	-142.62	Axle Load
57.74(B)	48.5	761.59	N/A	585.18	Axle Load	-109.74	Axle Load
59.50(B)	50.0	763.54	N/A	576.79	Axle Load	-100.00	Axle Load
63.67(L)	53.5	750.44	N/A	549.36	Axle Load	-76.85	Axle Load
63.67(R)	53.5	750.44	N/A	549.36	Axle Load	-76.85	Axle Load
69.60(B)	58.5	688.45	N/A	492.36	Axle Load	-43.97	Axle Load
71.40(B)	60.0	659.56	N/A	471.17	Axle Load	-33.95	Axle Load
75.52(L)	63.5	576.10	N/A	417.55	Axle Load	-11.08	Axle Load
75.52(R)	63.5	576.10	N/A	417.55	Axle Load	-11.08	Axle Load
81.44(B)	68.4	412.91	N/A	328.41	Axle Load	-18.15	Axle Load
83.30(B)	70.0	351.47	N/A	298.26	Axle Load	-36.01	Axle Load
87.37(L)	73.4	199.36	N/A	232.16	Axle Load	-90.04	Axle Load
87.37(R)	73.4	199.36	N/A	232.16	Axle Load	-90.04	Axle Load
93.29(B)	78.4	-65.03	N/A	150.18	Axle Load	-198.14	Axle Load
95.20(B)	80.0	-160.73	N/A	125.32	Axle Load	-239.10	Axle Load
95.50(B)	80.3	-176.28	N/A	121.46	Axle Load	-245.79	Axle Load
99.22(L)	83.4	-379.78	N/A	120.46	Axle Load	-333.27	Axle Load
99.22(R)	83.4	-379.78	N/A	120.46	Axle Load	-333.27	Axle Load
104.00(B)	87.4	-670.79	N/A	146.99	Axle Load	-456.98	Axle Load
105.14(B)	88.4	-745.42	N/A	153.34	Axle Load	-488.09	Axle Load
107.10(B)	90.0	-877.40	N/A	164.19	Axle Load	-542.66	Axle Load
111.07(L)	93.3	-1163.17	N/A	186.23	Axle Load	-658.72	Axle Load
111.07(R)	93.3	-1163.17	N/A	186.23	Axle Load	-658.72	Axle Load
115.03(B)	96.7	-1472.63	N/A	208.23	Axle Load	-778.87	Axle Load
119.00(L)	100.0	-1805.80	N/A	230.24	Axle Load	-904.68	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	230.11	Axle Load	-904.25	Axle Load
2.21(B)	1.9	-1617.10	N/A	217.85	Axle Load	-834.12	Axle Load
4.42(L)	3.7	-1435.79	N/A	205.59	Axle Load	-764.98	Axle Load
4.42(R)	3.7	-1435.79	N/A	205.59	Axle Load	-764.98	Axle Load
10.35(B)	8.7	-986.53	N/A	172.72	Axle Load	-587.28	Axle Load
11.90(B)	10.0	-877.39	N/A	164.10	Axle Load	-542.98	Axle Load

15.00(B)	12.6	-670.71	N/A	146.90	Axle Load	-456.79	Axle Load
16.27(L)	13.7	-590.16	N/A	139.86	Axle Load	-422.66	Axle Load
16.27(R)	13.7	-590.16	N/A	139.86	Axle Load	-422.66	Axle Load
22.19(B)	18.7	-245.44	N/A	106.99	Axle Load	-275.45	Axle Load
23.50(B)	19.7	-176.28	N/A	121.35	Axle Load	-246.08	Axle Load
23.80(B)	20.0	-160.73	N/A	125.09	Axle Load	-239.46	Axle Load
28.12(L)	23.6	48.92	N/A	183.14	Axle Load	-150.25	Axle Load
28.12(R)	23.6	48.92	N/A	183.14	Axle Load	-150.25	Axle Load
34.04(B)	28.6	292.44	N/A	271.39	Axle Load	-55.51	Axle Load
35.70(B)	30.0	351.47	N/A	298.97	Axle Load	-36.17	Axle Load
39.97(L)	33.6	485.60	N/A	365.75	Axle Load	-3.14	Axle Load
39.97(R)	33.6	485.60	N/A	365.75	Axle Load	-3.14	Axle Load
45.90(B)	38.6	627.93	N/A	450.14	Axle Load	-24.47	Axle Load
47.60(B)	40.0	659.55	N/A	471.67	Axle Load	-33.93	Axle Load
51.82(L)	43.5	719.89	N/A	517.64	Axle Load	-57.34	Axle Load
51.82(R)	43.5	719.89	N/A	517.64	Axle Load	-57.34	Axle Load
57.74(B)	48.5	761.01	N/A	566.74	Axle Load	-90.20	Axle Load
59.50(B)	50.0	763.53	N/A	577.17	Axle Load	-99.94	Axle Load
63.67(L)	53.5	751.77	N/A	593.09	Axle Load	-123.07	Axle Load
63.67(R)	53.5	751.77	N/A	593.09	Axle Load	-123.07	Axle Load
69.60(B)	58.5	691.70	N/A	599.12	Axle Load	-155.94	Axle Load
71.40(B)	60.0	663.39	N/A	597.99	Axle Load	-165.95	Axle Load
75.52(L)	63.5	581.26	N/A	587.38	Axle Load	-188.80	Axle Load
75.52(R)	63.5	581.26	N/A	587.38	Axle Load	-188.80	Axle Load
81.44(B)	68.4	419.98	N/A	551.74	Axle Load	-221.67	Axle Load
83.30(B)	70.0	359.14	N/A	535.74	Axle Load	-231.96	Axle Load
87.37(L)	73.4	208.34	N/A	493.21	Axle Load	-254.53	Axle Load
87.37(R)	73.4	208.34	N/A	493.21	Axle Load	-254.53	Axle Load
93.29(B)	78.4	-54.13	N/A	413.05	Axle Load	-287.40	Axle Load
95.20(B)	80.0	-149.22	N/A	383.11	Axle Load	-297.97	Axle Load
95.50(B)	80.3	-164.67	N/A	378.35	Axle Load	-299.63	Axle Load
99.22(L)	83.4	-366.97	N/A	314.56	Axle Load	-320.27	Axle Load
99.22(R)	83.4	-366.97	N/A	314.56	Axle Load	-320.27	Axle Load
105.14(B)	88.4	-730.64	N/A	200.63	Axle Load	-353.13	Axle Load
106.00(B)	89.1	-787.28	N/A	183.25	Axle Load	-357.87	Axle Load
107.10(B)	90.0	-861.74	N/A	160.31	Axle Load	-363.98	Axle Load
111.07(L)	93.3	-1145.63	N/A	74.65	Axle Load	-386.00	Axle Load
111.07(R)	93.3	-1145.63	N/A	74.65	Axle Load	-386.00	Axle Load
115.03(B)	96.7	-1453.22	N/A	0.00	Axle Load	-407.99	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-429.98	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-429.98	Axle Load
2.21(B)	2.3	-1593.15	N/A	0.00	Axle Load	-367.59	Axle Load
4.42(L)	4.6	-1409.13	N/A	0.00	Axle Load	-353.41	Axle Load
4.42(R)	4.6	-1409.13	N/A	0.00	Axle Load	-353.41	Axle Load
9.52(B)	10.0	-1012.64	N/A	94.42	Axle Load	-333.54	Axle Load
10.80(B)	11.3	-920.11	N/A	121.92	Axle Load	-328.60	Axle Load
13.00(B)	13.6	-765.24	N/A	169.16	Axle Load	-320.02	Axle Load
17.17(L)	18.0	-491.76	N/A	256.56	Axle Load	-303.80	Axle Load
17.17(R)	18.0	-491.76	N/A	256.56	Axle Load	-303.80	Axle Load
19.05(B)	20.0	-376.78	N/A	294.81	Axle Load	-296.48	Axle Load
23.50(B)	24.7	-124.81	N/A	381.91	Axle Load	-279.17	Axle Load
23.55(B)	24.7	-122.41	N/A	382.76	Axle Load	-278.99	Axle Load
28.58(B)	30.0	127.87	N/A	472.91	Axle Load	-259.42	Axle Load
29.92(L)	31.4	188.64	N/A	495.16	Axle Load	-254.19	Axle Load
29.92(R)	31.4	188.64	N/A	495.16	Axle Load	-254.19	Axle Load
36.29(B)	38.1	440.88	N/A	587.99	Axle Load	-229.39	Axle Load
38.10(B)	40.0	501.71	N/A	609.71	Axle Load	-222.36	Axle Load
42.67(L)	44.8	634.82	N/A	655.29	Axle Load	-204.58	Axle Load
42.67(R)	44.8	634.82	N/A	655.29	Axle Load	-204.58	Axle Load
47.63(B)	50.0	744.89	N/A	687.64	Axle Load	-185.30	Axle Load
49.04(B)	51.5	769.94	N/A	693.33	Axle Load	-179.78	Axle Load
55.42(L)	58.2	846.76	N/A	707.76	Axle Load	-154.97	Axle Load
55.42(R)	58.2	846.76	N/A	707.76	Axle Load	-154.97	Axle Load
57.15(B)	60.0	857.41	N/A	707.77	Axle Load	-148.24	Axle Load
61.79(B)	64.9	864.77	N/A	694.83	Axle Load	-130.17	Axle Load
66.68(B)	70.0	839.15	N/A	659.66	Axle Load	-111.18	Axle Load
68.17(L)	71.6	824.47	N/A	644.34	Axle Load	-105.36	Axle Load
68.17(R)	71.6	824.47	N/A	644.34	Axle Load	-105.36	Axle Load
74.54(B)	78.3	725.36	N/A	555.17	Axle Load	-80.56	Axle Load
76.20(B)	80.0	690.09	N/A	527.91	Axle Load	-74.12	Axle Load
80.92(L)	85.0	567.94	N/A	434.31	Axle Load	-55.76	Axle Load
80.92(R)	85.0	567.94	N/A	434.31	Axle Load	-55.76	Axle Load
85.72(B)	90.0	410.38	N/A	314.29	Axle Load	-37.06	Axle Load
87.29(B)	91.6	351.71	N/A	269.53	Axle Load	-30.95	Axle Load
93.67(L)	98.3	77.18	N/A	59.27	Axle Load	-6.15	Axle Load
93.67(R)	98.3	77.18	N/A	59.27	Axle Load	-6.15	Axle Load
94.46(B)	99.2	39.04	N/A	29.99	Axle Load	-3.07	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary

Live Load: SU5

Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	38.42	Axle Load	-3.89	Axle Load
4.43(B)	4.6	43.59	N/A	35.89	Axle Load	-3.89	Axle Load
8.85(L)	9.3	37.24	N/A	33.38	Axle Load	-3.89	Axle Load
8.85(R)	9.3	37.16	N/A	33.38	Axle Load	-3.89	Axle Load
9.52(B)	10.0	36.19	N/A	33.00	Axle Load	-3.89	Axle Load
15.32(B)	16.1	27.87	N/A	29.76	Axle Load	-5.01	Axle Load
19.05(B)	20.0	22.52	N/A	27.71	Axle Load	-6.72	Axle Load
21.80(L)	22.9	18.58	N/A	26.22	Axle Load	-7.98	Axle Load
21.80(R)	22.9	18.50	N/A	26.22	Axle Load	-7.98	Axle Load
28.28(B)	29.7	9.21	N/A	22.79	Axle Load	-11.61	Axle Load
28.58(B)	30.0	8.78	N/A	22.64	Axle Load	-11.78	Axle Load
34.75(L)	36.5	-0.08	N/A	19.49	Axle Load	-15.19	Axle Load
34.75(R)	36.5	-0.16	N/A	19.49	Axle Load	-15.19	Axle Load
38.10(B)	40.0	-4.96	N/A	17.84	Axle Load	-17.00	Axle Load
41.22(B)	43.3	-9.45	N/A	16.35	Axle Load	-18.67	Axle Load
47.63(B)	50.0	-18.63	N/A	13.45	Axle Load	-22.06	Axle Load
47.70(L)	50.1	-18.74	N/A	13.42	Axle Load	-22.10	Axle Load
47.70(R)	50.1	-18.82	N/A	13.42	Axle Load	-22.10	Axle Load
54.17(B)	56.9	-28.11	N/A	10.73	Axle Load	-25.56	Axle Load
57.15(B)	60.0	-32.37	N/A	9.52	Axle Load	-27.00	Axle Load
60.65(L)	63.7	-37.40	N/A	8.16	Axle Load	-28.65	Axle Load
60.65(R)	63.7	-37.48	N/A	8.16	Axle Load	-28.65	Axle Load
66.68(B)	70.0	-46.12	N/A	6.05	Axle Load	-31.74	Axle Load
67.13(B)	70.5	-46.76	N/A	5.89	Axle Load	-31.93	Axle Load
71.75(B)	75.3	-53.40	N/A	4.41	Axle Load	-34.31	Axle Load
73.60(L)	77.3	-56.05	N/A	3.83	Axle Load	-35.07	Axle Load
73.60(R)	77.3	-56.13	N/A	3.83	Axle Load	-35.07	Axle Load

76.20(B)	80.0	-59.86	N/A	3.05	Axle Load	-36.11	Axle Load
80.07(B)	84.1	-65.42	N/A	1.97	Axle Load	-37.59	Axle Load
82.25(B)	86.4	-68.54	N/A	1.41	Axle Load	-38.63	Axle Load
85.72(B)	90.0	-73.79	N/A	0.56	Axle Load	-39.83	Axle Load
86.55(L)	90.9	-75.03	N/A	0.37	Axle Load	-40.10	Axle Load
86.55(R)	90.9	-75.11	N/A	0.37	Axle Load	-40.10	Axle Load
90.90(B)	95.4	-81.67	N/A	0.00	Axle Load	-41.91	Axle Load
95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-43.18	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	42.50	Axle Load	0.00	Axle Load
2.21(B)	1.9	83.24	N/A	39.47	Axle Load	0.00	Axle Load
4.42(L)	3.7	79.90	N/A	38.67	Axle Load	0.00	Axle Load
4.42(R)	3.7	79.82	N/A	38.67	Axle Load	0.00	Axle Load
10.35(B)	8.7	70.88	N/A	36.37	Axle Load	-0.95	Axle Load
11.90(B)	10.0	68.54	N/A	35.74	Axle Load	-1.43	Axle Load
13.00(B)	10.9	66.88	N/A	35.28	Axle Load	-1.78	Axle Load
16.27(L)	13.7	62.19	N/A	33.88	Axle Load	-2.87	Axle Load
16.27(R)	13.7	62.11	N/A	33.88	Axle Load	-2.87	Axle Load
22.19(B)	18.7	53.61	N/A	31.22	Axle Load	-5.03	Axle Load
23.50(B)	19.7	51.74	N/A	30.62	Axle Load	-5.54	Axle Load
23.80(B)	20.0	51.31	N/A	30.48	Axle Load	-5.66	Axle Load
28.12(L)	23.6	45.11	N/A	28.43	Axle Load	-7.41	Axle Load
28.12(R)	23.6	45.03	N/A	28.43	Axle Load	-7.41	Axle Load
34.04(B)	28.6	36.53	N/A	25.57	Axle Load	-9.96	Axle Load
35.70(B)	30.0	34.15	N/A	24.75	Axle Load	-10.71	Axle Load
39.97(L)	33.6	28.03	N/A	22.66	Axle Load	-12.67	Axle Load
39.97(R)	33.6	27.95	N/A	22.66	Axle Load	-12.67	Axle Load
45.90(B)	38.6	19.45	N/A	19.76	Axle Load	-15.49	Axle Load
47.60(B)	40.0	17.00	N/A	18.92	Axle Load	-16.31	Axle Load
51.82(L)	43.5	10.95	N/A	16.90	Axle Load	-18.38	Axle Load
51.82(R)	43.5	10.87	N/A	16.90	Axle Load	-18.38	Axle Load
57.74(B)	48.5	2.37	N/A	14.15	Axle Load	-21.29	Axle Load
59.50(B)	50.0	-0.15	N/A	13.39	Axle Load	-22.22	Axle Load
63.67(L)	53.5	-6.13	N/A	11.56	Axle Load	-24.26	Axle Load
63.67(R)	53.5	-6.21	N/A	11.56	Axle Load	-24.26	Axle Load
69.60(B)	58.5	-14.71	N/A	9.21	Axle Load	-27.36	Axle Load
71.40(B)	60.0	-17.30	N/A	8.50	Axle Load	-28.22	Axle Load
75.52(L)	63.5	-23.21	N/A	6.97	Axle Load	-30.12	Axle Load
75.52(R)	63.5	-23.29	N/A	6.97	Axle Load	-30.12	Axle Load

81.44(B)	68.4	-31.79	N/A	5.70	Axle Load	-33.15	Axle Load
83.30(B)	70.0	-34.45	N/A	5.70	Axle Load	-33.93	Axle Load
87.37(L)	73.4	-40.29	N/A	5.70	Axle Load	-35.58	Axle Load
87.37(R)	73.4	-40.37	N/A	5.70	Axle Load	-35.58	Axle Load
93.29(B)	78.4	-48.87	N/A	5.77	Axle Load	-38.25	Axle Load
95.20(B)	80.0	-51.61	N/A	5.77	Axle Load	-38.90	Axle Load
95.50(B)	80.3	-52.04	N/A	5.77	Axle Load	-39.00	Axle Load
99.22(L)	83.4	-57.37	N/A	5.77	Axle Load	-40.17	Axle Load
99.22(R)	83.4	-57.45	N/A	5.77	Axle Load	-40.17	Axle Load
104.00(B)	87.4	-64.31	N/A	5.82	Axle Load	-41.78	Axle Load
105.14(B)	88.4	-66.04	N/A	5.82	Axle Load	-42.05	Axle Load
107.10(B)	90.0	-68.99	N/A	5.82	Axle Load	-42.50	Axle Load
111.07(L)	93.3	-74.98	N/A	5.82	Axle Load	-43.27	Axle Load
111.07(R)	93.3	-75.06	N/A	5.82	Axle Load	-43.27	Axle Load
115.03(B)	96.7	-81.04	N/A	5.88	Axle Load	-44.39	Axle Load
119.00(L)	100.0	-87.02	N/A	5.88	Axle Load	-44.83	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	44.83	Axle Load	-5.88	Axle Load
2.21(B)	1.9	83.71	N/A	42.08	Axle Load	-5.55	Axle Load
4.42(L)	3.7	80.37	N/A	41.82	Axle Load	-5.55	Axle Load
4.42(R)	3.7	80.29	N/A	41.82	Axle Load	-5.55	Axle Load
10.35(B)	8.7	71.36	N/A	40.87	Axle Load	-5.55	Axle Load
11.90(B)	10.0	69.01	N/A	40.56	Axle Load	-5.55	Axle Load
15.00(B)	12.6	64.33	N/A	39.86	Axle Load	-5.55	Axle Load
16.27(L)	13.7	62.51	N/A	39.56	Axle Load	-5.55	Axle Load
16.27(R)	13.7	62.43	N/A	39.56	Axle Load	-5.55	Axle Load
22.19(B)	18.7	53.93	N/A	37.91	Axle Load	-5.55	Axle Load
23.50(B)	19.7	52.06	N/A	37.51	Axle Load	-5.55	Axle Load
23.80(B)	20.0	51.63	N/A	37.41	Axle Load	-5.55	Axle Load
28.12(L)	23.6	45.43	N/A	35.95	Axle Load	-5.55	Axle Load
28.12(R)	23.6	45.35	N/A	35.95	Axle Load	-5.55	Axle Load
34.04(B)	28.6	36.85	N/A	33.72	Axle Load	-5.55	Axle Load
35.70(B)	30.0	34.48	N/A	33.06	Axle Load	-5.55	Axle Load
39.97(L)	33.6	28.35	N/A	31.26	Axle Load	-5.70	Axle Load
39.97(R)	33.6	28.27	N/A	31.26	Axle Load	-5.70	Axle Load
45.90(B)	38.6	19.77	N/A	28.63	Axle Load	-7.75	Axle Load
47.60(B)	40.0	17.32	N/A	27.85	Axle Load	-8.39	Axle Load
51.82(L)	43.5	11.27	N/A	25.86	Axle Load	-10.06	Axle Load
51.82(R)	43.5	11.19	N/A	25.86	Axle Load	-10.06	Axle Load

57.74(B)	48.5	2.69	N/A	23.01	Axle Load	-12.57	Axle Load
59.50(B)	50.0	0.17	N/A	22.22	Axle Load	-13.40	Axle Load
63.67(L)	53.5	-5.81	N/A	20.17	Axle Load	-15.31	Axle Load
63.67(R)	53.5	-5.89	N/A	20.17	Axle Load	-15.31	Axle Load
69.60(B)	58.5	-14.39	N/A	17.42	Axle Load	-18.29	Axle Load
71.40(B)	60.0	-16.98	N/A	16.53	Axle Load	-19.18	Axle Load
75.52(L)	63.5	-22.89	N/A	14.52	Axle Load	-21.21	Axle Load
75.52(R)	63.5	-22.97	N/A	14.52	Axle Load	-21.21	Axle Load
81.44(B)	68.4	-31.47	N/A	11.86	Axle Load	-24.48	Axle Load
83.30(B)	70.0	-34.13	N/A	10.99	Axle Load	-25.41	Axle Load
87.37(L)	73.4	-39.97	N/A	9.14	Axle Load	-27.46	Axle Load
87.37(R)	73.4	-40.05	N/A	9.14	Axle Load	-27.46	Axle Load
93.29(B)	78.4	-48.55	N/A	6.67	Axle Load	-30.76	Axle Load
95.20(B)	80.0	-51.28	N/A	5.88	Axle Load	-31.69	Axle Load
95.50(B)	80.3	-51.71	N/A	5.76	Axle Load	-31.84	Axle Load
99.22(L)	83.4	-57.05	N/A	4.29	Axle Load	-33.62	Axle Load
99.22(R)	83.4	-57.13	N/A	4.29	Axle Load	-33.62	Axle Load
105.14(B)	88.4	-65.63	N/A	2.16	Axle Load	-36.59	Axle Load
106.00(B)	89.1	-66.86	N/A	1.87	Axle Load	-36.96	Axle Load
107.10(B)	90.0	-68.52	N/A	1.49	Axle Load	-37.44	Axle Load
111.07(L)	93.3	-74.51	N/A	0.23	Axle Load	-39.12	Axle Load
111.07(R)	93.3	-74.59	N/A	0.23	Axle Load	-39.12	Axle Load
115.03(B)	96.7	-80.57	N/A	0.00	Axle Load	-41.16	Axle Load
119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-42.66	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	43.34	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	40.30	Axle Load	0.00	Axle Load
4.42(L)	4.6	81.60	N/A	39.68	Axle Load	0.00	Axle Load
4.42(R)	4.6	81.52	N/A	39.68	Axle Load	0.00	Axle Load
9.52(B)	10.0	73.82	N/A	38.13	Axle Load	-0.54	Axle Load
10.80(B)	11.3	71.90	N/A	37.71	Axle Load	-0.83	Axle Load
13.00(B)	13.6	68.57	N/A	36.98	Axle Load	-1.35	Axle Load
17.17(L)	18.0	62.59	N/A	35.51	Axle Load	-2.42	Axle Load
17.17(R)	18.0	62.51	N/A	35.51	Axle Load	-2.42	Axle Load
19.05(B)	20.0	59.81	N/A	34.81	Axle Load	-2.94	Axle Load
23.50(B)	24.7	53.43	N/A	33.08	Axle Load	-4.25	Axle Load
23.55(B)	24.7	53.37	N/A	33.06	Axle Load	-4.27	Axle Load
28.58(B)	30.0	46.15	N/A	30.97	Axle Load	-5.90	Axle Load
29.92(L)	31.4	44.22	N/A	30.39	Axle Load	-6.37	Axle Load

29.92(R)	31.4	44.14	N/A	30.39	Axle Load	-6.37	Axle Load
36.29(B)	38.1	34.99	N/A	27.52	Axle Load	-8.70	Axle Load
38.10(B)	40.0	32.40	N/A	26.67	Axle Load	-9.41	Axle Load
42.67(L)	44.8	25.85	N/A	24.47	Axle Load	-11.27	Axle Load
42.67(R)	44.8	25.77	N/A	24.47	Axle Load	-11.27	Axle Load
47.63(B)	50.0	18.66	N/A	22.06	Axle Load	-13.45	Axle Load
49.04(B)	51.5	16.62	N/A	21.33	Axle Load	-14.09	Axle Load
55.42(L)	58.2	7.48	N/A	18.15	Axle Load	-17.22	Axle Load
55.42(R)	58.2	7.40	N/A	18.15	Axle Load	-17.22	Axle Load
57.15(B)	60.0	4.92	N/A	17.21	Axle Load	-18.07	Axle Load
61.79(B)	64.9	-1.75	N/A	14.66	Axle Load	-20.39	Axle Load
66.68(B)	70.0	-8.75	N/A	12.07	Axle Load	-23.20	Axle Load
68.17(L)	71.6	-10.89	N/A	11.21	Axle Load	-24.00	Axle Load
68.17(R)	71.6	-10.97	N/A	11.21	Axle Load	-24.00	Axle Load
74.54(B)	78.3	-20.12	N/A	7.76	Axle Load	-27.81	Axle Load
76.20(B)	80.0	-22.49	N/A	6.98	Axle Load	-28.75	Axle Load
80.92(L)	85.0	-29.27	N/A	4.72	Axle Load	-31.44	Axle Load
80.92(R)	85.0	-29.35	N/A	4.72	Axle Load	-31.44	Axle Load
85.72(B)	90.0	-36.24	N/A	4.08	Axle Load	-34.64	Axle Load
87.29(B)	91.6	-38.49	N/A	4.08	Axle Load	-35.57	Axle Load
93.67(L)	98.3	-47.64	N/A	4.13	Axle Load	-39.85	Axle Load
93.67(R)	98.3	-47.72	N/A	4.13	Axle Load	-39.85	Axle Load
94.46(B)	99.2	-48.85	N/A	4.13	Axle Load	-40.33	Axle Load
95.25(L)	100.0	-49.98	N/A	4.13	Axle Load	-40.81	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: SU6
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	41.45	Axle Load	-4.35	Axle Load
2	174.81	N/A	50.58	Axle Load	0.00	Axle Load
3	174.06	N/A	50.60	Axle Load	-6.57	Axle Load

4	174.81	N/A	50.77	Axle Load	0.00	Axle Load
5	49.98	N/A	44.03	Axle Load	-4.62	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary

Live Load: SU6

Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	170.92	Axle Load	-19.23	Axle Load
8.85(L)	9.3	385.73	N/A	317.26	Axle Load	-38.46	Axle Load
8.85(R)	9.3	385.73	N/A	317.26	Axle Load	-38.46	Axle Load
9.52(B)	10.0	410.49	N/A	339.07	Axle Load	-41.39	Axle Load
15.32(B)	16.1	596.25	N/A	503.15	Axle Load	-66.60	Axle Load
19.05(B)	20.0	690.11	N/A	586.94	Axle Load	-82.79	Axle Load
21.80(L)	22.9	746.63	N/A	638.31	Axle Load	-94.74	Axle Load
21.80(R)	22.9	746.63	N/A	638.31	Axle Load	-94.74	Axle Load
28.28(B)	29.7	836.34	N/A	725.00	Axle Load	-122.88	Axle Load
28.58(B)	30.0	839.04	N/A	727.89	Axle Load	-124.18	Axle Load
34.75(L)	36.5	865.90	N/A	776.56	Axle Load	-151.02	Axle Load
34.75(R)	36.5	865.90	N/A	776.56	Axle Load	-151.02	Axle Load
38.10(B)	40.0	857.32	N/A	786.96	Axle Load	-165.58	Axle Load
41.22(B)	43.3	834.80	N/A	786.84	Axle Load	-179.16	Axle Load
47.63(B)	50.0	744.95	N/A	765.29	Axle Load	-206.97	Axle Load
47.70(L)	50.1	743.55	N/A	764.87	Axle Load	-207.30	Axle Load
47.70(R)	50.1	743.55	N/A	764.87	Axle Load	-207.30	Axle Load
54.17(B)	56.9	591.63	N/A	710.19	Axle Load	-235.44	Axle Load
57.15(B)	60.0	501.67	N/A	673.98	Axle Load	-248.37	Axle Load
60.65(L)	63.7	379.57	N/A	623.74	Axle Load	-263.58	Axle Load
60.65(R)	63.7	379.57	N/A	623.74	Axle Load	-263.58	Axle Load
66.68(B)	70.0	127.75	N/A	519.22	Axle Load	-289.76	Axle Load
67.13(B)	70.5	106.85	N/A	510.65	Axle Load	-291.72	Axle Load
71.75(B)	75.3	-124.78	N/A	417.28	Axle Load	-311.82	Axle Load
73.60(L)	77.3	-226.03	N/A	377.90	Axle Load	-319.85	Axle Load
73.60(R)	77.3	-226.03	N/A	377.90	Axle Load	-319.85	Axle Load
76.20(B)	80.0	-376.82	N/A	320.29	Axle Load	-331.15	Axle Load
80.07(B)	84.1	-619.56	N/A	232.14	Axle Load	-347.99	Axle Load
82.25(B)	86.4	-765.25	N/A	181.30	Axle Load	-357.45	Axle Load
85.72(B)	90.0	-1012.55	N/A	98.78	Axle Load	-372.55	Axle Load

86.55(L)	90.9	-1073.93	N/A	78.90	Axle Load	-376.13	Axle Load
86.55(R)	90.9	-1073.93	N/A	78.90	Axle Load	-376.13	Axle Load
90.90(B)	95.4	-1414.93	N/A	0.00	Axle Load	-395.04	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-480.96	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-480.96	Axle Load
2.21(B)	1.9	-1596.84	N/A	0.00	Axle Load	-467.25	Axle Load
4.42(L)	3.7	-1416.57	N/A	0.00	Axle Load	-453.54	Axle Load
4.42(R)	3.7	-1416.57	N/A	0.00	Axle Load	-453.54	Axle Load
10.35(B)	8.7	-970.10	N/A	133.97	Axle Load	-416.78	Axle Load
11.90(B)	10.0	-861.70	N/A	170.85	Axle Load	-407.13	Axle Load
13.00(B)	10.9	-787.22	N/A	196.23	Axle Load	-400.30	Axle Load
16.27(L)	13.7	-576.19	N/A	268.66	Axle Load	-380.01	Axle Load
16.27(R)	13.7	-576.19	N/A	268.66	Axle Load	-380.01	Axle Load
22.19(B)	18.7	-233.38	N/A	389.92	Axle Load	-343.25	Axle Load
23.50(B)	19.7	-164.64	N/A	414.43	Axle Load	-335.15	Axle Load
23.80(B)	20.0	-149.19	N/A	419.85	Axle Load	-333.29	Axle Load
28.12(L)	23.6	59.07	N/A	492.54	Axle Load	-306.49	Axle Load
28.12(R)	23.6	59.07	N/A	492.54	Axle Load	-306.49	Axle Load
34.04(B)	28.6	300.68	N/A	574.20	Axle Load	-269.73	Axle Load
35.70(B)	30.0	359.17	N/A	592.71	Axle Load	-259.46	Axle Load
39.97(L)	33.6	491.92	N/A	630.77	Axle Load	-232.96	Axle Load
39.97(R)	33.6	491.92	N/A	630.77	Axle Load	-232.96	Axle Load
45.90(B)	38.6	632.33	N/A	661.89	Axle Load	-196.20	Axle Load
47.60(B)	40.0	663.41	N/A	665.92	Axle Load	-185.62	Axle Load
51.82(L)	43.5	722.38	N/A	666.70	Axle Load	-159.44	Axle Load
51.82(R)	43.5	722.38	N/A	666.70	Axle Load	-159.44	Axle Load
57.74(B)	48.5	761.59	N/A	650.43	Axle Load	-122.68	Axle Load
59.50(B)	50.0	763.54	N/A	640.60	Axle Load	-111.79	Axle Load
63.67(L)	53.5	750.44	N/A	608.79	Axle Load	-85.91	Axle Load
63.67(R)	53.5	750.44	N/A	608.79	Axle Load	-85.91	Axle Load
69.60(B)	58.5	688.45	N/A	544.37	Axle Load	-49.15	Axle Load
71.40(B)	60.0	659.56	N/A	520.55	Axle Load	-37.95	Axle Load
75.52(L)	63.5	576.10	N/A	460.36	Axle Load	-12.39	Axle Load
75.52(R)	63.5	576.10	N/A	460.36	Axle Load	-12.39	Axle Load
81.44(B)	68.4	412.91	N/A	361.82	Axle Load	-20.15	Axle Load
83.30(B)	70.0	351.47	N/A	328.63	Axle Load	-39.87	Axle Load
87.37(L)	73.4	199.36	N/A	256.02	Axle Load	-100.18	Axle Load
87.37(R)	73.4	199.36	N/A	256.02	Axle Load	-100.18	Axle Load

93.29(B)	78.4	-65.03	N/A	159.86	Axle Load	-221.15	Axle Load
95.20(B)	80.0	-160.73	N/A	133.17	Axle Load	-266.94	Axle Load
95.50(B)	80.3	-176.28	N/A	129.52	Axle Load	-274.35	Axle Load
99.22(L)	83.4	-379.78	N/A	134.66	Axle Load	-372.16	Axle Load
99.22(R)	83.4	-379.78	N/A	134.66	Axle Load	-372.16	Axle Load
104.00(B)	87.4	-670.79	N/A	164.32	Axle Load	-510.58	Axle Load
105.14(B)	88.4	-745.42	N/A	171.42	Axle Load	-545.60	Axle Load
107.10(B)	90.0	-877.40	N/A	183.55	Axle Load	-606.86	Axle Load
111.07(L)	93.3	-1163.17	N/A	208.18	Axle Load	-735.98	Axle Load
111.07(R)	93.3	-1163.17	N/A	208.18	Axle Load	-735.98	Axle Load
115.03(B)	96.7	-1472.63	N/A	232.78	Axle Load	-870.79	Axle Load
119.00(L)	100.0	-1805.80	N/A	257.39	Axle Load	-1011.83	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	257.29	Axle Load	-1011.87	Axle Load
2.21(B)	1.9	-1617.10	N/A	243.58	Axle Load	-932.83	Axle Load
4.42(L)	3.7	-1435.79	N/A	229.87	Axle Load	-855.20	Axle Load
4.42(R)	3.7	-1435.79	N/A	229.87	Axle Load	-855.20	Axle Load
10.35(B)	8.7	-986.53	N/A	193.12	Axle Load	-656.70	Axle Load
11.90(B)	10.0	-877.39	N/A	183.48	Axle Load	-607.07	Axle Load
15.00(B)	12.6	-670.71	N/A	164.25	Axle Load	-510.54	Axle Load
16.27(L)	13.7	-590.16	N/A	156.38	Axle Load	-472.71	Axle Load
16.27(R)	13.7	-590.16	N/A	156.38	Axle Load	-472.71	Axle Load
22.19(B)	18.7	-245.44	N/A	119.63	Axle Load	-307.70	Axle Load
23.50(B)	19.7	-176.28	N/A	129.81	Axle Load	-274.37	Axle Load
23.80(B)	20.0	-160.73	N/A	133.43	Axle Load	-266.79	Axle Load
28.12(L)	23.6	48.92	N/A	198.50	Axle Load	-167.63	Axle Load
28.12(R)	23.6	48.92	N/A	198.50	Axle Load	-167.63	Axle Load
34.04(B)	28.6	292.44	N/A	298.97	Axle Load	-61.70	Axle Load
35.70(B)	30.0	351.47	N/A	329.08	Axle Load	-39.84	Axle Load
39.97(L)	33.6	485.60	N/A	403.12	Axle Load	-3.32	Axle Load
39.97(R)	33.6	485.60	N/A	403.12	Axle Load	-3.32	Axle Load
45.90(B)	38.6	627.93	N/A	496.86	Axle Load	-27.36	Axle Load
47.60(B)	40.0	659.55	N/A	520.86	Axle Load	-37.94	Axle Load
51.82(L)	43.5	719.89	N/A	572.95	Axle Load	-64.11	Axle Load
51.82(R)	43.5	719.89	N/A	572.95	Axle Load	-64.11	Axle Load
57.74(B)	48.5	761.01	N/A	628.82	Axle Load	-100.86	Axle Load
59.50(B)	50.0	763.53	N/A	640.82	Axle Load	-111.74	Axle Load
63.67(L)	53.5	751.77	N/A	659.98	Axle Load	-137.61	Axle Load
63.67(R)	53.5	751.77	N/A	659.98	Axle Load	-137.61	Axle Load

69.60(B)	58.5	691.70	N/A	667.52	Axle Load	-174.36	Axle Load
71.40(B)	60.0	663.39	N/A	665.70	Axle Load	-185.55	Axle Load
75.52(L)	63.5	581.26	N/A	652.38	Axle Load	-211.10	Axle Load
75.52(R)	63.5	581.26	N/A	652.38	Axle Load	-211.10	Axle Load
81.44(B)	68.4	419.98	N/A	610.87	Axle Load	-247.85	Axle Load
83.30(B)	70.0	359.14	N/A	592.45	Axle Load	-259.36	Axle Load
87.37(L)	73.4	208.34	N/A	543.66	Axle Load	-284.60	Axle Load
87.37(R)	73.4	208.34	N/A	543.66	Axle Load	-284.60	Axle Load
93.29(B)	78.4	-54.13	N/A	453.19	Axle Load	-321.35	Axle Load
95.20(B)	80.0	-149.22	N/A	419.51	Axle Load	-333.16	Axle Load
95.50(B)	80.3	-164.67	N/A	414.12	Axle Load	-335.02	Axle Load
99.22(L)	83.4	-366.97	N/A	342.44	Axle Load	-358.10	Axle Load
99.22(R)	83.4	-366.97	N/A	342.44	Axle Load	-358.10	Axle Load
105.14(B)	88.4	-730.64	N/A	215.32	Axle Load	-394.84	Axle Load
106.00(B)	89.1	-787.28	N/A	195.91	Axle Load	-400.15	Axle Load
107.10(B)	90.0	-861.74	N/A	170.29	Axle Load	-406.97	Axle Load
111.07(L)	93.3	-1145.63	N/A	75.12	Axle Load	-431.59	Axle Load
111.07(R)	93.3	-1145.63	N/A	75.12	Axle Load	-431.59	Axle Load
115.03(B)	96.7	-1453.22	N/A	0.00	Axle Load	-456.18	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-480.78	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-480.78	Axle Load
2.21(B)	2.3	-1593.15	N/A	0.00	Axle Load	-410.49	Axle Load
4.42(L)	4.6	-1409.13	N/A	0.00	Axle Load	-394.79	Axle Load
4.42(R)	4.6	-1409.13	N/A	0.00	Axle Load	-394.79	Axle Load
9.52(B)	10.0	-1012.64	N/A	98.73	Axle Load	-372.60	Axle Load
10.80(B)	11.3	-920.11	N/A	129.08	Axle Load	-367.08	Axle Load
13.00(B)	13.6	-765.24	N/A	181.34	Axle Load	-357.50	Axle Load
17.17(L)	18.0	-491.76	N/A	278.11	Axle Load	-339.37	Axle Load
17.17(R)	18.0	-491.76	N/A	278.11	Axle Load	-339.37	Axle Load
19.05(B)	20.0	-376.78	N/A	320.53	Axle Load	-331.20	Axle Load
23.50(B)	24.7	-124.81	N/A	417.48	Axle Load	-311.86	Axle Load
23.55(B)	24.7	-122.41	N/A	418.43	Axle Load	-311.66	Axle Load
28.58(B)	30.0	127.87	N/A	519.26	Axle Load	-289.80	Axle Load
29.92(L)	31.4	188.64	N/A	544.26	Axle Load	-283.95	Axle Load
29.92(R)	31.4	188.64	N/A	544.26	Axle Load	-283.95	Axle Load
36.29(B)	38.1	440.88	N/A	649.18	Axle Load	-256.24	Axle Load
38.10(B)	40.0	501.71	N/A	674.01	Axle Load	-248.40	Axle Load
42.67(L)	44.8	634.82	N/A	726.75	Axle Load	-228.54	Axle Load

42.67(R)	44.8	634.82	N/A	726.75	Axle Load	-228.54	Axle Load
47.63(B)	50.0	744.89	N/A	765.11	Axle Load	-207.00	Axle Load
49.04(B)	51.5	769.94	N/A	772.21	Axle Load	-200.83	Axle Load
55.42(L)	58.2	846.76	N/A	788.00	Axle Load	-173.12	Axle Load
55.42(R)	58.2	846.76	N/A	788.00	Axle Load	-173.12	Axle Load
57.15(B)	60.0	857.41	N/A	786.93	Axle Load	-165.60	Axle Load
61.79(B)	64.9	864.77	N/A	769.31	Axle Load	-145.41	Axle Load
66.68(B)	70.0	839.15	N/A	727.81	Axle Load	-124.20	Axle Load
68.17(L)	71.6	824.47	N/A	712.43	Axle Load	-117.70	Axle Load
68.17(R)	71.6	824.47	N/A	712.43	Axle Load	-117.70	Axle Load
74.54(B)	78.3	725.36	N/A	618.92	Axle Load	-89.99	Axle Load
76.20(B)	80.0	690.09	N/A	586.96	Axle Load	-82.80	Axle Load
80.92(L)	85.0	567.94	N/A	477.95	Axle Load	-62.28	Axle Load
80.92(R)	85.0	567.94	N/A	477.95	Axle Load	-62.28	Axle Load
85.72(B)	90.0	410.38	N/A	339.07	Axle Load	-41.40	Axle Load
87.29(B)	91.6	351.71	N/A	289.50	Axle Load	-34.58	Axle Load
93.67(L)	98.3	77.18	N/A	63.89	Axle Load	-6.87	Axle Load
93.67(R)	98.3	77.18	N/A	63.89	Axle Load	-6.87	Axle Load
94.46(B)	99.2	39.04	N/A	32.34	Axle Load	-3.43	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: SU6
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	41.45	Axle Load	-4.35	Axle Load
4.43(B)	4.6	43.59	N/A	38.63	Axle Load	-4.35	Axle Load
8.85(L)	9.3	37.24	N/A	35.83	Axle Load	-4.35	Axle Load
8.85(R)	9.3	37.16	N/A	35.83	Axle Load	-4.35	Axle Load
9.52(B)	10.0	36.19	N/A	35.41	Axle Load	-4.35	Axle Load

15.32(B)	16.1	27.87	N/A	31.81	Axle Load	-4.35	Axle Load
19.05(B)	20.0	22.52	N/A	29.54	Axle Load	-6.29	Axle Load
21.80(L)	22.9	18.58	N/A	27.89	Axle Load	-7.76	Axle Load
21.80(R)	22.9	18.50	N/A	27.89	Axle Load	-7.76	Axle Load
28.28(B)	29.7	9.21	N/A	24.10	Axle Load	-11.42	Axle Load
28.58(B)	30.0	8.78	N/A	23.93	Axle Load	-11.61	Axle Load
34.75(L)	36.5	-0.08	N/A	20.47	Axle Load	-15.46	Axle Load
34.75(R)	36.5	-0.16	N/A	20.47	Axle Load	-15.46	Axle Load
38.10(B)	40.0	-4.96	N/A	18.66	Axle Load	-17.52	Axle Load
41.22(B)	43.3	-9.45	N/A	17.02	Axle Load	-19.41	Axle Load
47.63(B)	50.0	-18.63	N/A	13.85	Axle Load	-23.26	Axle Load
47.70(L)	50.1	-18.74	N/A	13.82	Axle Load	-23.30	Axle Load
47.70(R)	50.1	-18.82	N/A	13.82	Axle Load	-23.30	Axle Load
54.17(B)	56.9	-28.11	N/A	10.90	Axle Load	-27.23	Axle Load
57.15(B)	60.0	-32.37	N/A	9.59	Axle Load	-28.88	Axle Load
60.65(L)	63.7	-37.40	N/A	8.11	Axle Load	-30.78	Axle Load
60.65(R)	63.7	-37.48	N/A	8.11	Axle Load	-30.78	Axle Load
66.68(B)	70.0	-46.12	N/A	5.84	Axle Load	-34.30	Axle Load
67.13(B)	70.5	-46.76	N/A	5.67	Axle Load	-34.53	Axle Load
71.75(B)	75.3	-53.40	N/A	4.08	Axle Load	-37.24	Axle Load
73.60(L)	77.3	-56.05	N/A	3.46	Axle Load	-38.13	Axle Load
73.60(R)	77.3	-56.13	N/A	3.46	Axle Load	-38.13	Axle Load
76.20(B)	80.0	-59.86	N/A	2.64	Axle Load	-39.33	Axle Load
80.07(B)	84.1	-65.42	N/A	1.49	Axle Load	-41.05	Axle Load
82.25(B)	86.4	-68.54	N/A	0.90	Axle Load	-42.26	Axle Load
85.72(B)	90.0	-73.79	N/A	0.01	Axle Load	-43.66	Axle Load
86.55(L)	90.9	-75.03	N/A	0.00	Axle Load	-43.98	Axle Load
86.55(R)	90.9	-75.11	N/A	0.00	Axle Load	-43.98	Axle Load
90.90(B)	95.4	-81.67	N/A	0.00	Axle Load	-46.08	Axle Load
95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-47.57	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	46.56	Axle Load	0.00	Axle Load
2.21(B)	1.9	83.24	N/A	43.20	Axle Load	0.00	Axle Load
4.42(L)	3.7	79.90	N/A	42.26	Axle Load	0.00	Axle Load
4.42(R)	3.7	79.82	N/A	42.26	Axle Load	0.00	Axle Load
10.35(B)	8.7	70.88	N/A	39.59	Axle Load	-0.25	Axle Load
11.90(B)	10.0	68.54	N/A	38.86	Axle Load	-0.76	Axle Load
13.00(B)	10.9	66.88	N/A	38.32	Axle Load	-1.13	Axle Load
16.27(L)	13.7	62.19	N/A	36.71	Axle Load	-2.29	Axle Load

16.27(R)	13.7	62.11	N/A	36.71	Axle Load	-2.29	Axle Load
22.19(B)	18.7	53.61	N/A	33.67	Axle Load	-4.61	Axle Load
23.50(B)	19.7	51.74	N/A	32.98	Axle Load	-5.15	Axle Load
23.80(B)	20.0	51.31	N/A	32.83	Axle Load	-5.28	Axle Load
28.12(L)	23.6	45.11	N/A	30.51	Axle Load	-7.16	Axle Load
28.12(R)	23.6	45.03	N/A	30.51	Axle Load	-7.16	Axle Load
34.04(B)	28.6	36.53	N/A	27.27	Axle Load	-9.95	Axle Load
35.70(B)	30.0	34.15	N/A	26.36	Axle Load	-10.76	Axle Load
39.97(L)	33.6	28.03	N/A	24.01	Axle Load	-12.91	Axle Load
39.97(R)	33.6	27.95	N/A	24.01	Axle Load	-12.91	Axle Load
45.90(B)	38.6	19.45	N/A	20.78	Axle Load	-16.02	Axle Load
47.60(B)	40.0	17.00	N/A	19.86	Axle Load	-16.93	Axle Load
51.82(L)	43.5	10.95	N/A	17.63	Axle Load	-19.22	Axle Load
51.82(R)	43.5	10.87	N/A	17.63	Axle Load	-19.22	Axle Load
57.74(B)	48.5	2.37	N/A	14.60	Axle Load	-22.47	Axle Load
59.50(B)	50.0	-0.15	N/A	13.78	Axle Load	-23.52	Axle Load
63.67(L)	53.5	-6.13	N/A	11.79	Axle Load	-25.81	Axle Load
63.67(R)	53.5	-6.21	N/A	11.79	Axle Load	-25.81	Axle Load
69.60(B)	58.5	-14.71	N/A	9.25	Axle Load	-29.31	Axle Load
71.40(B)	60.0	-17.30	N/A	8.49	Axle Load	-30.28	Axle Load
75.52(L)	63.5	-23.21	N/A	6.87	Axle Load	-32.45	Axle Load
75.52(R)	63.5	-23.29	N/A	6.87	Axle Load	-32.45	Axle Load
81.44(B)	68.4	-31.79	N/A	6.37	Axle Load	-35.90	Axle Load
83.30(B)	70.0	-34.45	N/A	6.37	Axle Load	-36.81	Axle Load
87.37(L)	73.4	-40.29	N/A	6.37	Axle Load	-38.73	Axle Load
87.37(R)	73.4	-40.37	N/A	6.37	Axle Load	-38.73	Axle Load
93.29(B)	78.4	-48.87	N/A	6.45	Axle Load	-41.82	Axle Load
95.20(B)	80.0	-51.61	N/A	6.45	Axle Load	-42.60	Axle Load
95.50(B)	80.3	-52.04	N/A	6.45	Axle Load	-42.72	Axle Load
99.22(L)	83.4	-57.37	N/A	6.45	Axle Load	-44.12	Axle Load
99.22(R)	83.4	-57.45	N/A	6.45	Axle Load	-44.12	Axle Load
104.00(B)	87.4	-64.31	N/A	6.50	Axle Load	-46.05	Axle Load
105.14(B)	88.4	-66.04	N/A	6.50	Axle Load	-46.39	Axle Load
107.10(B)	90.0	-68.99	N/A	6.50	Axle Load	-46.95	Axle Load
111.07(L)	93.3	-74.98	N/A	6.50	Axle Load	-47.94	Axle Load
111.07(R)	93.3	-75.06	N/A	6.50	Axle Load	-47.94	Axle Load
115.03(B)	96.7	-81.04	N/A	6.57	Axle Load	-49.30	Axle Load
119.00(L)	100.0	-87.02	N/A	6.57	Axle Load	-49.92	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load

0.00(R)	0.0	87.04	N/A	49.91	Axle Load	-6.57	Axle Load
2.21(B)	1.9	83.71	N/A	46.79	Axle Load	-6.20	Axle Load
4.42(L)	3.7	80.37	N/A	46.43	Axle Load	-6.20	Axle Load
4.42(R)	3.7	80.29	N/A	46.43	Axle Load	-6.20	Axle Load
10.35(B)	8.7	71.36	N/A	45.20	Axle Load	-6.20	Axle Load
11.90(B)	10.0	69.01	N/A	44.81	Axle Load	-6.20	Axle Load
15.00(B)	12.6	64.33	N/A	43.94	Axle Load	-6.20	Axle Load
16.27(L)	13.7	62.51	N/A	43.56	Axle Load	-6.20	Axle Load
16.27(R)	13.7	62.43	N/A	43.56	Axle Load	-6.20	Axle Load
22.19(B)	18.7	53.93	N/A	41.57	Axle Load	-6.20	Axle Load
23.50(B)	19.7	52.06	N/A	41.08	Axle Load	-6.20	Axle Load
23.80(B)	20.0	51.63	N/A	40.97	Axle Load	-6.20	Axle Load
28.12(L)	23.6	45.43	N/A	39.24	Axle Load	-6.20	Axle Load
28.12(R)	23.6	45.35	N/A	39.24	Axle Load	-6.20	Axle Load
34.04(B)	28.6	36.85	N/A	36.63	Axle Load	-6.20	Axle Load
35.70(B)	30.0	34.48	N/A	35.86	Axle Load	-6.20	Axle Load
39.97(L)	33.6	28.35	N/A	33.79	Axle Load	-6.20	Axle Load
39.97(R)	33.6	28.27	N/A	33.79	Axle Load	-6.20	Axle Load
45.90(B)	38.6	19.77	N/A	30.78	Axle Load	-7.71	Axle Load
47.60(B)	40.0	17.32	N/A	29.88	Axle Load	-8.38	Axle Load
51.82(L)	43.5	11.27	N/A	27.63	Axle Load	-10.17	Axle Load
51.82(R)	43.5	11.19	N/A	27.63	Axle Load	-10.17	Axle Load
57.74(B)	48.5	2.69	N/A	24.40	Axle Load	-12.89	Axle Load
59.50(B)	50.0	0.17	N/A	23.52	Axle Load	-13.78	Axle Load
63.67(L)	53.5	-5.81	N/A	21.22	Axle Load	-15.87	Axle Load
63.67(R)	53.5	-5.89	N/A	21.22	Axle Load	-15.87	Axle Load
69.60(B)	58.5	-14.39	N/A	18.14	Axle Load	-19.16	Axle Load
71.40(B)	60.0	-16.98	N/A	17.15	Axle Load	-20.13	Axle Load
75.52(L)	63.5	-22.89	N/A	14.93	Axle Load	-22.39	Axle Load
75.52(R)	63.5	-22.97	N/A	14.93	Axle Load	-22.39	Axle Load
81.44(B)	68.4	-31.47	N/A	11.99	Axle Load	-26.02	Axle Load
83.30(B)	70.0	-34.13	N/A	11.04	Axle Load	-27.06	Axle Load
87.37(L)	73.4	-39.97	N/A	9.02	Axle Load	-29.36	Axle Load
87.37(R)	73.4	-40.05	N/A	9.02	Axle Load	-29.36	Axle Load
93.29(B)	78.4	-48.55	N/A	6.34	Axle Load	-33.08	Axle Load
95.20(B)	80.0	-51.28	N/A	5.48	Axle Load	-34.13	Axle Load
95.50(B)	80.3	-51.71	N/A	5.35	Axle Load	-34.30	Axle Load
99.22(L)	83.4	-57.05	N/A	3.78	Axle Load	-36.33	Axle Load
99.22(R)	83.4	-57.13	N/A	3.78	Axle Load	-36.33	Axle Load
105.14(B)	88.4	-65.63	N/A	1.50	Axle Load	-39.72	Axle Load
106.00(B)	89.1	-66.86	N/A	1.18	Axle Load	-40.15	Axle Load
107.10(B)	90.0	-68.52	N/A	0.79	Axle Load	-40.71	Axle Load
111.07(L)	93.3	-74.51	N/A	0.00	Axle Load	-42.65	Axle Load

111.07(R)	93.3	-74.59	N/A	0.00	Axle Load	-42.65	Axle Load
115.03(B)	96.7	-80.57	N/A	0.00	Axle Load	-44.99	Axle Load
119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-46.74	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	47.74	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	44.35	Axle Load	0.00	Axle Load
4.42(L)	4.6	81.60	N/A	43.62	Axle Load	0.00	Axle Load
4.42(R)	4.6	81.52	N/A	43.62	Axle Load	0.00	Axle Load
9.52(B)	10.0	73.82	N/A	41.79	Axle Load	-0.01	Axle Load
10.80(B)	11.3	71.90	N/A	41.31	Axle Load	-0.32	Axle Load
13.00(B)	13.6	68.57	N/A	40.45	Axle Load	-0.86	Axle Load
17.17(L)	18.0	62.59	N/A	38.73	Axle Load	-1.99	Axle Load
17.17(R)	18.0	62.51	N/A	38.73	Axle Load	-1.99	Axle Load
19.05(B)	20.0	59.81	N/A	37.91	Axle Load	-2.55	Axle Load
23.50(B)	24.7	53.43	N/A	35.90	Axle Load	-3.94	Axle Load
23.55(B)	24.7	53.37	N/A	35.88	Axle Load	-3.95	Axle Load
28.58(B)	30.0	46.15	N/A	33.47	Axle Load	-5.70	Axle Load
29.92(L)	31.4	44.22	N/A	32.80	Axle Load	-6.19	Axle Load
29.92(R)	31.4	44.14	N/A	32.80	Axle Load	-6.19	Axle Load
36.29(B)	38.1	34.99	N/A	29.50	Axle Load	-8.71	Axle Load
38.10(B)	40.0	32.40	N/A	28.53	Axle Load	-9.47	Axle Load
42.67(L)	44.8	25.85	N/A	26.01	Axle Load	-11.48	Axle Load
42.67(R)	44.8	25.77	N/A	26.01	Axle Load	-11.48	Axle Load
47.63(B)	50.0	18.66	N/A	23.26	Axle Load	-13.85	Axle Load
49.04(B)	51.5	16.62	N/A	22.43	Axle Load	-14.55	Axle Load
55.42(L)	58.2	7.48	N/A	18.80	Axle Load	-17.96	Axle Load
55.42(R)	58.2	7.40	N/A	18.80	Axle Load	-17.96	Axle Load
57.15(B)	60.0	4.92	N/A	17.74	Axle Load	-18.89	Axle Load
61.79(B)	64.9	-1.75	N/A	14.85	Axle Load	-21.44	Axle Load
66.68(B)	70.0	-8.75	N/A	11.90	Axle Load	-24.52	Axle Load
68.17(L)	71.6	-10.89	N/A	10.93	Axle Load	-25.40	Axle Load
68.17(R)	71.6	-10.97	N/A	10.93	Axle Load	-25.40	Axle Load
74.54(B)	78.3	-20.12	N/A	7.44	Axle Load	-29.61	Axle Load
76.20(B)	80.0	-22.49	N/A	6.53	Axle Load	-30.64	Axle Load
80.92(L)	85.0	-29.27	N/A	4.51	Axle Load	-33.63	Axle Load
80.92(R)	85.0	-29.35	N/A	4.51	Axle Load	-33.63	Axle Load
85.72(B)	90.0	-36.24	N/A	4.56	Axle Load	-37.17	Axle Load
87.29(B)	91.6	-38.49	N/A	4.56	Axle Load	-38.20	Axle Load
93.67(L)	98.3	-47.64	N/A	4.62	Axle Load	-42.95	Axle Load

93.67(R)	98.3	-47.72	N/A	4.62	Axle Load	-42.95	Axle Load
94.46(B)	99.2	-48.85	N/A	4.62	Axle Load	-43.49	Axle Load
95.25(L)	100.0	-49.98	N/A	4.62	Axle Load	-44.03	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: SU7
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	44.44	Axle Load	-4.82	Axle Load
2	174.81	N/A	56.29	Axle Load	0.00	Axle Load
3	174.06	N/A	56.34	Axle Load	-7.28	Axle Load
4	174.81	N/A	56.50	Axle Load	0.00	Axle Load
5	49.98	N/A	47.21	Axle Load	-5.12	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: SU7
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	182.80	Axle Load	-21.33	Axle Load
8.85(L)	9.3	385.73	N/A	340.77	Axle Load	-42.65	Axle Load
8.85(R)	9.3	385.73	N/A	340.77	Axle Load	-42.65	Axle Load
9.52(B)	10.0	410.49	N/A	363.95	Axle Load	-45.90	Axle Load
15.32(B)	16.1	596.25	N/A	537.31	Axle Load	-73.86	Axle Load
19.05(B)	20.0	690.11	N/A	632.54	Axle Load	-91.81	Axle Load
21.80(L)	22.9	746.63	N/A	692.47	Axle Load	-105.06	Axle Load
21.80(R)	22.9	746.63	N/A	692.47	Axle Load	-105.06	Axle Load

28.28(B)	29.7	836.34	N/A	795.03	Axle Load	-136.27	Axle Load
28.58(B)	30.0	839.04	N/A	798.52	Axle Load	-137.71	Axle Load
34.75(L)	36.5	865.90	N/A	846.37	Axle Load	-167.47	Axle Load
34.75(R)	36.5	865.90	N/A	846.37	Axle Load	-167.47	Axle Load
38.10(B)	40.0	857.32	N/A	858.67	Axle Load	-183.62	Axle Load
41.22(B)	43.3	834.80	N/A	860.78	Axle Load	-198.68	Axle Load
47.63(B)	50.0	744.95	N/A	835.82	Axle Load	-229.52	Axle Load
47.70(L)	50.1	743.55	N/A	835.31	Axle Load	-229.88	Axle Load
47.70(R)	50.1	743.55	N/A	835.31	Axle Load	-229.88	Axle Load
54.17(B)	56.9	591.63	N/A	774.01	Axle Load	-261.09	Axle Load
57.15(B)	60.0	501.67	N/A	735.71	Axle Load	-275.43	Axle Load
60.65(L)	63.7	379.57	N/A	681.38	Axle Load	-292.30	Axle Load
60.65(R)	63.7	379.57	N/A	681.38	Axle Load	-292.30	Axle Load
66.68(B)	70.0	127.75	N/A	567.54	Axle Load	-321.33	Axle Load
67.13(B)	70.5	106.85	N/A	558.10	Axle Load	-323.50	Axle Load
71.75(B)	75.3	-124.78	N/A	454.45	Axle Load	-345.79	Axle Load
73.60(L)	77.3	-226.03	N/A	410.47	Axle Load	-354.71	Axle Load
73.60(R)	77.3	-226.03	N/A	410.47	Axle Load	-354.71	Axle Load
76.20(B)	80.0	-376.82	N/A	345.47	Axle Load	-367.24	Axle Load
80.07(B)	84.1	-619.56	N/A	245.36	Axle Load	-385.91	Axle Load
82.25(B)	86.4	-765.25	N/A	187.72	Axle Load	-396.39	Axle Load
85.72(B)	90.0	-1012.55	N/A	93.93	Axle Load	-413.14	Axle Load
86.55(L)	90.9	-1073.93	N/A	71.39	Axle Load	-417.12	Axle Load
86.55(R)	90.9	-1073.93	N/A	71.39	Axle Load	-417.12	Axle Load
90.90(B)	95.4	-1414.93	N/A	0.00	Axle Load	-438.08	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-532.73	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-532.73	Axle Load
2.21(B)	1.9	-1596.84	N/A	0.00	Axle Load	-517.54	Axle Load
4.42(L)	3.7	-1416.57	N/A	0.00	Axle Load	-502.35	Axle Load
4.42(R)	3.7	-1416.57	N/A	0.00	Axle Load	-502.35	Axle Load
10.35(B)	8.7	-970.10	N/A	136.32	Axle Load	-461.64	Axle Load
11.90(B)	10.0	-861.70	N/A	177.21	Axle Load	-450.95	Axle Load
13.00(B)	10.9	-787.22	N/A	205.97	Axle Load	-443.39	Axle Load
16.27(L)	13.7	-576.19	N/A	287.97	Axle Load	-420.92	Axle Load
16.27(R)	13.7	-576.19	N/A	287.97	Axle Load	-420.92	Axle Load
22.19(B)	18.7	-233.38	N/A	422.65	Axle Load	-380.20	Axle Load
23.50(B)	19.7	-164.64	N/A	449.32	Axle Load	-371.23	Axle Load
23.80(B)	20.0	-149.19	N/A	455.22	Axle Load	-369.17	Axle Load

28.12(L)	23.6	59.07	N/A	535.79	Axle Load	-339.48	Axle Load
28.12(R)	23.6	59.07	N/A	535.79	Axle Load	-339.48	Axle Load
34.04(B)	28.6	300.68	N/A	623.97	Axle Load	-298.76	Axle Load
35.70(B)	30.0	359.17	N/A	643.30	Axle Load	-287.38	Axle Load
39.97(L)	33.6	491.92	N/A	685.10	Axle Load	-258.04	Axle Load
39.97(R)	33.6	491.92	N/A	685.10	Axle Load	-258.04	Axle Load
45.90(B)	38.6	632.33	N/A	721.72	Axle Load	-217.32	Axle Load
47.60(B)	40.0	663.41	N/A	726.78	Axle Load	-205.60	Axle Load
51.82(L)	43.5	722.38	N/A	728.58	Axle Load	-176.60	Axle Load
51.82(R)	43.5	722.38	N/A	728.58	Axle Load	-176.60	Axle Load
57.74(B)	48.5	761.59	N/A	708.66	Axle Load	-135.88	Axle Load
59.50(B)	50.0	763.54	N/A	697.27	Axle Load	-123.82	Axle Load
63.67(L)	53.5	750.44	N/A	660.99	Axle Load	-95.16	Axle Load
63.67(R)	53.5	750.44	N/A	660.99	Axle Load	-95.16	Axle Load
69.60(B)	58.5	688.45	N/A	589.94	Axle Load	-54.44	Axle Load
71.40(B)	60.0	659.56	N/A	563.84	Axle Load	-42.04	Axle Load
75.52(L)	63.5	576.10	N/A	496.88	Axle Load	-13.72	Axle Load
75.52(R)	63.5	576.10	N/A	496.88	Axle Load	-13.72	Axle Load
81.44(B)	68.4	412.91	N/A	387.33	Axle Load	-21.53	Axle Load
83.30(B)	70.0	351.47	N/A	351.18	Axle Load	-43.31	Axle Load
87.37(L)	73.4	199.36	N/A	272.20	Axle Load	-109.88	Axle Load
87.37(R)	73.4	199.36	N/A	272.20	Axle Load	-109.88	Axle Load
93.29(B)	78.4	-65.03	N/A	167.99	Axle Load	-243.94	Axle Load
95.20(B)	80.0	-160.73	N/A	138.21	Axle Load	-295.04	Axle Load
95.50(B)	80.3	-176.28	N/A	133.83	Axle Load	-303.21	Axle Load
99.22(L)	83.4	-379.78	N/A	149.15	Axle Load	-411.88	Axle Load
99.22(R)	83.4	-379.78	N/A	149.15	Axle Load	-411.88	Axle Load
104.00(B)	87.4	-670.79	N/A	182.00	Axle Load	-565.44	Axle Load
105.14(B)	88.4	-745.42	N/A	189.87	Axle Load	-604.72	Axle Load
107.10(B)	90.0	-877.40	N/A	203.31	Axle Load	-672.40	Axle Load
111.07(L)	93.3	-1163.17	N/A	230.59	Axle Load	-816.14	Axle Load
111.07(R)	93.3	-1163.17	N/A	230.59	Axle Load	-816.14	Axle Load
115.03(B)	96.7	-1472.63	N/A	257.84	Axle Load	-967.08	Axle Load
119.00(L)	100.0	-1805.80	N/A	285.09	Axle Load	-1122.13	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	285.12	Axle Load	-1122.41	Axle Load
2.21(B)	1.9	-1617.10	N/A	269.93	Axle Load	-1034.93	Axle Load
4.42(L)	3.7	-1435.79	N/A	254.74	Axle Load	-949.05	Axle Load
4.42(R)	3.7	-1435.79	N/A	254.74	Axle Load	-949.05	Axle Load

10.35(B)	8.7	-986.53	N/A	214.01	Axle Load	-728.40	Axle Load
11.90(B)	10.0	-877.39	N/A	203.33	Axle Load	-672.26	Axle Load
15.00(B)	12.6	-670.71	N/A	182.02	Axle Load	-565.49	Axle Load
16.27(L)	13.7	-590.16	N/A	173.29	Axle Load	-523.35	Axle Load
16.27(R)	13.7	-590.16	N/A	173.29	Axle Load	-523.35	Axle Load
22.19(B)	18.7	-245.44	N/A	132.57	Axle Load	-340.23	Axle Load
23.50(B)	19.7	-176.28	N/A	134.48	Axle Load	-302.96	Axle Load
23.80(B)	20.0	-160.73	N/A	138.81	Axle Load	-294.80	Axle Load
28.12(L)	23.6	48.92	N/A	207.36	Axle Load	-184.80	Axle Load
28.12(R)	23.6	48.92	N/A	207.36	Axle Load	-184.80	Axle Load
34.04(B)	28.6	292.44	N/A	318.99	Axle Load	-67.45	Axle Load
35.70(B)	30.0	351.47	N/A	351.63	Axle Load	-43.22	Axle Load
39.97(L)	33.6	485.60	N/A	433.20	Axle Load	-3.29	Axle Load
39.97(R)	33.6	485.60	N/A	433.20	Axle Load	-3.29	Axle Load
45.90(B)	38.6	627.93	N/A	537.56	Axle Load	-30.32	Axle Load
47.60(B)	40.0	659.55	N/A	563.53	Axle Load	-42.04	Axle Load
51.82(L)	43.5	719.89	N/A	621.37	Axle Load	-71.05	Axle Load
51.82(R)	43.5	719.89	N/A	621.37	Axle Load	-71.05	Axle Load
57.74(B)	48.5	761.01	N/A	683.75	Axle Load	-111.77	Axle Load
59.50(B)	50.0	763.53	N/A	697.48	Axle Load	-123.83	Axle Load
63.67(L)	53.5	751.77	N/A	720.02	Axle Load	-152.49	Axle Load
63.67(R)	53.5	751.77	N/A	720.02	Axle Load	-152.49	Axle Load
69.60(B)	58.5	691.70	N/A	729.22	Axle Load	-193.21	Axle Load
71.40(B)	60.0	663.39	N/A	726.56	Axle Load	-205.62	Axle Load
75.52(L)	63.5	581.26	N/A	710.31	Axle Load	-233.94	Axle Load
75.52(R)	63.5	581.26	N/A	710.31	Axle Load	-233.94	Axle Load
81.44(B)	68.4	419.98	N/A	663.00	Axle Load	-274.66	Axle Load
83.30(B)	70.0	359.14	N/A	643.52	Axle Load	-287.41	Axle Load
87.37(L)	73.4	208.34	N/A	591.01	Axle Load	-315.38	Axle Load
87.37(R)	73.4	208.34	N/A	591.01	Axle Load	-315.38	Axle Load
93.29(B)	78.4	-54.13	N/A	492.48	Axle Load	-356.11	Axle Load
95.20(B)	80.0	-149.22	N/A	455.45	Axle Load	-369.20	Axle Load
95.50(B)	80.3	-164.67	N/A	449.42	Axle Load	-371.26	Axle Load
99.22(L)	83.4	-366.97	N/A	369.83	Axle Load	-396.83	Axle Load
99.22(R)	83.4	-366.97	N/A	369.83	Axle Load	-396.83	Axle Load
105.14(B)	88.4	-730.64	N/A	227.89	Axle Load	-437.55	Axle Load
106.00(B)	89.1	-787.28	N/A	206.13	Axle Load	-443.43	Axle Load
107.10(B)	90.0	-861.74	N/A	177.30	Axle Load	-450.99	Axle Load
111.07(L)	93.3	-1145.63	N/A	70.23	Axle Load	-478.27	Axle Load
111.07(R)	93.3	-1145.63	N/A	70.23	Axle Load	-478.27	Axle Load
115.03(B)	96.7	-1453.22	N/A	0.00	Axle Load	-505.53	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-532.78	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-532.78	Axle Load
2.21(B)	2.3	-1593.15	N/A	0.00	Axle Load	-454.77	Axle Load
4.42(L)	4.6	-1409.13	N/A	0.00	Axle Load	-437.58	Axle Load
4.42(R)	4.6	-1409.13	N/A	0.00	Axle Load	-437.58	Axle Load
9.52(B)	10.0	-1012.64	N/A	93.91	Axle Load	-412.98	Axle Load
10.80(B)	11.3	-920.11	N/A	128.74	Axle Load	-406.86	Axle Load
13.00(B)	13.6	-765.24	N/A	187.92	Axle Load	-396.24	Axle Load
17.17(L)	18.0	-491.76	N/A	297.68	Axle Load	-376.15	Axle Load
17.17(R)	18.0	-491.76	N/A	297.68	Axle Load	-376.15	Axle Load
19.05(B)	20.0	-376.78	N/A	345.74	Axle Load	-367.10	Axle Load
23.50(B)	24.7	-124.81	N/A	454.59	Axle Load	-345.66	Axle Load
23.55(B)	24.7	-122.41	N/A	455.64	Axle Load	-345.44	Axle Load
28.58(B)	30.0	127.87	N/A	567.66	Axle Load	-321.21	Axle Load
29.92(L)	31.4	188.64	N/A	595.22	Axle Load	-314.73	Axle Load
29.92(R)	31.4	188.64	N/A	595.22	Axle Load	-314.73	Axle Load
36.29(B)	38.1	440.88	N/A	708.86	Axle Load	-284.02	Axle Load
38.10(B)	40.0	501.71	N/A	735.57	Axle Load	-275.32	Axle Load
42.67(L)	44.8	634.82	N/A	790.98	Axle Load	-253.31	Axle Load
42.67(R)	44.8	634.82	N/A	790.98	Axle Load	-253.31	Axle Load
47.63(B)	50.0	744.89	N/A	835.66	Axle Load	-229.43	Axle Load
49.04(B)	51.5	769.94	N/A	844.25	Axle Load	-222.59	Axle Load
55.42(L)	58.2	846.76	N/A	861.07	Axle Load	-191.88	Axle Load
55.42(R)	58.2	846.76	N/A	861.07	Axle Load	-191.88	Axle Load
57.15(B)	60.0	857.41	N/A	858.63	Axle Load	-183.55	Axle Load
61.79(B)	64.9	864.77	N/A	840.01	Axle Load	-161.17	Axle Load
66.68(B)	70.0	839.15	N/A	798.43	Axle Load	-137.66	Axle Load
68.17(L)	71.6	824.47	N/A	779.97	Axle Load	-130.46	Axle Load
68.17(R)	71.6	824.47	N/A	779.97	Axle Load	-130.46	Axle Load
74.54(B)	78.3	725.36	N/A	669.80	Axle Load	-99.75	Axle Load
76.20(B)	80.0	690.09	N/A	632.56	Axle Load	-91.77	Axle Load
80.92(L)	85.0	567.94	N/A	510.81	Axle Load	-69.04	Axle Load
80.92(R)	85.0	567.94	N/A	510.81	Axle Load	-69.04	Axle Load
85.72(B)	90.0	410.38	N/A	363.95	Axle Load	-45.89	Axle Load
87.29(B)	91.6	351.71	N/A	309.08	Axle Load	-38.32	Axle Load
93.67(L)	98.3	77.18	N/A	68.44	Axle Load	-7.61	Axle Load
93.67(R)	98.3	77.18	N/A	68.44	Axle Load	-7.61	Axle Load
94.46(B)	99.2	39.04	N/A	34.66	Axle Load	-3.81	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary

Live Load: SU7

Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	44.44	Axle Load	-4.82	Axle Load
4.43(B)	4.6	43.59	N/A	41.31	Axle Load	-4.82	Axle Load
8.85(L)	9.3	37.24	N/A	38.22	Axle Load	-4.82	Axle Load
8.85(R)	9.3	37.16	N/A	38.22	Axle Load	-4.82	Axle Load
9.52(B)	10.0	36.19	N/A	37.75	Axle Load	-4.82	Axle Load
15.32(B)	16.1	27.87	N/A	33.78	Axle Load	-4.82	Axle Load
19.05(B)	20.0	22.52	N/A	31.28	Axle Load	-5.62	Axle Load
21.80(L)	22.9	18.58	N/A	29.47	Axle Load	-7.23	Axle Load
21.80(R)	22.9	18.50	N/A	29.47	Axle Load	-7.23	Axle Load
28.28(B)	29.7	9.21	N/A	25.31	Axle Load	-11.14	Axle Load
28.58(B)	30.0	8.78	N/A	25.12	Axle Load	-11.32	Axle Load
34.75(L)	36.5	-0.08	N/A	21.34	Axle Load	-15.50	Axle Load
34.75(R)	36.5	-0.16	N/A	21.34	Axle Load	-15.50	Axle Load
38.10(B)	40.0	-4.96	N/A	19.37	Axle Load	-17.81	Axle Load
41.22(B)	43.3	-9.45	N/A	17.58	Axle Load	-19.94	Axle Load
47.63(B)	50.0	-18.63	N/A	14.15	Axle Load	-24.28	Axle Load
47.70(L)	50.1	-18.74	N/A	14.11	Axle Load	-24.33	Axle Load
47.70(R)	50.1	-18.82	N/A	14.11	Axle Load	-24.33	Axle Load
54.17(B)	56.9	-28.11	N/A	10.96	Axle Load	-28.76	Axle Load
57.15(B)	60.0	-32.37	N/A	9.55	Axle Load	-30.63	Axle Load
60.65(L)	63.7	-37.40	N/A	7.97	Axle Load	-32.78	Axle Load
60.65(R)	63.7	-37.48	N/A	7.97	Axle Load	-32.78	Axle Load
66.68(B)	70.0	-46.12	N/A	5.54	Axle Load	-36.78	Axle Load
67.13(B)	70.5	-46.76	N/A	5.36	Axle Load	-37.04	Axle Load
71.75(B)	75.3	-53.40	N/A	3.68	Axle Load	-40.12	Axle Load

73.60(L)	77.3	-56.05	N/A	3.03	Axle Load	-41.13	Axle Load
73.60(R)	77.3	-56.13	N/A	3.03	Axle Load	-41.13	Axle Load
76.20(B)	80.0	-59.86	N/A	2.15	Axle Load	-42.52	Axle Load
80.07(B)	84.1	-65.42	N/A	0.95	Axle Load	-44.50	Axle Load
82.25(B)	86.4	-68.54	N/A	0.33	Axle Load	-45.88	Axle Load
85.72(B)	90.0	-73.79	N/A	0.00	Axle Load	-47.52	Axle Load
86.55(L)	90.9	-75.03	N/A	0.00	Axle Load	-47.89	Axle Load
86.55(R)	90.9	-75.11	N/A	0.00	Axle Load	-47.89	Axle Load
90.90(B)	95.4	-81.67	N/A	0.00	Axle Load	-50.31	Axle Load
95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-52.06	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	50.66	Axle Load	0.00	Axle Load
2.21(B)	1.9	83.24	N/A	46.93	Axle Load	0.00	Axle Load
4.42(L)	3.7	79.90	N/A	45.85	Axle Load	0.00	Axle Load
4.42(R)	3.7	79.82	N/A	45.85	Axle Load	0.00	Axle Load
10.35(B)	8.7	70.88	N/A	42.78	Axle Load	0.00	Axle Load
11.90(B)	10.0	68.54	N/A	41.94	Axle Load	0.00	Axle Load
13.00(B)	10.9	66.88	N/A	41.33	Axle Load	-0.38	Axle Load
16.27(L)	13.7	62.19	N/A	39.50	Axle Load	-1.61	Axle Load
16.27(R)	13.7	62.11	N/A	39.50	Axle Load	-1.61	Axle Load
22.19(B)	18.7	53.61	N/A	36.05	Axle Load	-4.06	Axle Load
23.50(B)	19.7	51.74	N/A	35.27	Axle Load	-4.64	Axle Load
23.80(B)	20.0	51.31	N/A	35.09	Axle Load	-4.77	Axle Load
28.12(L)	23.6	45.11	N/A	32.49	Axle Load	-6.80	Axle Load
28.12(R)	23.6	45.03	N/A	32.49	Axle Load	-6.80	Axle Load
34.04(B)	28.6	36.53	N/A	28.87	Axle Load	-9.79	Axle Load
35.70(B)	30.0	34.15	N/A	27.86	Axle Load	-10.66	Axle Load
39.97(L)	33.6	28.03	N/A	25.25	Axle Load	-13.00	Axle Load
39.97(R)	33.6	27.95	N/A	25.25	Axle Load	-13.00	Axle Load
45.90(B)	38.6	19.45	N/A	21.69	Axle Load	-16.40	Axle Load
47.60(B)	40.0	17.00	N/A	20.69	Axle Load	-17.40	Axle Load
51.82(L)	43.5	10.95	N/A	18.23	Axle Load	-19.92	Axle Load
51.82(R)	43.5	10.87	N/A	18.23	Axle Load	-19.92	Axle Load
57.74(B)	48.5	2.37	N/A	14.95	Axle Load	-23.52	Axle Load
59.50(B)	50.0	-0.15	N/A	14.06	Axle Load	-24.68	Axle Load
63.67(L)	53.5	-6.13	N/A	11.91	Axle Load	-27.24	Axle Load
63.67(R)	53.5	-6.21	N/A	11.91	Axle Load	-27.24	Axle Load
69.60(B)	58.5	-14.71	N/A	9.21	Axle Load	-31.15	Axle Load
71.40(B)	60.0	-17.30	N/A	8.41	Axle Load	-32.24	Axle Load

75.52(L)	63.5	-23.21	N/A	6.96	Axle Load	-34.70	Axle Load
75.52(R)	63.5	-23.29	N/A	6.96	Axle Load	-34.70	Axle Load
81.44(B)	68.4	-31.79	N/A	7.06	Axle Load	-38.60	Axle Load
83.30(B)	70.0	-34.45	N/A	7.06	Axle Load	-39.64	Axle Load
87.37(L)	73.4	-40.29	N/A	7.06	Axle Load	-41.84	Axle Load
87.37(R)	73.4	-40.37	N/A	7.06	Axle Load	-41.84	Axle Load
93.29(B)	78.4	-48.87	N/A	7.15	Axle Load	-45.40	Axle Load
95.20(B)	80.0	-51.61	N/A	7.15	Axle Load	-46.31	Axle Load
95.50(B)	80.3	-52.04	N/A	7.15	Axle Load	-46.45	Axle Load
99.22(L)	83.4	-57.37	N/A	7.15	Axle Load	-48.10	Axle Load
99.22(R)	83.4	-57.45	N/A	7.15	Axle Load	-48.10	Axle Load
104.00(B)	87.4	-64.31	N/A	7.20	Axle Load	-50.38	Axle Load
105.14(B)	88.4	-66.04	N/A	7.20	Axle Load	-50.80	Axle Load
107.10(B)	90.0	-68.99	N/A	7.20	Axle Load	-51.48	Axle Load
111.07(L)	93.3	-74.98	N/A	7.20	Axle Load	-52.71	Axle Load
111.07(R)	93.3	-75.06	N/A	7.20	Axle Load	-52.71	Axle Load
115.03(B)	96.7	-81.04	N/A	7.28	Axle Load	-54.35	Axle Load
119.00(L)	100.0	-87.02	N/A	7.28	Axle Load	-55.17	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	55.15	Axle Load	-7.28	Axle Load
2.21(B)	1.9	83.71	N/A	51.64	Axle Load	-6.87	Axle Load
4.42(L)	3.7	80.37	N/A	51.18	Axle Load	-6.87	Axle Load
4.42(R)	3.7	80.29	N/A	51.18	Axle Load	-6.87	Axle Load
10.35(B)	8.7	71.36	N/A	49.61	Axle Load	-6.87	Axle Load
11.90(B)	10.0	69.01	N/A	49.12	Axle Load	-6.87	Axle Load
15.00(B)	12.6	64.33	N/A	48.08	Axle Load	-6.87	Axle Load
16.27(L)	13.7	62.51	N/A	47.62	Axle Load	-6.87	Axle Load
16.27(R)	13.7	62.43	N/A	47.62	Axle Load	-6.87	Axle Load
22.19(B)	18.7	53.93	N/A	45.23	Axle Load	-6.87	Axle Load
23.50(B)	19.7	52.06	N/A	44.66	Axle Load	-6.87	Axle Load
23.80(B)	20.0	51.63	N/A	44.53	Axle Load	-6.87	Axle Load
28.12(L)	23.6	45.43	N/A	42.51	Axle Load	-6.87	Axle Load
28.12(R)	23.6	45.35	N/A	42.51	Axle Load	-6.87	Axle Load
34.04(B)	28.6	36.85	N/A	39.49	Axle Load	-6.87	Axle Load
35.70(B)	30.0	34.48	N/A	38.61	Axle Load	-6.87	Axle Load
39.97(L)	33.6	28.35	N/A	36.25	Axle Load	-6.87	Axle Load
39.97(R)	33.6	28.27	N/A	36.25	Axle Load	-6.87	Axle Load
45.90(B)	38.6	19.77	N/A	32.83	Axle Load	-7.58	Axle Load
47.60(B)	40.0	17.32	N/A	31.82	Axle Load	-8.30	Axle Load

51.82(L)	43.5	11.27	N/A	29.28	Axle Load	-10.19	Axle Load
51.82(R)	43.5	11.19	N/A	29.28	Axle Load	-10.19	Axle Load
57.74(B)	48.5	2.69	N/A	25.67	Axle Load	-13.10	Axle Load
59.50(B)	50.0	0.17	N/A	24.68	Axle Load	-14.06	Axle Load
63.67(L)	53.5	-5.81	N/A	22.12	Axle Load	-16.32	Axle Load
63.67(R)	53.5	-5.89	N/A	22.12	Axle Load	-16.32	Axle Load
69.60(B)	58.5	-14.39	N/A	18.72	Axle Load	-19.89	Axle Load
71.40(B)	60.0	-16.98	N/A	17.64	Axle Load	-20.96	Axle Load
75.52(L)	63.5	-22.89	N/A	15.19	Axle Load	-23.44	Axle Load
75.52(R)	63.5	-22.97	N/A	15.19	Axle Load	-23.44	Axle Load
81.44(B)	68.4	-31.47	N/A	11.98	Axle Load	-27.44	Axle Load
83.30(B)	70.0	-34.13	N/A	10.95	Axle Load	-28.60	Axle Load
87.37(L)	73.4	-39.97	N/A	8.76	Axle Load	-31.16	Axle Load
87.37(R)	73.4	-40.05	N/A	8.76	Axle Load	-31.16	Axle Load
93.29(B)	78.4	-48.55	N/A	5.87	Axle Load	-35.30	Axle Load
95.20(B)	80.0	-51.28	N/A	4.96	Axle Load	-36.50	Axle Load
95.50(B)	80.3	-51.71	N/A	4.83	Axle Load	-36.68	Axle Load
99.22(L)	83.4	-57.05	N/A	3.14	Axle Load	-38.97	Axle Load
99.22(R)	83.4	-57.13	N/A	3.14	Axle Load	-38.97	Axle Load
105.14(B)	88.4	-65.63	N/A	0.73	Axle Load	-42.81	Axle Load
106.00(B)	89.1	-66.86	N/A	0.40	Axle Load	-43.31	Axle Load
107.10(B)	90.0	-68.52	N/A	0.00	Axle Load	-43.94	Axle Load
111.07(L)	93.3	-74.51	N/A	0.00	Axle Load	-46.16	Axle Load
111.07(R)	93.3	-74.59	N/A	0.00	Axle Load	-46.16	Axle Load
115.03(B)	96.7	-80.57	N/A	0.00	Axle Load	-48.83	Axle Load
119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-50.85	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	52.25	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	48.48	Axle Load	0.00	Axle Load
4.42(L)	4.6	81.60	N/A	47.62	Axle Load	0.00	Axle Load
4.42(R)	4.6	81.52	N/A	47.62	Axle Load	0.00	Axle Load
9.52(B)	10.0	73.82	N/A	45.49	Axle Load	0.00	Axle Load
10.80(B)	11.3	71.90	N/A	44.92	Axle Load	0.00	Axle Load
13.00(B)	13.6	68.57	N/A	43.92	Axle Load	-0.31	Axle Load
17.17(L)	18.0	62.59	N/A	41.93	Axle Load	-1.49	Axle Load
17.17(R)	18.0	62.51	N/A	41.93	Axle Load	-1.49	Axle Load
19.05(B)	20.0	59.81	N/A	40.99	Axle Load	-2.08	Axle Load
23.50(B)	24.7	53.43	N/A	38.67	Axle Load	-3.55	Axle Load
23.55(B)	24.7	53.37	N/A	38.65	Axle Load	-3.56	Axle Load

28.58(B)	30.0	46.15	N/A	35.89	Axle Load	-5.41	Axle Load
29.92(L)	31.4	44.22	N/A	35.12	Axle Load	-5.93	Axle Load
29.92(R)	31.4	44.14	N/A	35.12	Axle Load	-5.93	Axle Load
36.29(B)	38.1	34.99	N/A	31.36	Axle Load	-8.62	Axle Load
38.10(B)	40.0	32.40	N/A	30.26	Axle Load	-9.43	Axle Load
42.67(L)	44.8	25.85	N/A	27.40	Axle Load	-11.60	Axle Load
42.67(R)	44.8	25.77	N/A	27.40	Axle Load	-11.60	Axle Load
47.63(B)	50.0	18.66	N/A	24.28	Axle Load	-14.15	Axle Load
49.04(B)	51.5	16.62	N/A	23.34	Axle Load	-14.90	Axle Load
55.42(L)	58.2	7.48	N/A	19.23	Axle Load	-18.60	Axle Load
55.42(R)	58.2	7.40	N/A	19.23	Axle Load	-18.60	Axle Load
57.15(B)	60.0	4.92	N/A	18.03	Axle Load	-19.61	Axle Load
61.79(B)	64.9	-1.75	N/A	14.78	Axle Load	-22.39	Axle Load
66.68(B)	70.0	-8.75	N/A	11.61	Axle Load	-25.75	Axle Load
68.17(L)	71.6	-10.89	N/A	10.69	Axle Load	-26.71	Axle Load
68.17(R)	71.6	-10.97	N/A	10.69	Axle Load	-26.71	Axle Load
74.54(B)	78.3	-20.12	N/A	6.81	Axle Load	-31.31	Axle Load
76.20(B)	80.0	-22.49	N/A	5.83	Axle Load	-32.45	Axle Load
80.92(L)	85.0	-29.27	N/A	5.00	Axle Load	-35.74	Axle Load
80.92(R)	85.0	-29.35	N/A	5.00	Axle Load	-35.74	Axle Load
85.72(B)	90.0	-36.24	N/A	5.06	Axle Load	-39.63	Axle Load
87.29(B)	91.6	-38.49	N/A	5.06	Axle Load	-40.77	Axle Load
93.67(L)	98.3	-47.64	N/A	5.12	Axle Load	-46.02	Axle Load
93.67(R)	98.3	-47.72	N/A	5.12	Axle Load	-46.02	Axle Load
94.46(B)	99.2	-48.85	N/A	5.12	Axle Load	-46.61	Axle Load
95.25(L)	100.0	-49.98	N/A	5.12	Axle Load	-47.21	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: Type 3
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	31.21	Axle Load	-3.13	Axle Load

2	174.81	N/A	36.40	Axle Load	0.00	Axle Load
3	174.06	N/A	36.42	Axle Load	-4.74	Axle Load
4	174.81	N/A	36.54	Axle Load	0.00	Axle Load
5	49.98	N/A	33.15	Axle Load	-3.33	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary

Live Load: Type 3

Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	129.08	Axle Load	-13.85	Axle Load
8.85(L)	9.3	385.73	N/A	240.22	Axle Load	-27.69	Axle Load
8.85(R)	9.3	385.73	N/A	240.22	Axle Load	-27.69	Axle Load
9.52(B)	10.0	410.49	N/A	255.61	Axle Load	-29.81	Axle Load
15.32(B)	16.1	596.25	N/A	371.15	Axle Load	-47.96	Axle Load
19.05(B)	20.0	690.11	N/A	429.89	Axle Load	-59.61	Axle Load
21.80(L)	22.9	746.63	N/A	465.72	Axle Load	-68.22	Axle Load
21.80(R)	22.9	746.63	N/A	465.72	Axle Load	-68.22	Axle Load
28.28(B)	29.7	836.34	N/A	526.73	Axle Load	-88.48	Axle Load
28.58(B)	30.0	839.04	N/A	529.15	Axle Load	-89.42	Axle Load
34.75(L)	36.5	865.90	N/A	563.12	Axle Load	-108.74	Axle Load
34.75(R)	36.5	865.90	N/A	563.12	Axle Load	-108.74	Axle Load
38.10(B)	40.0	857.32	N/A	569.50	Axle Load	-119.22	Axle Load
41.22(B)	43.3	834.80	N/A	568.36	Axle Load	-129.00	Axle Load
47.63(B)	50.0	744.95	N/A	553.71	Axle Load	-149.03	Axle Load
47.70(L)	50.1	743.55	N/A	553.41	Axle Load	-149.26	Axle Load
47.70(R)	50.1	743.55	N/A	553.41	Axle Load	-149.26	Axle Load
54.17(B)	56.9	591.63	N/A	515.12	Axle Load	-169.53	Axle Load
57.15(B)	60.0	501.67	N/A	489.65	Axle Load	-178.84	Axle Load
60.65(L)	63.7	379.57	N/A	454.09	Axle Load	-189.79	Axle Load
60.65(R)	63.7	379.57	N/A	454.09	Axle Load	-189.79	Axle Load
66.68(B)	70.0	127.75	N/A	379.30	Axle Load	-208.64	Axle Load
67.13(B)	70.5	106.85	N/A	373.04	Axle Load	-210.05	Axle Load
71.75(B)	75.3	-124.78	N/A	305.54	Axle Load	-224.52	Axle Load
73.60(L)	77.3	-226.03	N/A	277.25	Axle Load	-230.31	Axle Load
73.60(R)	77.3	-226.03	N/A	277.25	Axle Load	-230.31	Axle Load
76.20(B)	80.0	-376.82	N/A	235.60	Axle Load	-238.45	Axle Load
80.07(B)	84.1	-619.56	N/A	172.01	Axle Load	-250.57	Axle Load

82.25(B)	86.4	-765.25	N/A	134.60	Axle Load	-257.38	Axle Load
85.72(B)	90.0	-1012.55	N/A	75.01	Axle Load	-268.25	Axle Load
86.55(L)	90.9	-1073.93	N/A	60.26	Axle Load	-270.84	Axle Load
86.55(R)	90.9	-1073.93	N/A	60.26	Axle Load	-270.84	Axle Load
90.90(B)	95.4	-1414.93	N/A	0.00	Axle Load	-284.45	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-346.55	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-346.55	Axle Load
2.21(B)	1.9	-1596.84	N/A	0.00	Axle Load	-336.67	Axle Load
4.42(L)	3.7	-1416.57	N/A	0.00	Axle Load	-326.79	Axle Load
4.42(R)	3.7	-1416.57	N/A	0.00	Axle Load	-326.79	Axle Load
10.35(B)	8.7	-970.10	N/A	101.38	Axle Load	-300.30	Axle Load
11.90(B)	10.0	-861.70	N/A	127.89	Axle Load	-293.35	Axle Load
13.00(B)	10.9	-787.22	N/A	145.91	Axle Load	-288.43	Axle Load
16.27(L)	13.7	-576.19	N/A	198.63	Axle Load	-273.81	Axle Load
16.27(R)	13.7	-576.19	N/A	198.63	Axle Load	-273.81	Axle Load
22.19(B)	18.7	-233.38	N/A	285.83	Axle Load	-247.32	Axle Load
23.50(B)	19.7	-164.64	N/A	303.38	Axle Load	-241.49	Axle Load
23.80(B)	20.0	-149.19	N/A	307.27	Axle Load	-240.15	Axle Load
28.12(L)	23.6	59.07	N/A	359.47	Axle Load	-220.84	Axle Load
28.12(R)	23.6	59.07	N/A	359.47	Axle Load	-220.84	Axle Load
34.04(B)	28.6	300.68	N/A	417.57	Axle Load	-194.35	Axle Load
35.70(B)	30.0	359.17	N/A	430.66	Axle Load	-186.95	Axle Load
39.97(L)	33.6	491.92	N/A	457.62	Axle Load	-167.86	Axle Load
39.97(R)	33.6	491.92	N/A	457.62	Axle Load	-167.86	Axle Load
45.90(B)	38.6	632.33	N/A	479.03	Axle Load	-141.37	Axle Load
47.60(B)	40.0	663.41	N/A	481.62	Axle Load	-133.75	Axle Load
51.82(L)	43.5	722.38	N/A	481.96	Axle Load	-114.88	Axle Load
51.82(R)	43.5	722.38	N/A	481.96	Axle Load	-114.88	Axle Load
57.74(B)	48.5	761.59	N/A	471.09	Axle Load	-88.39	Axle Load
59.50(B)	50.0	763.54	N/A	464.01	Axle Load	-80.55	Axle Load
63.67(L)	53.5	750.44	N/A	441.79	Axle Load	-61.90	Axle Load
63.67(R)	53.5	750.44	N/A	441.79	Axle Load	-61.90	Axle Load
69.60(B)	58.5	688.45	N/A	395.81	Axle Load	-35.42	Axle Load
71.40(B)	60.0	659.56	N/A	378.45	Axle Load	-27.35	Axle Load
75.52(L)	63.5	576.10	N/A	335.41	Axle Load	-8.93	Axle Load
75.52(R)	63.5	576.10	N/A	335.41	Axle Load	-8.93	Axle Load
81.44(B)	68.4	412.91	N/A	264.01	Axle Load	-14.51	Axle Load
83.30(B)	70.0	351.47	N/A	239.49	Axle Load	-28.73	Axle Load

87.37(L)	73.4	199.36	N/A	186.86	Axle Load	-72.13	Axle Load
87.37(R)	73.4	199.36	N/A	186.86	Axle Load	-72.13	Axle Load
93.29(B)	78.4	-65.03	N/A	119.92	Axle Load	-159.24	Axle Load
95.20(B)	80.0	-160.73	N/A	100.56	Axle Load	-192.19	Axle Load
95.50(B)	80.3	-176.28	N/A	98.05	Axle Load	-197.57	Axle Load
99.22(L)	83.4	-379.78	N/A	97.03	Axle Load	-268.31	Axle Load
99.22(R)	83.4	-379.78	N/A	97.03	Axle Load	-268.31	Axle Load
104.00(B)	87.4	-670.79	N/A	118.40	Axle Load	-367.53	Axle Load
105.14(B)	88.4	-745.42	N/A	123.52	Axle Load	-392.74	Axle Load
107.10(B)	90.0	-877.40	N/A	132.26	Axle Load	-436.70	Axle Load
111.07(L)	93.3	-1163.17	N/A	150.00	Axle Load	-530.40	Axle Load
111.07(R)	93.3	-1163.17	N/A	150.00	Axle Load	-530.40	Axle Load
115.03(B)	96.7	-1472.63	N/A	167.73	Axle Load	-626.97	Axle Load
119.00(L)	100.0	-1805.80	N/A	185.46	Axle Load	-728.04	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	185.04	Axle Load	-727.96	Axle Load
2.21(B)	1.9	-1617.10	N/A	175.18	Axle Load	-671.73	Axle Load
4.42(L)	3.7	-1435.79	N/A	165.33	Axle Load	-615.82	Axle Load
4.42(R)	3.7	-1435.79	N/A	165.33	Axle Load	-615.82	Axle Load
10.35(B)	8.7	-986.53	N/A	138.90	Axle Load	-472.91	Axle Load
11.90(B)	10.0	-877.39	N/A	131.96	Axle Load	-436.99	Axle Load
15.00(B)	12.6	-670.71	N/A	118.13	Axle Load	-367.27	Axle Load
16.27(L)	13.7	-590.16	N/A	112.47	Axle Load	-340.26	Axle Load
16.27(R)	13.7	-590.16	N/A	112.47	Axle Load	-340.26	Axle Load
22.19(B)	18.7	-245.44	N/A	87.97	Axle Load	-221.58	Axle Load
23.50(B)	19.7	-176.28	N/A	98.78	Axle Load	-197.79	Axle Load
23.80(B)	20.0	-160.73	N/A	101.47	Axle Load	-192.39	Axle Load
28.12(L)	23.6	48.92	N/A	146.72	Axle Load	-120.73	Axle Load
28.12(R)	23.6	48.92	N/A	146.72	Axle Load	-120.73	Axle Load
34.04(B)	28.6	292.44	N/A	218.11	Axle Load	-44.49	Axle Load
35.70(B)	30.0	351.47	N/A	240.04	Axle Load	-28.88	Axle Load
39.97(L)	33.6	485.60	N/A	293.98	Axle Load	-2.39	Axle Load
39.97(R)	33.6	485.60	N/A	293.98	Axle Load	-2.39	Axle Load
45.90(B)	38.6	627.93	N/A	361.58	Axle Load	-19.68	Axle Load
47.60(B)	40.0	659.55	N/A	378.82	Axle Load	-27.29	Axle Load
51.82(L)	43.5	719.89	N/A	416.26	Axle Load	-46.11	Axle Load
51.82(R)	43.5	719.89	N/A	416.26	Axle Load	-46.11	Axle Load
57.74(B)	48.5	761.01	N/A	455.86	Axle Load	-72.54	Axle Load
59.50(B)	50.0	763.53	N/A	464.26	Axle Load	-80.37	Axle Load

63.67(L)	53.5	751.77	N/A	477.65	Axle Load	-98.97	Axle Load
63.67(R)	53.5	751.77	N/A	477.65	Axle Load	-98.97	Axle Load
69.60(B)	58.5	691.70	N/A	482.68	Axle Load	-125.40	Axle Load
71.40(B)	60.0	663.39	N/A	481.40	Axle Load	-133.45	Axle Load
75.52(L)	63.5	581.26	N/A	472.64	Axle Load	-151.83	Axle Load
75.52(R)	63.5	581.26	N/A	472.64	Axle Load	-151.83	Axle Load
81.44(B)	68.4	419.98	N/A	443.62	Axle Load	-178.26	Axle Load
83.30(B)	70.0	359.14	N/A	430.37	Axle Load	-186.53	Axle Load
87.37(L)	73.4	208.34	N/A	395.97	Axle Load	-204.69	Axle Load
87.37(R)	73.4	208.34	N/A	395.97	Axle Load	-204.69	Axle Load
93.29(B)	78.4	-54.13	N/A	331.28	Axle Load	-231.12	Axle Load
95.20(B)	80.0	-149.22	N/A	306.86	Axle Load	-239.61	Axle Load
95.50(B)	80.3	-164.67	N/A	302.97	Axle Load	-240.95	Axle Load
99.22(L)	83.4	-366.97	N/A	251.75	Axle Load	-257.55	Axle Load
99.22(R)	83.4	-366.97	N/A	251.75	Axle Load	-257.55	Axle Load
105.14(B)	88.4	-730.64	N/A	160.27	Axle Load	-283.98	Axle Load
106.00(B)	89.1	-787.28	N/A	146.16	Axle Load	-287.79	Axle Load
107.10(B)	90.0	-861.74	N/A	127.47	Axle Load	-292.70	Axle Load
111.07(L)	93.3	-1145.63	N/A	58.47	Axle Load	-310.41	Axle Load
111.07(R)	93.3	-1145.63	N/A	58.47	Axle Load	-310.41	Axle Load
115.03(B)	96.7	-1453.22	N/A	0.00	Axle Load	-328.09	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-345.78	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-345.78	Axle Load
2.21(B)	2.3	-1593.15	N/A	0.00	Axle Load	-295.93	Axle Load
4.42(L)	4.6	-1409.13	N/A	0.00	Axle Load	-284.39	Axle Load
4.42(R)	4.6	-1409.13	N/A	0.00	Axle Load	-284.39	Axle Load
9.52(B)	10.0	-1012.64	N/A	75.08	Axle Load	-268.41	Axle Load
10.80(B)	11.3	-920.11	N/A	97.43	Axle Load	-264.43	Axle Load
13.00(B)	13.6	-765.24	N/A	134.87	Axle Load	-257.53	Axle Load
17.17(L)	18.0	-491.76	N/A	205.22	Axle Load	-244.47	Axle Load
17.17(R)	18.0	-491.76	N/A	205.22	Axle Load	-244.47	Axle Load
19.05(B)	20.0	-376.78	N/A	236.21	Axle Load	-238.58	Axle Load
23.50(B)	24.7	-124.81	N/A	305.62	Axle Load	-224.65	Axle Load
23.55(B)	24.7	-122.41	N/A	306.32	Axle Load	-224.51	Axle Load
28.58(B)	30.0	127.87	N/A	379.07	Axle Load	-208.76	Axle Load
29.92(L)	31.4	188.64	N/A	397.23	Axle Load	-204.55	Axle Load
29.92(R)	31.4	188.64	N/A	397.23	Axle Load	-204.55	Axle Load
36.29(B)	38.1	440.88	N/A	472.29	Axle Load	-184.59	Axle Load

38.10(B)	40.0	501.71	N/A	490.03	Axle Load	-178.94	Axle Load
42.67(L)	44.8	634.82	N/A	526.79	Axle Load	-164.63	Axle Load
42.67(R)	44.8	634.82	N/A	526.79	Axle Load	-164.63	Axle Load
47.63(B)	50.0	744.89	N/A	553.44	Axle Load	-149.12	Axle Load
49.04(B)	51.5	769.94	N/A	558.29	Axle Load	-144.67	Axle Load
55.42(L)	58.2	846.76	N/A	569.78	Axle Load	-124.71	Axle Load
55.42(R)	58.2	846.76	N/A	569.78	Axle Load	-124.71	Axle Load
57.15(B)	60.0	857.41	N/A	569.41	Axle Load	-119.29	Axle Load
61.79(B)	64.9	864.77	N/A	558.23	Axle Load	-104.75	Axle Load
66.68(B)	70.0	839.15	N/A	529.14	Axle Load	-89.47	Axle Load
68.17(L)	71.6	824.47	N/A	517.06	Axle Load	-84.79	Axle Load
68.17(R)	71.6	824.47	N/A	517.06	Axle Load	-84.79	Axle Load
74.54(B)	78.3	725.36	N/A	452.21	Axle Load	-64.83	Axle Load
76.20(B)	80.0	690.09	N/A	429.90	Axle Load	-59.65	Axle Load
80.92(L)	85.0	567.94	N/A	353.44	Axle Load	-44.87	Axle Load
80.92(R)	85.0	567.94	N/A	353.44	Axle Load	-44.87	Axle Load
85.72(B)	90.0	410.38	N/A	255.60	Axle Load	-29.82	Axle Load
87.29(B)	91.6	351.71	N/A	219.17	Axle Load	-24.91	Axle Load
93.67(L)	98.3	77.18	N/A	48.16	Axle Load	-4.95	Axle Load
93.67(R)	98.3	77.18	N/A	48.16	Axle Load	-4.95	Axle Load
94.46(B)	99.2	39.04	N/A	24.37	Axle Load	-2.47	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: Type 3
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	31.21	Axle Load	-3.13	Axle Load
4.43(B)	4.6	43.59	N/A	29.17	Axle Load	-3.13	Axle Load
8.85(L)	9.3	37.24	N/A	27.14	Axle Load	-3.13	Axle Load

8.85(R)	9.3	37.16	N/A	27.14	Axle Load	-3.13	Axle Load
9.52(B)	10.0	36.19	N/A	26.84	Axle Load	-3.13	Axle Load
15.32(B)	16.1	27.87	N/A	24.22	Axle Load	-4.21	Axle Load
19.05(B)	20.0	22.52	N/A	22.57	Axle Load	-5.38	Axle Load
21.80(L)	22.9	18.58	N/A	21.36	Axle Load	-6.64	Axle Load
21.80(R)	22.9	18.50	N/A	21.36	Axle Load	-6.64	Axle Load
28.28(B)	29.7	9.21	N/A	18.59	Axle Load	-9.58	Axle Load
28.58(B)	30.0	8.78	N/A	18.46	Axle Load	-9.72	Axle Load
34.75(L)	36.5	-0.08	N/A	15.92	Axle Load	-12.46	Axle Load
34.75(R)	36.5	-0.16	N/A	15.92	Axle Load	-12.46	Axle Load
38.10(B)	40.0	-4.96	N/A	14.59	Axle Load	-13.92	Axle Load
41.22(B)	43.3	-9.45	N/A	13.38	Axle Load	-15.26	Axle Load
47.63(B)	50.0	-18.63	N/A	11.03	Axle Load	-17.99	Axle Load
47.70(L)	50.1	-18.74	N/A	11.00	Axle Load	-18.02	Axle Load
47.70(R)	50.1	-18.82	N/A	11.00	Axle Load	-18.02	Axle Load
54.17(B)	56.9	-28.11	N/A	8.83	Axle Load	-20.80	Axle Load
57.15(B)	60.0	-32.37	N/A	7.84	Axle Load	-21.96	Axle Load
60.65(L)	63.7	-37.40	N/A	6.74	Axle Load	-23.29	Axle Load
60.65(R)	63.7	-37.48	N/A	6.74	Axle Load	-23.29	Axle Load
66.68(B)	70.0	-46.12	N/A	5.03	Axle Load	-25.76	Axle Load
67.13(B)	70.5	-46.76	N/A	4.90	Axle Load	-25.92	Axle Load
71.75(B)	75.3	-53.40	N/A	3.69	Axle Load	-27.83	Axle Load
73.60(L)	77.3	-56.05	N/A	3.22	Axle Load	-28.44	Axle Load
73.60(R)	77.3	-56.13	N/A	3.22	Axle Load	-28.44	Axle Load
76.20(B)	80.0	-59.86	N/A	2.58	Axle Load	-29.27	Axle Load
80.07(B)	84.1	-65.42	N/A	1.70	Axle Load	-30.45	Axle Load
82.25(B)	86.4	-68.54	N/A	1.25	Axle Load	-31.28	Axle Load
85.72(B)	90.0	-73.79	N/A	0.56	Axle Load	-32.25	Axle Load
86.55(L)	90.9	-75.03	N/A	0.40	Axle Load	-32.46	Axle Load
86.55(R)	90.9	-75.11	N/A	0.40	Axle Load	-32.46	Axle Load
90.90(B)	95.4	-81.67	N/A	0.00	Axle Load	-33.92	Axle Load
95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-34.93	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	34.40	Axle Load	0.00	Axle Load
2.21(B)	1.9	83.24	N/A	31.96	Axle Load	0.00	Axle Load
4.42(L)	3.7	79.90	N/A	31.32	Axle Load	0.00	Axle Load
4.42(R)	3.7	79.82	N/A	31.32	Axle Load	0.00	Axle Load
10.35(B)	8.7	70.88	N/A	29.48	Axle Load	-0.90	Axle Load
11.90(B)	10.0	68.54	N/A	28.98	Axle Load	-1.30	Axle Load

13.00(B)	10.9	66.88	N/A	28.61	Axle Load	-1.58	Axle Load
16.27(L)	13.7	62.19	N/A	27.49	Axle Load	-2.46	Axle Load
16.27(R)	13.7	62.11	N/A	27.49	Axle Load	-2.46	Axle Load
22.19(B)	18.7	53.61	N/A	25.36	Axle Load	-4.22	Axle Load
23.50(B)	19.7	51.74	N/A	24.87	Axle Load	-4.63	Axle Load
23.80(B)	20.0	51.31	N/A	24.76	Axle Load	-4.73	Axle Load
28.12(L)	23.6	45.11	N/A	23.12	Axle Load	-6.15	Axle Load
28.12(R)	23.6	45.03	N/A	23.12	Axle Load	-6.15	Axle Load
34.04(B)	28.6	36.53	N/A	20.81	Axle Load	-8.22	Axle Load
35.70(B)	30.0	34.15	N/A	20.16	Axle Load	-8.82	Axle Load
39.97(L)	33.6	28.03	N/A	18.47	Axle Load	-10.41	Axle Load
39.97(R)	33.6	27.95	N/A	18.47	Axle Load	-10.41	Axle Load
45.90(B)	38.6	19.45	N/A	16.13	Axle Load	-12.69	Axle Load
47.60(B)	40.0	17.00	N/A	15.46	Axle Load	-13.35	Axle Load
51.82(L)	43.5	10.95	N/A	13.82	Axle Load	-15.02	Axle Load
51.82(R)	43.5	10.87	N/A	13.82	Axle Load	-15.02	Axle Load
57.74(B)	48.5	2.37	N/A	11.60	Axle Load	-17.36	Axle Load
59.50(B)	50.0	-0.15	N/A	10.99	Axle Load	-18.11	Axle Load
63.67(L)	53.5	-6.13	N/A	9.50	Axle Load	-19.75	Axle Load
63.67(R)	53.5	-6.21	N/A	9.50	Axle Load	-19.75	Axle Load
69.60(B)	58.5	-14.71	N/A	7.60	Axle Load	-22.25	Axle Load
71.40(B)	60.0	-17.30	N/A	7.02	Axle Load	-22.93	Axle Load
75.52(L)	63.5	-23.21	N/A	5.77	Axle Load	-24.46	Axle Load
75.52(R)	63.5	-23.29	N/A	5.77	Axle Load	-24.46	Axle Load
81.44(B)	68.4	-31.79	N/A	4.59	Axle Load	-26.89	Axle Load
83.30(B)	70.0	-34.45	N/A	4.59	Axle Load	-27.52	Axle Load
87.37(L)	73.4	-40.29	N/A	4.59	Axle Load	-28.84	Axle Load
87.37(R)	73.4	-40.37	N/A	4.59	Axle Load	-28.84	Axle Load
93.29(B)	78.4	-48.87	N/A	4.65	Axle Load	-30.97	Axle Load
95.20(B)	80.0	-51.61	N/A	4.65	Axle Load	-31.48	Axle Load
95.50(B)	80.3	-52.04	N/A	4.65	Axle Load	-31.56	Axle Load
99.22(L)	83.4	-57.37	N/A	4.65	Axle Load	-32.50	Axle Load
99.22(R)	83.4	-57.45	N/A	4.65	Axle Load	-32.50	Axle Load
104.00(B)	87.4	-64.31	N/A	4.68	Axle Load	-33.77	Axle Load
105.14(B)	88.4	-66.04	N/A	4.68	Axle Load	-33.99	Axle Load
107.10(B)	90.0	-68.99	N/A	4.68	Axle Load	-34.34	Axle Load
111.07(L)	93.3	-74.98	N/A	4.68	Axle Load	-34.95	Axle Load
111.07(R)	93.3	-75.06	N/A	4.68	Axle Load	-34.95	Axle Load
115.03(B)	96.7	-81.04	N/A	4.74	Axle Load	-35.84	Axle Load
119.00(L)	100.0	-87.02	N/A	4.74	Axle Load	-36.18	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	36.17	Axle Load	-4.73	Axle Load
2.21(B)	1.9	83.71	N/A	33.96	Axle Load	-4.46	Axle Load
4.42(L)	3.7	80.37	N/A	33.76	Axle Load	-4.46	Axle Load
4.42(R)	3.7	80.29	N/A	33.76	Axle Load	-4.46	Axle Load
10.35(B)	8.7	71.36	N/A	33.01	Axle Load	-4.46	Axle Load
11.90(B)	10.0	69.01	N/A	32.77	Axle Load	-4.46	Axle Load
15.00(B)	12.6	64.33	N/A	32.23	Axle Load	-4.46	Axle Load
16.27(L)	13.7	62.51	N/A	31.98	Axle Load	-4.46	Axle Load
16.27(R)	13.7	62.43	N/A	31.98	Axle Load	-4.46	Axle Load
22.19(B)	18.7	53.93	N/A	30.68	Axle Load	-4.46	Axle Load
23.50(B)	19.7	52.06	N/A	30.36	Axle Load	-4.46	Axle Load
23.80(B)	20.0	51.63	N/A	30.28	Axle Load	-4.46	Axle Load
28.12(L)	23.6	45.43	N/A	29.12	Axle Load	-4.46	Axle Load
28.12(R)	23.6	45.35	N/A	29.12	Axle Load	-4.46	Axle Load
34.04(B)	28.6	36.85	N/A	27.34	Axle Load	-4.46	Axle Load
35.70(B)	30.0	34.48	N/A	26.81	Axle Load	-4.46	Axle Load
39.97(L)	33.6	28.35	N/A	25.37	Axle Load	-4.73	Axle Load
39.97(R)	33.6	28.27	N/A	25.37	Axle Load	-4.73	Axle Load
45.90(B)	38.6	19.77	N/A	23.26	Axle Load	-6.41	Axle Load
47.60(B)	40.0	17.32	N/A	22.64	Axle Load	-6.93	Axle Load
51.82(L)	43.5	11.27	N/A	21.04	Axle Load	-8.28	Axle Load
51.82(R)	43.5	11.19	N/A	21.04	Axle Load	-8.28	Axle Load
57.74(B)	48.5	2.69	N/A	18.74	Axle Load	-10.32	Axle Load
59.50(B)	50.0	0.17	N/A	18.12	Axle Load	-10.99	Axle Load
63.67(L)	53.5	-5.81	N/A	16.46	Axle Load	-12.53	Axle Load
63.67(R)	53.5	-5.89	N/A	16.46	Axle Load	-12.53	Axle Load
69.60(B)	58.5	-14.39	N/A	14.25	Axle Load	-14.95	Axle Load
71.40(B)	60.0	-16.98	N/A	13.53	Axle Load	-15.66	Axle Load
75.52(L)	63.5	-22.89	N/A	11.90	Axle Load	-17.31	Axle Load
75.52(R)	63.5	-22.97	N/A	11.90	Axle Load	-17.31	Axle Load
81.44(B)	68.4	-31.47	N/A	9.76	Axle Load	-19.94	Axle Load
83.30(B)	70.0	-34.13	N/A	9.06	Axle Load	-20.69	Axle Load
87.37(L)	73.4	-39.97	N/A	7.55	Axle Load	-22.34	Axle Load
87.37(R)	73.4	-40.05	N/A	7.55	Axle Load	-22.34	Axle Load
93.29(B)	78.4	-48.55	N/A	5.56	Axle Load	-25.00	Axle Load
95.20(B)	80.0	-51.28	N/A	4.91	Axle Load	-25.75	Axle Load
95.50(B)	80.3	-51.71	N/A	4.81	Axle Load	-25.86	Axle Load
99.22(L)	83.4	-57.05	N/A	3.63	Axle Load	-27.29	Axle Load
99.22(R)	83.4	-57.13	N/A	3.63	Axle Load	-27.29	Axle Load
105.14(B)	88.4	-65.63	N/A	1.89	Axle Load	-29.67	Axle Load

106.00(B)	89.1	-66.86	N/A	1.66	Axle Load	-29.97	Axle Load
107.10(B)	90.0	-68.52	N/A	1.35	Axle Load	-30.35	Axle Load
111.07(L)	93.3	-74.51	N/A	0.32	Axle Load	-31.70	Axle Load
111.07(R)	93.3	-74.59	N/A	0.32	Axle Load	-31.70	Axle Load
115.03(B)	96.7	-80.57	N/A	0.00	Axle Load	-33.34	Axle Load
119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-34.53	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	35.06	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	32.60	Axle Load	0.00	Axle Load
4.42(L)	4.6	81.60	N/A	32.11	Axle Load	0.00	Axle Load
4.42(R)	4.6	81.52	N/A	32.11	Axle Load	0.00	Axle Load
9.52(B)	10.0	73.82	N/A	30.87	Axle Load	-0.53	Axle Load
10.80(B)	11.3	71.90	N/A	30.54	Axle Load	-0.77	Axle Load
13.00(B)	13.6	68.57	N/A	29.95	Axle Load	-1.20	Axle Load
17.17(L)	18.0	62.59	N/A	28.77	Axle Load	-2.07	Axle Load
17.17(R)	18.0	62.51	N/A	28.77	Axle Load	-2.07	Axle Load
19.05(B)	20.0	59.81	N/A	28.22	Axle Load	-2.49	Axle Load
23.50(B)	24.7	53.43	N/A	26.83	Axle Load	-3.56	Axle Load
23.55(B)	24.7	53.37	N/A	26.82	Axle Load	-3.57	Axle Load
28.58(B)	30.0	46.15	N/A	25.14	Axle Load	-4.90	Axle Load
29.92(L)	31.4	44.22	N/A	24.67	Axle Load	-5.28	Axle Load
29.92(R)	31.4	44.14	N/A	24.67	Axle Load	-5.28	Axle Load
36.29(B)	38.1	34.99	N/A	22.37	Axle Load	-7.18	Axle Load
38.10(B)	40.0	32.40	N/A	21.70	Axle Load	-7.75	Axle Load
42.67(L)	44.8	25.85	N/A	19.93	Axle Load	-9.26	Axle Load
42.67(R)	44.8	25.77	N/A	19.93	Axle Load	-9.26	Axle Load
47.63(B)	50.0	18.66	N/A	17.99	Axle Load	-11.03	Axle Load
49.04(B)	51.5	16.62	N/A	17.40	Axle Load	-11.55	Axle Load
55.42(L)	58.2	7.48	N/A	14.85	Axle Load	-14.09	Axle Load
55.42(R)	58.2	7.40	N/A	14.85	Axle Load	-14.09	Axle Load
57.15(B)	60.0	4.92	N/A	14.10	Axle Load	-14.77	Axle Load
61.79(B)	64.9	-1.75	N/A	12.04	Axle Load	-16.65	Axle Load
66.68(B)	70.0	-8.75	N/A	9.96	Axle Load	-18.92	Axle Load
68.17(L)	71.6	-10.89	N/A	9.27	Axle Load	-19.57	Axle Load
68.17(R)	71.6	-10.97	N/A	9.27	Axle Load	-19.57	Axle Load
74.54(B)	78.3	-20.12	N/A	6.37	Axle Load	-22.66	Axle Load
76.20(B)	80.0	-22.49	N/A	5.58	Axle Load	-23.41	Axle Load
80.92(L)	85.0	-29.27	N/A	4.05	Axle Load	-25.59	Axle Load
80.92(R)	85.0	-29.35	N/A	4.05	Axle Load	-25.59	Axle Load

85.72(B)	90.0	-36.24	N/A	3.29	Axle Load	-28.17	Axle Load
87.29(B)	91.6	-38.49	N/A	3.29	Axle Load	-28.92	Axle Load
93.67(L)	98.3	-47.64	N/A	3.33	Axle Load	-32.38	Axle Load
93.67(R)	98.3	-47.72	N/A	3.33	Axle Load	-32.38	Axle Load
94.46(B)	99.2	-48.85	N/A	3.33	Axle Load	-32.77	Axle Load
95.25(L)	100.0	-49.98	N/A	3.33	Axle Load	-33.15	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: Type 3-3
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	49.93	N/A	38.34	Axle Load	-4.31	Axle Load
2	174.81	N/A	55.60	Axle Load	0.00	Axle Load
3	174.06	N/A	56.14	Axle Load	-6.48	Axle Load
4	174.81	N/A	55.81	Axle Load	0.00	Axle Load
5	49.98	N/A	40.73	Axle Load	-4.58	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: Type 3-3
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	156.20	Axle Load	-19.09	Axle Load
8.85(L)	9.3	385.73	N/A	285.94	Axle Load	-38.17	Axle Load
8.85(R)	9.3	385.73	N/A	285.94	Axle Load	-38.17	Axle Load
9.52(B)	10.0	410.49	N/A	303.49	Axle Load	-41.09	Axle Load
15.32(B)	16.1	596.25	N/A	431.22	Axle Load	-66.11	Axle Load

19.05(B)	20.0	690.11	N/A	499.14	Axle Load	-82.17	Axle Load
21.80(L)	22.9	746.63	N/A	538.51	Axle Load	-94.04	Axle Load
21.80(R)	22.9	746.63	N/A	538.51	Axle Load	-94.04	Axle Load
28.28(B)	29.7	836.34	N/A	598.50	Axle Load	-121.97	Axle Load
28.58(B)	30.0	839.04	N/A	601.40	Axle Load	-123.26	Axle Load
34.75(L)	36.5	865.90	N/A	638.67	Axle Load	-149.90	Axle Load
34.75(R)	36.5	865.90	N/A	638.67	Axle Load	-149.90	Axle Load
38.10(B)	40.0	857.32	N/A	652.39	Axle Load	-164.35	Axle Load
41.22(B)	43.3	834.80	N/A	654.43	Axle Load	-177.83	Axle Load
47.63(B)	50.0	744.95	N/A	633.62	Axle Load	-205.43	Axle Load
47.70(L)	50.1	743.55	N/A	633.30	Axle Load	-205.76	Axle Load
47.70(R)	50.1	743.55	N/A	633.30	Axle Load	-205.76	Axle Load
54.17(B)	56.9	591.63	N/A	583.62	Axle Load	-233.69	Axle Load
57.15(B)	60.0	501.67	N/A	552.38	Axle Load	-246.52	Axle Load
60.65(L)	63.7	379.57	N/A	508.48	Axle Load	-261.62	Axle Load
60.65(R)	63.7	379.57	N/A	508.48	Axle Load	-261.62	Axle Load
66.68(B)	70.0	127.75	N/A	411.83	Axle Load	-287.61	Axle Load
67.13(B)	70.5	106.85	N/A	403.99	Axle Load	-289.55	Axle Load
71.75(B)	75.3	-124.78	N/A	313.65	Axle Load	-309.50	Axle Load
73.60(L)	77.3	-226.03	N/A	273.48	Axle Load	-317.48	Axle Load
73.60(R)	77.3	-226.03	N/A	273.48	Axle Load	-317.48	Axle Load
76.20(B)	80.0	-376.82	N/A	212.43	Axle Load	-328.69	Axle Load
80.07(B)	84.1	-619.56	N/A	114.59	Axle Load	-345.41	Axle Load
82.25(B)	86.4	-765.25	N/A	54.96	Axle Load	-354.79	Axle Load
85.72(B)	90.0	-1012.55	N/A	0.00	Axle Load	-369.78	Axle Load
86.55(L)	90.9	-1073.93	N/A	0.00	Axle Load	-373.34	Axle Load
86.55(R)	90.9	-1073.93	N/A	0.00	Axle Load	-373.34	Axle Load
90.90(B)	95.4	-1414.93	N/A	0.00	Axle Load	-392.10	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-473.85	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-473.85	Axle Load
2.21(B)	1.9	-1596.84	N/A	0.00	Axle Load	-460.34	Axle Load
4.42(L)	3.7	-1416.57	N/A	0.00	Axle Load	-446.84	Axle Load
4.42(R)	3.7	-1416.57	N/A	0.00	Axle Load	-446.84	Axle Load
10.35(B)	8.7	-970.10	N/A	7.30	Axle Load	-410.62	Axle Load
11.90(B)	10.0	-861.70	N/A	48.09	Axle Load	-401.11	Axle Load
13.00(B)	10.9	-787.22	N/A	76.13	Axle Load	-394.39	Axle Load
16.27(L)	13.7	-576.19	N/A	154.42	Axle Load	-374.40	Axle Load
16.27(R)	13.7	-576.19	N/A	154.42	Axle Load	-374.40	Axle Load

22.19(B)	18.7	-233.38	N/A	278.05	Axle Load	-338.18	Axle Load
23.50(B)	19.7	-164.64	N/A	301.72	Axle Load	-330.20	Axle Load
23.80(B)	20.0	-149.19	N/A	306.92	Axle Load	-328.37	Axle Load
28.12(L)	23.6	59.07	N/A	374.81	Axle Load	-301.96	Axle Load
28.12(R)	23.6	59.07	N/A	374.81	Axle Load	-301.96	Axle Load
34.04(B)	28.6	300.68	N/A	452.28	Axle Load	-265.74	Axle Load
35.70(B)	30.0	359.17	N/A	469.42	Axle Load	-255.62	Axle Load
39.97(L)	33.6	491.92	N/A	506.30	Axle Load	-229.52	Axle Load
39.97(R)	33.6	491.92	N/A	506.30	Axle Load	-229.52	Axle Load
45.90(B)	38.6	632.33	N/A	539.04	Axle Load	-193.30	Axle Load
47.60(B)	40.0	663.41	N/A	543.08	Axle Load	-182.88	Axle Load
51.82(L)	43.5	722.38	N/A	543.70	Axle Load	-157.08	Axle Load
51.82(R)	43.5	722.38	N/A	543.70	Axle Load	-157.08	Axle Load
57.74(B)	48.5	761.59	N/A	529.11	Axle Load	-120.86	Axle Load
59.50(B)	50.0	763.54	N/A	519.50	Axle Load	-110.14	Axle Load
63.67(L)	53.5	750.44	N/A	488.11	Axle Load	-84.65	Axle Load
63.67(R)	53.5	750.44	N/A	488.11	Axle Load	-84.65	Axle Load
69.60(B)	58.5	688.45	N/A	425.56	Axle Load	-48.43	Axle Load
71.40(B)	60.0	659.56	N/A	402.35	Axle Load	-37.39	Axle Load
75.52(L)	63.5	576.10	N/A	341.68	Axle Load	-12.21	Axle Load
75.52(R)	63.5	576.10	N/A	341.68	Axle Load	-12.21	Axle Load
81.44(B)	68.4	412.91	N/A	238.11	Axle Load	-4.83	Axle Load
83.30(B)	70.0	351.47	N/A	205.03	Axle Load	-22.82	Axle Load
87.37(L)	73.4	199.36	N/A	155.31	Axle Load	-78.45	Axle Load
87.37(R)	73.4	199.36	N/A	155.31	Axle Load	-78.45	Axle Load
93.29(B)	78.4	-65.03	N/A	98.87	Axle Load	-199.93	Axle Load
95.20(B)	80.0	-160.73	N/A	108.10	Axle Load	-246.88	Axle Load
95.50(B)	80.3	-176.28	N/A	109.93	Axle Load	-254.67	Axle Load
99.22(L)	83.4	-379.78	N/A	132.67	Axle Load	-356.72	Axle Load
99.22(R)	83.4	-379.78	N/A	132.67	Axle Load	-356.72	Axle Load
104.00(B)	87.4	-670.79	N/A	161.89	Axle Load	-502.51	Axle Load
105.14(B)	88.4	-745.42	N/A	168.89	Axle Load	-539.72	Axle Load
107.10(B)	90.0	-877.40	N/A	180.84	Axle Load	-604.68	Axle Load
111.07(L)	93.3	-1163.17	N/A	205.11	Axle Load	-742.91	Axle Load
111.07(R)	93.3	-1163.17	N/A	205.11	Axle Load	-742.91	Axle Load
115.03(B)	96.7	-1472.63	N/A	229.34	Axle Load	-887.77	Axle Load
119.00(L)	100.0	-1805.80	N/A	253.58	Axle Load	-1038.23	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	253.33	Axle Load	-1038.37	Axle Load

2.21(B)	1.9	-1617.10	N/A	239.83	Axle Load	-953.30	Axle Load
4.42(L)	3.7	-1435.79	N/A	226.34	Axle Load	-870.77	Axle Load
4.42(R)	3.7	-1435.79	N/A	226.34	Axle Load	-870.77	Axle Load
10.35(B)	8.7	-986.53	N/A	190.15	Axle Load	-657.65	Axle Load
11.90(B)	10.0	-877.39	N/A	180.66	Axle Load	-604.75	Axle Load
15.00(B)	12.6	-670.71	N/A	161.73	Axle Load	-502.58	Axle Load
16.27(L)	13.7	-590.16	N/A	153.97	Axle Load	-462.13	Axle Load
16.27(R)	13.7	-590.16	N/A	153.97	Axle Load	-462.13	Axle Load
22.19(B)	18.7	-245.44	N/A	117.79	Axle Load	-289.14	Axle Load
23.50(B)	19.7	-176.28	N/A	109.82	Axle Load	-254.93	Axle Load
23.80(B)	20.0	-160.73	N/A	107.99	Axle Load	-247.14	Axle Load
28.12(L)	23.6	48.92	N/A	121.23	Axle Load	-145.43	Axle Load
28.12(R)	23.6	48.92	N/A	121.23	Axle Load	-145.43	Axle Load
34.04(B)	28.6	292.44	N/A	180.70	Axle Load	-38.90	Axle Load
35.70(B)	30.0	351.47	N/A	204.84	Axle Load	-19.89	Axle Load
39.97(L)	33.6	485.60	N/A	282.37	Axle Load	0.00	Axle Load
39.97(R)	33.6	485.60	N/A	282.37	Axle Load	0.00	Axle Load
45.90(B)	38.6	627.93	N/A	378.65	Axle Load	-26.94	Axle Load
47.60(B)	40.0	659.55	N/A	402.40	Axle Load	-37.35	Axle Load
51.82(L)	43.5	719.89	N/A	452.75	Axle Load	-63.13	Axle Load
51.82(R)	43.5	719.89	N/A	452.75	Axle Load	-63.13	Axle Load
57.74(B)	48.5	761.01	N/A	508.03	Axle Load	-99.31	Axle Load
59.50(B)	50.0	763.53	N/A	519.58	Axle Load	-110.03	Axle Load
63.67(L)	53.5	751.77	N/A	538.08	Axle Load	-135.49	Axle Load
63.67(R)	53.5	751.77	N/A	538.08	Axle Load	-135.49	Axle Load
69.60(B)	58.5	691.70	N/A	545.12	Axle Load	-171.67	Axle Load
71.40(B)	60.0	663.39	N/A	543.03	Axle Load	-182.70	Axle Load
75.52(L)	63.5	581.26	N/A	528.94	Axle Load	-207.86	Axle Load
75.52(R)	63.5	581.26	N/A	528.94	Axle Load	-207.86	Axle Load
81.44(B)	68.4	419.98	N/A	486.08	Axle Load	-244.04	Axle Load
83.30(B)	70.0	359.14	N/A	469.35	Axle Load	-255.37	Axle Load
87.37(L)	73.4	208.34	N/A	423.30	Axle Load	-280.22	Axle Load
87.37(R)	73.4	208.34	N/A	423.30	Axle Load	-280.22	Axle Load
93.29(B)	78.4	-54.13	N/A	338.72	Axle Load	-316.40	Axle Load
95.20(B)	80.0	-149.22	N/A	306.71	Axle Load	-328.04	Axle Load
95.50(B)	80.3	-164.67	N/A	301.53	Axle Load	-329.87	Axle Load
99.22(L)	83.4	-366.97	N/A	230.68	Axle Load	-352.59	Axle Load
99.22(R)	83.4	-366.97	N/A	230.68	Axle Load	-352.59	Axle Load
105.14(B)	88.4	-730.64	N/A	97.36	Axle Load	-388.77	Axle Load
106.00(B)	89.1	-787.28	N/A	76.09	Axle Load	-393.99	Axle Load
107.10(B)	90.0	-861.74	N/A	47.93	Axle Load	-400.71	Axle Load
111.07(L)	93.3	-1145.63	N/A	0.00	Axle Load	-424.95	Axle Load
111.07(R)	93.3	-1145.63	N/A	0.00	Axle Load	-424.95	Axle Load

115.03(B)	96.7	-1453.22	N/A	0.00	Axle Load	-449.17	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-473.38	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-473.38	Axle Load
2.21(B)	2.3	-1593.15	N/A	0.00	Axle Load	-401.57	Axle Load
4.42(L)	4.6	-1409.13	N/A	0.00	Axle Load	-392.03	Axle Load
4.42(R)	4.6	-1409.13	N/A	0.00	Axle Load	-392.03	Axle Load
9.52(B)	10.0	-1012.64	N/A	0.00	Axle Load	-369.99	Axle Load
10.80(B)	11.3	-920.11	N/A	0.00	Axle Load	-364.51	Axle Load
13.00(B)	13.6	-765.24	N/A	54.60	Axle Load	-355.00	Axle Load
17.17(L)	18.0	-491.76	N/A	166.06	Axle Load	-337.00	Axle Load
17.17(R)	18.0	-491.76	N/A	166.06	Axle Load	-337.00	Axle Load
19.05(B)	20.0	-376.78	N/A	212.92	Axle Load	-328.88	Axle Load
23.50(B)	24.7	-124.81	N/A	314.00	Axle Load	-309.68	Axle Load
23.55(B)	24.7	-122.41	N/A	314.96	Axle Load	-309.48	Axle Load
28.58(B)	30.0	127.87	N/A	411.68	Axle Load	-287.77	Axle Load
29.92(L)	31.4	188.64	N/A	433.94	Axle Load	-281.97	Axle Load
29.92(R)	31.4	188.64	N/A	433.94	Axle Load	-281.97	Axle Load
36.29(B)	38.1	440.88	N/A	531.19	Axle Load	-254.45	Axle Load
38.10(B)	40.0	501.71	N/A	552.69	Axle Load	-246.66	Axle Load
42.67(L)	44.8	634.82	N/A	599.52	Axle Load	-226.94	Axle Load
42.67(R)	44.8	634.82	N/A	599.52	Axle Load	-226.94	Axle Load
47.63(B)	50.0	744.89	N/A	633.55	Axle Load	-205.55	Axle Load
49.04(B)	51.5	769.94	N/A	638.80	Axle Load	-199.42	Axle Load
55.42(L)	58.2	846.76	N/A	654.92	Axle Load	-171.91	Axle Load
55.42(R)	58.2	846.76	N/A	654.92	Axle Load	-171.91	Axle Load
57.15(B)	60.0	857.41	N/A	652.40	Axle Load	-164.44	Axle Load
61.79(B)	64.9	864.77	N/A	633.91	Axle Load	-144.39	Axle Load
66.68(B)	70.0	839.15	N/A	601.39	Axle Load	-123.33	Axle Load
68.17(L)	71.6	824.47	N/A	590.13	Axle Load	-116.88	Axle Load
68.17(R)	71.6	824.47	N/A	590.13	Axle Load	-116.88	Axle Load
74.54(B)	78.3	725.36	N/A	523.96	Axle Load	-89.36	Axle Load
76.20(B)	80.0	690.09	N/A	499.19	Axle Load	-82.22	Axle Load
80.92(L)	85.0	567.94	N/A	411.33	Axle Load	-61.85	Axle Load
80.92(R)	85.0	567.94	N/A	411.33	Axle Load	-61.85	Axle Load
85.72(B)	90.0	410.38	N/A	303.46	Axle Load	-41.11	Axle Load
87.29(B)	91.6	351.71	N/A	261.79	Axle Load	-34.33	Axle Load
93.67(L)	98.3	77.18	N/A	58.86	Axle Load	-6.82	Axle Load
93.67(R)	98.3	77.18	N/A	58.86	Axle Load	-6.82	Axle Load

94.46(B)	99.2	39.04	N/A	29.86	Axle Load	-3.41	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: Type 3-3
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	49.93	N/A	38.34	Axle Load	-4.31	Axle Load
4.43(B)	4.6	43.59	N/A	35.30	Axle Load	-4.31	Axle Load
8.85(L)	9.3	37.24	N/A	32.31	Axle Load	-4.31	Axle Load
8.85(R)	9.3	37.16	N/A	32.31	Axle Load	-4.31	Axle Load
9.52(B)	10.0	36.19	N/A	31.86	Axle Load	-4.31	Axle Load
15.32(B)	16.1	27.87	N/A	28.06	Axle Load	-4.31	Axle Load
19.05(B)	20.0	22.52	N/A	25.70	Axle Load	-4.43	Axle Load
21.80(L)	22.9	18.58	N/A	24.00	Axle Load	-5.40	Axle Load
21.80(R)	22.9	18.50	N/A	24.00	Axle Load	-5.40	Axle Load
28.28(B)	29.7	9.21	N/A	20.15	Axle Load	-7.99	Axle Load
28.58(B)	30.0	8.78	N/A	19.98	Axle Load	-8.11	Axle Load
34.75(L)	36.5	-0.08	N/A	16.53	Axle Load	-10.53	Axle Load
34.75(R)	36.5	-0.16	N/A	16.53	Axle Load	-10.53	Axle Load
38.10(B)	40.0	-4.96	N/A	14.76	Axle Load	-12.17	Axle Load
41.22(B)	43.3	-9.45	N/A	13.17	Axle Load	-13.95	Axle Load
47.63(B)	50.0	-18.63	N/A	10.16	Axle Load	-17.79	Axle Load
47.70(L)	50.1	-18.74	N/A	10.13	Axle Load	-17.84	Axle Load
47.70(R)	50.1	-18.82	N/A	10.13	Axle Load	-17.84	Axle Load
54.17(B)	56.9	-28.11	N/A	7.39	Axle Load	-21.79	Axle Load
57.15(B)	60.0	-32.37	N/A	6.19	Axle Load	-23.82	Axle Load
60.65(L)	63.7	-37.40	N/A	4.87	Axle Load	-26.16	Axle Load
60.65(R)	63.7	-37.48	N/A	4.87	Axle Load	-26.16	Axle Load
66.68(B)	70.0	-46.12	N/A	2.84	Axle Load	-30.42	Axle Load

67.13(B)	70.5	-46.76	N/A	2.70	Axle Load	-30.71	Axle Load
71.75(B)	75.3	-53.40	N/A	1.31	Axle Load	-34.02	Axle Load
73.60(L)	77.3	-56.05	N/A	0.80	Axle Load	-35.17	Axle Load
73.60(R)	77.3	-56.13	N/A	0.80	Axle Load	-35.17	Axle Load
76.20(B)	80.0	-59.86	N/A	0.11	Axle Load	-36.75	Axle Load
80.07(B)	84.1	-65.42	N/A	0.00	Axle Load	-39.01	Axle Load
82.25(B)	86.4	-68.54	N/A	0.00	Axle Load	-40.52	Axle Load
85.72(B)	90.0	-73.79	N/A	0.00	Axle Load	-42.44	Axle Load
86.55(L)	90.9	-75.03	N/A	0.00	Axle Load	-42.89	Axle Load
86.55(R)	90.9	-75.11	N/A	0.00	Axle Load	-42.89	Axle Load
90.90(B)	95.4	-81.67	N/A	0.00	Axle Load	-45.64	Axle Load
95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-47.80	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	45.43	Axle Load	0.00	Axle Load
2.21(B)	1.9	83.24	N/A	41.84	Axle Load	0.00	Axle Load
4.42(L)	3.7	79.90	N/A	40.63	Axle Load	0.00	Axle Load
4.42(R)	3.7	79.82	N/A	40.63	Axle Load	0.00	Axle Load
10.35(B)	8.7	70.88	N/A	37.30	Axle Load	0.00	Axle Load
11.90(B)	10.0	68.54	N/A	36.42	Axle Load	0.00	Axle Load
13.00(B)	10.9	66.88	N/A	35.78	Axle Load	0.00	Axle Load
16.27(L)	13.7	62.19	N/A	33.87	Axle Load	0.00	Axle Load
16.27(R)	13.7	62.11	N/A	33.87	Axle Load	0.00	Axle Load
22.19(B)	18.7	53.61	N/A	30.37	Axle Load	-1.03	Axle Load
23.50(B)	19.7	51.74	N/A	29.60	Axle Load	-1.50	Axle Load
23.80(B)	20.0	51.31	N/A	29.42	Axle Load	-1.61	Axle Load
28.12(L)	23.6	45.11	N/A	26.86	Axle Load	-3.26	Axle Load
28.12(R)	23.6	45.03	N/A	26.86	Axle Load	-3.26	Axle Load
34.04(B)	28.6	36.53	N/A	23.40	Axle Load	-5.75	Axle Load
35.70(B)	30.0	34.15	N/A	22.45	Axle Load	-6.50	Axle Load
39.97(L)	33.6	28.03	N/A	20.04	Axle Load	-8.51	Axle Load
39.97(R)	33.6	27.95	N/A	20.04	Axle Load	-8.51	Axle Load
45.90(B)	38.6	19.45	N/A	16.85	Axle Load	-11.50	Axle Load
47.60(B)	40.0	17.00	N/A	15.96	Axle Load	-12.40	Axle Load
51.82(L)	43.5	10.95	N/A	13.86	Axle Load	-14.68	Axle Load
51.82(R)	43.5	10.87	N/A	13.86	Axle Load	-14.68	Axle Load
57.74(B)	48.5	2.37	N/A	11.15	Axle Load	-18.00	Axle Load
59.50(B)	50.0	-0.15	N/A	10.43	Axle Load	-19.08	Axle Load
63.67(L)	53.5	-6.13	N/A	8.76	Axle Load	-21.52	Axle Load
63.67(R)	53.5	-6.21	N/A	8.76	Axle Load	-21.52	Axle Load

69.60(B)	58.5	-14.71	N/A	6.74	Axle Load	-25.28	Axle Load
71.40(B)	60.0	-17.30	N/A	6.19	Axle Load	-26.36	Axle Load
75.52(L)	63.5	-23.21	N/A	6.19	Axle Load	-28.84	Axle Load
75.52(R)	63.5	-23.29	N/A	6.19	Axle Load	-28.84	Axle Load
81.44(B)	68.4	-31.79	N/A	6.28	Axle Load	-32.77	Axle Load
83.30(B)	70.0	-34.45	N/A	6.28	Axle Load	-33.87	Axle Load
87.37(L)	73.4	-40.29	N/A	6.28	Axle Load	-36.23	Axle Load
87.37(R)	73.4	-40.37	N/A	6.28	Axle Load	-36.23	Axle Load
93.29(B)	78.4	-48.87	N/A	6.36	Axle Load	-40.03	Axle Load
95.20(B)	80.0	-51.61	N/A	6.36	Axle Load	-41.07	Axle Load
95.50(B)	80.3	-52.04	N/A	6.36	Axle Load	-41.23	Axle Load
99.22(L)	83.4	-57.37	N/A	6.36	Axle Load	-43.15	Axle Load
99.22(R)	83.4	-57.45	N/A	6.36	Axle Load	-43.15	Axle Load
104.00(B)	87.4	-64.31	N/A	6.40	Axle Load	-45.81	Axle Load
105.14(B)	88.4	-66.04	N/A	6.40	Axle Load	-46.33	Axle Load
107.10(B)	90.0	-68.99	N/A	6.40	Axle Load	-47.21	Axle Load
111.07(L)	93.3	-74.98	N/A	6.40	Axle Load	-48.86	Axle Load
111.07(R)	93.3	-75.06	N/A	6.40	Axle Load	-48.86	Axle Load
115.03(B)	96.7	-81.04	N/A	6.48	Axle Load	-50.94	Axle Load
119.00(L)	100.0	-87.02	N/A	6.48	Axle Load	-52.28	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	52.27	Axle Load	-6.47	Axle Load
2.21(B)	1.9	83.71	N/A	48.65	Axle Load	-6.11	Axle Load
4.42(L)	3.7	80.37	N/A	47.91	Axle Load	-6.11	Axle Load
4.42(R)	3.7	80.29	N/A	47.91	Axle Load	-6.11	Axle Load
10.35(B)	8.7	71.36	N/A	45.69	Axle Load	-6.11	Axle Load
11.90(B)	10.0	69.01	N/A	45.05	Axle Load	-6.11	Axle Load
15.00(B)	12.6	64.33	N/A	43.71	Axle Load	-6.11	Axle Load
16.27(L)	13.7	62.51	N/A	43.14	Axle Load	-6.11	Axle Load
16.27(R)	13.7	62.43	N/A	43.14	Axle Load	-6.11	Axle Load
22.19(B)	18.7	53.93	N/A	40.30	Axle Load	-6.11	Axle Load
23.50(B)	19.7	52.06	N/A	39.64	Axle Load	-6.11	Axle Load
23.80(B)	20.0	51.63	N/A	39.49	Axle Load	-6.11	Axle Load
28.12(L)	23.6	45.43	N/A	37.21	Axle Load	-6.11	Axle Load
28.12(R)	23.6	45.35	N/A	37.21	Axle Load	-6.11	Axle Load
34.04(B)	28.6	36.85	N/A	33.93	Axle Load	-6.11	Axle Load
35.70(B)	30.0	34.48	N/A	32.99	Axle Load	-6.11	Axle Load
39.97(L)	33.6	28.35	N/A	30.52	Axle Load	-6.11	Axle Load
39.97(R)	33.6	28.27	N/A	30.52	Axle Load	-6.11	Axle Load

45.90(B)	38.6	19.77	N/A	27.03	Axle Load	-6.11	Axle Load
47.60(B)	40.0	17.32	N/A	26.02	Axle Load	-6.11	Axle Load
51.82(L)	43.5	11.27	N/A	23.51	Axle Load	-7.46	Axle Load
51.82(R)	43.5	11.19	N/A	23.51	Axle Load	-7.46	Axle Load
57.74(B)	48.5	2.69	N/A	20.03	Axle Load	-9.68	Axle Load
59.50(B)	50.0	0.17	N/A	19.08	Axle Load	-10.43	Axle Load
63.67(L)	53.5	-5.81	N/A	16.69	Axle Load	-12.26	Axle Load
63.67(R)	53.5	-5.89	N/A	16.69	Axle Load	-12.26	Axle Load
69.60(B)	58.5	-14.39	N/A	13.54	Axle Load	-15.25	Axle Load
71.40(B)	60.0	-16.98	N/A	12.56	Axle Load	-16.18	Axle Load
75.52(L)	63.5	-22.89	N/A	10.39	Axle Load	-18.37	Axle Load
75.52(R)	63.5	-22.97	N/A	10.39	Axle Load	-18.37	Axle Load
81.44(B)	68.4	-31.47	N/A	7.56	Axle Load	-21.96	Axle Load
83.30(B)	70.0	-34.13	N/A	6.67	Axle Load	-23.05	Axle Load
87.37(L)	73.4	-39.97	N/A	4.83	Axle Load	-25.46	Axle Load
87.37(R)	73.4	-40.05	N/A	4.83	Axle Load	-25.46	Axle Load
93.29(B)	78.4	-48.55	N/A	2.40	Axle Load	-29.42	Axle Load
95.20(B)	80.0	-51.28	N/A	1.66	Axle Load	-30.59	Axle Load
95.50(B)	80.3	-51.71	N/A	1.55	Axle Load	-30.78	Axle Load
99.22(L)	83.4	-57.05	N/A	0.22	Axle Load	-33.07	Axle Load
99.22(R)	83.4	-57.13	N/A	0.22	Axle Load	-33.07	Axle Load
105.14(B)	88.4	-65.63	N/A	0.00	Axle Load	-36.96	Axle Load
106.00(B)	89.1	-66.86	N/A	0.00	Axle Load	-37.48	Axle Load
107.10(B)	90.0	-68.52	N/A	0.00	Axle Load	-38.15	Axle Load
111.07(L)	93.3	-74.51	N/A	0.00	Axle Load	-40.52	Axle Load
111.07(R)	93.3	-74.59	N/A	0.00	Axle Load	-40.52	Axle Load
115.03(B)	96.7	-80.57	N/A	0.00	Axle Load	-43.33	Axle Load
119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-45.60	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	47.97	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	44.24	Axle Load	0.00	Axle Load
4.42(L)	4.6	81.60	N/A	43.19	Axle Load	0.00	Axle Load
4.42(R)	4.6	81.52	N/A	43.19	Axle Load	0.00	Axle Load
9.52(B)	10.0	73.82	N/A	40.63	Axle Load	0.00	Axle Load
10.80(B)	11.3	71.90	N/A	39.96	Axle Load	0.00	Axle Load
13.00(B)	13.6	68.57	N/A	38.79	Axle Load	0.00	Axle Load
17.17(L)	18.0	62.59	N/A	36.49	Axle Load	0.00	Axle Load
17.17(R)	18.0	62.51	N/A	36.49	Axle Load	0.00	Axle Load
19.05(B)	20.0	59.81	N/A	35.42	Axle Load	-0.11	Axle Load

23.50(B)	24.7	53.43	N/A	32.80	Axle Load	-1.27	Axle Load
23.55(B)	24.7	53.37	N/A	32.77	Axle Load	-1.28	Axle Load
28.58(B)	30.0	46.15	N/A	29.68	Axle Load	-2.77	Axle Load
29.92(L)	31.4	44.22	N/A	28.84	Axle Load	-3.20	Axle Load
29.92(R)	31.4	44.14	N/A	28.84	Axle Load	-3.20	Axle Load
36.29(B)	38.1	34.99	N/A	24.72	Axle Load	-5.44	Axle Load
38.10(B)	40.0	32.40	N/A	23.52	Axle Load	-6.12	Axle Load
42.67(L)	44.8	25.85	N/A	20.60	Axle Load	-7.96	Axle Load
42.67(R)	44.8	25.77	N/A	20.60	Axle Load	-7.96	Axle Load
47.63(B)	50.0	18.66	N/A	17.80	Axle Load	-10.16	Axle Load
49.04(B)	51.5	16.62	N/A	16.96	Axle Load	-10.81	Axle Load
55.42(L)	58.2	7.48	N/A	13.27	Axle Load	-14.05	Axle Load
55.42(R)	58.2	7.40	N/A	13.27	Axle Load	-14.05	Axle Load
57.15(B)	60.0	4.92	N/A	12.32	Axle Load	-14.94	Axle Load
61.79(B)	64.9	-1.75	N/A	10.15	Axle Load	-17.45	Axle Load
66.68(B)	70.0	-8.75	N/A	8.31	Axle Load	-20.47	Axle Load
68.17(L)	71.6	-10.89	N/A	7.70	Axle Load	-21.36	Axle Load
68.17(R)	71.6	-10.97	N/A	7.70	Axle Load	-21.36	Axle Load
74.54(B)	78.3	-20.12	N/A	5.14	Axle Load	-25.60	Axle Load
76.20(B)	80.0	-22.49	N/A	4.59	Axle Load	-26.66	Axle Load
80.92(L)	85.0	-29.27	N/A	4.48	Axle Load	-29.78	Axle Load
80.92(R)	85.0	-29.35	N/A	4.48	Axle Load	-29.78	Axle Load
85.72(B)	90.0	-36.24	N/A	4.53	Axle Load	-33.45	Axle Load
87.29(B)	91.6	-38.49	N/A	4.53	Axle Load	-34.55	Axle Load
93.67(L)	98.3	-47.64	N/A	4.58	Axle Load	-39.57	Axle Load
93.67(R)	98.3	-47.72	N/A	4.58	Axle Load	-39.57	Axle Load
94.46(B)	99.2	-48.85	N/A	4.58	Axle Load	-40.15	Axle Load
95.25(L)	100.0	-49.98	N/A	4.58	Axle Load	-40.73	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: Type 3S2
Impact = 33.000 %

DC
(kip)

DW
(kip)

+(LL+I)
(kip)

-(LL+I)
(kip)

Support				Controlling Live Load		Controlling Live Load
1	49.93	N/A	37.72	Axle Load	-4.14	Axle Load
2	174.81	N/A	51.10	Axle Load	0.00	Axle Load
3	174.06	N/A	51.36	Axle Load	-6.24	Axle Load
4	174.81	N/A	51.27	Axle Load	0.00	Axle Load
5	49.98	N/A	40.06	Axle Load	-4.40	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: Type 3S2
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
4.43(B)	4.6	206.91	N/A	154.37	Axle Load	-18.30	Axle Load
8.85(L)	9.3	385.73	N/A	284.09	Axle Load	-36.60	Axle Load
8.85(R)	9.3	385.73	N/A	284.09	Axle Load	-36.60	Axle Load
9.52(B)	10.0	410.49	N/A	301.76	Axle Load	-39.39	Axle Load
15.32(B)	16.1	596.25	N/A	431.00	Axle Load	-63.38	Axle Load
19.05(B)	20.0	690.11	N/A	500.27	Axle Load	-78.79	Axle Load
21.80(L)	22.9	746.63	N/A	546.85	Axle Load	-90.16	Axle Load
21.80(R)	22.9	746.63	N/A	546.85	Axle Load	-90.16	Axle Load
28.28(B)	29.7	836.34	N/A	622.90	Axle Load	-116.94	Axle Load
28.58(B)	30.0	839.04	N/A	625.34	Axle Load	-118.18	Axle Load
34.75(L)	36.5	865.90	N/A	662.55	Axle Load	-143.72	Axle Load
34.75(R)	36.5	865.90	N/A	662.55	Axle Load	-143.72	Axle Load
38.10(B)	40.0	857.32	N/A	668.60	Axle Load	-157.58	Axle Load
41.22(B)	43.3	834.80	N/A	664.49	Axle Load	-170.50	Axle Load
47.63(B)	50.0	744.95	N/A	646.16	Axle Load	-196.97	Axle Load
47.70(L)	50.1	743.55	N/A	645.91	Axle Load	-197.28	Axle Load
47.70(R)	50.1	743.55	N/A	645.91	Axle Load	-197.28	Axle Load
54.17(B)	56.9	591.63	N/A	604.61	Axle Load	-224.06	Axle Load
57.15(B)	60.0	501.67	N/A	573.35	Axle Load	-236.37	Axle Load
60.65(L)	63.7	379.57	N/A	527.81	Axle Load	-250.84	Axle Load
60.65(R)	63.7	379.57	N/A	527.81	Axle Load	-250.84	Axle Load
66.68(B)	70.0	127.75	N/A	433.22	Axle Load	-275.76	Axle Load
67.13(B)	70.5	106.85	N/A	425.15	Axle Load	-277.62	Axle Load
71.75(B)	75.3	-124.78	N/A	335.07	Axle Load	-296.75	Axle Load

73.60(L)	77.3	-226.03	N/A	295.84	Axle Load	-304.40	Axle Load
73.60(R)	77.3	-226.03	N/A	295.84	Axle Load	-304.40	Axle Load
76.20(B)	80.0	-376.82	N/A	237.70	Axle Load	-315.16	Axle Load
80.07(B)	84.1	-619.56	N/A	145.29	Axle Load	-331.18	Axle Load
82.25(B)	86.4	-765.25	N/A	91.71	Axle Load	-340.18	Axle Load
85.72(B)	90.0	-1012.55	N/A	2.03	Axle Load	-354.55	Axle Load
86.55(L)	90.9	-1073.93	N/A	0.00	Axle Load	-357.96	Axle Load
86.55(R)	90.9	-1073.93	N/A	0.00	Axle Load	-357.96	Axle Load
90.90(B)	95.4	-1414.93	N/A	0.00	Axle Load	-375.95	Axle Load
95.25(L)	100.0	-1784.48	N/A	0.00	Axle Load	-456.81	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.48	N/A	0.00	Axle Load	-456.81	Axle Load
2.21(B)	1.9	-1596.84	N/A	0.00	Axle Load	-443.78	Axle Load
4.42(L)	3.7	-1416.57	N/A	0.00	Axle Load	-430.76	Axle Load
4.42(R)	3.7	-1416.57	N/A	0.00	Axle Load	-430.76	Axle Load
10.35(B)	8.7	-970.10	N/A	45.56	Axle Load	-395.84	Axle Load
11.90(B)	10.0	-861.70	N/A	83.63	Axle Load	-386.68	Axle Load
13.00(B)	10.9	-787.22	N/A	109.88	Axle Load	-380.20	Axle Load
16.27(L)	13.7	-576.19	N/A	184.28	Axle Load	-360.93	Axle Load
16.27(R)	13.7	-576.19	N/A	184.28	Axle Load	-360.93	Axle Load
22.19(B)	18.7	-233.38	N/A	303.19	Axle Load	-326.01	Axle Load
23.50(B)	19.7	-164.64	N/A	326.73	Axle Load	-318.32	Axle Load
23.80(B)	20.0	-149.19	N/A	331.92	Axle Load	-316.55	Axle Load
28.12(L)	23.6	59.07	N/A	400.87	Axle Load	-291.09	Axle Load
28.12(R)	23.6	59.07	N/A	400.87	Axle Load	-291.09	Axle Load
34.04(B)	28.6	300.68	N/A	476.22	Axle Load	-256.18	Axle Load
35.70(B)	30.0	359.17	N/A	493.02	Axle Load	-246.43	Axle Load
39.97(L)	33.6	491.92	N/A	527.46	Axle Load	-221.26	Axle Load
39.97(R)	33.6	491.92	N/A	527.46	Axle Load	-221.26	Axle Load
45.90(B)	38.6	632.33	N/A	553.17	Axle Load	-186.35	Axle Load
47.60(B)	40.0	663.41	N/A	555.45	Axle Load	-176.30	Axle Load
51.82(L)	43.5	722.38	N/A	553.88	Axle Load	-151.43	Axle Load
51.82(R)	43.5	722.38	N/A	553.88	Axle Load	-151.43	Axle Load
57.74(B)	48.5	761.59	N/A	543.68	Axle Load	-116.52	Axle Load
59.50(B)	50.0	763.54	N/A	535.58	Axle Load	-106.17	Axle Load
63.67(L)	53.5	750.44	N/A	508.62	Axle Load	-81.60	Axle Load
63.67(R)	53.5	750.44	N/A	508.62	Axle Load	-81.60	Axle Load
69.60(B)	58.5	688.45	N/A	448.60	Axle Load	-46.68	Axle Load
71.40(B)	60.0	659.56	N/A	425.81	Axle Load	-36.05	Axle Load

75.52(L)	63.5	576.10	N/A	368.48	Axle Load	-11.77	Axle Load
75.52(R)	63.5	576.10	N/A	368.48	Axle Load	-11.77	Axle Load
81.44(B)	68.4	412.91	N/A	270.00	Axle Load	-11.11	Axle Load
83.30(B)	70.0	351.47	N/A	236.31	Axle Load	-27.70	Axle Load
87.37(L)	73.4	199.36	N/A	175.23	Axle Load	-83.23	Axle Load
87.37(R)	73.4	199.36	N/A	175.23	Axle Load	-83.23	Axle Load
93.29(B)	78.4	-65.03	N/A	107.34	Axle Load	-199.54	Axle Load
95.20(B)	80.0	-160.73	N/A	104.21	Axle Load	-244.26	Axle Load
95.50(B)	80.3	-176.28	N/A	105.97	Axle Load	-251.51	Axle Load
99.22(L)	83.4	-379.78	N/A	127.90	Axle Load	-347.06	Axle Load
99.22(R)	83.4	-379.78	N/A	127.90	Axle Load	-347.06	Axle Load
104.00(B)	87.4	-670.79	N/A	156.06	Axle Load	-484.09	Axle Load
105.14(B)	88.4	-745.42	N/A	162.81	Axle Load	-518.78	Axle Load
107.10(B)	90.0	-877.40	N/A	174.33	Axle Load	-579.53	Axle Load
111.07(L)	93.3	-1163.17	N/A	197.73	Axle Load	-707.87	Axle Load
111.07(R)	93.3	-1163.17	N/A	197.73	Axle Load	-707.87	Axle Load
115.03(B)	96.7	-1472.63	N/A	221.09	Axle Load	-841.63	Axle Load
119.00(L)	100.0	-1805.80	N/A	244.46	Axle Load	-982.27	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1805.78	N/A	244.32	Axle Load	-982.63	Axle Load
2.21(B)	1.9	-1617.10	N/A	231.31	Axle Load	-903.25	Axle Load
4.42(L)	3.7	-1435.79	N/A	218.29	Axle Load	-826.48	Axle Load
4.42(R)	3.7	-1435.79	N/A	218.29	Axle Load	-826.48	Axle Load
10.35(B)	8.7	-986.53	N/A	183.39	Axle Load	-628.51	Axle Load
11.90(B)	10.0	-877.39	N/A	174.24	Axle Load	-579.77	Axle Load
15.00(B)	12.6	-670.71	N/A	155.98	Axle Load	-484.36	Axle Load
16.27(L)	13.7	-590.16	N/A	148.50	Axle Load	-446.20	Axle Load
16.27(R)	13.7	-590.16	N/A	148.50	Axle Load	-446.20	Axle Load
22.19(B)	18.7	-245.44	N/A	113.60	Axle Load	-284.17	Axle Load
23.50(B)	19.7	-176.28	N/A	105.92	Axle Load	-251.80	Axle Load
23.80(B)	20.0	-160.73	N/A	104.15	Axle Load	-244.50	Axle Load
28.12(L)	23.6	48.92	N/A	133.44	Axle Load	-147.56	Axle Load
28.12(R)	23.6	48.92	N/A	133.44	Axle Load	-147.56	Axle Load
34.04(B)	28.6	292.44	N/A	207.94	Axle Load	-47.33	Axle Load
35.70(B)	30.0	351.47	N/A	237.06	Axle Load	-27.81	Axle Load
39.97(L)	33.6	485.60	N/A	311.66	Axle Load	0.00	Axle Load
39.97(R)	33.6	485.60	N/A	311.66	Axle Load	0.00	Axle Load
45.90(B)	38.6	627.93	N/A	403.57	Axle Load	-25.99	Axle Load
47.60(B)	40.0	659.55	N/A	426.29	Axle Load	-36.03	Axle Load

51.82(L)	43.5	719.89	N/A	475.60	Axle Load	-60.88	Axle Load
51.82(R)	43.5	719.89	N/A	475.60	Axle Load	-60.88	Axle Load
57.74(B)	48.5	761.01	N/A	526.00	Axle Load	-95.78	Axle Load
59.50(B)	50.0	763.53	N/A	535.90	Axle Load	-106.11	Axle Load
63.67(L)	53.5	751.77	N/A	550.81	Axle Load	-130.68	Axle Load
63.67(R)	53.5	751.77	N/A	550.81	Axle Load	-130.68	Axle Load
69.60(B)	58.5	691.70	N/A	555.72	Axle Load	-165.57	Axle Load
71.40(B)	60.0	663.39	N/A	555.18	Axle Load	-176.20	Axle Load
75.52(L)	63.5	581.26	N/A	546.06	Axle Load	-200.47	Axle Load
75.52(R)	63.5	581.26	N/A	546.06	Axle Load	-200.47	Axle Load
81.44(B)	68.4	419.98	N/A	509.51	Axle Load	-235.37	Axle Load
83.30(B)	70.0	359.14	N/A	492.62	Axle Load	-246.29	Axle Load
87.37(L)	73.4	208.34	N/A	447.99	Axle Load	-270.26	Axle Load
87.37(R)	73.4	208.34	N/A	447.99	Axle Load	-270.26	Axle Load
93.29(B)	78.4	-54.13	N/A	364.11	Axle Load	-305.16	Axle Load
95.20(B)	80.0	-149.22	N/A	332.14	Axle Load	-316.38	Axle Load
95.50(B)	80.3	-164.67	N/A	326.86	Axle Load	-318.15	Axle Load
99.22(L)	83.4	-366.97	N/A	256.91	Axle Load	-340.06	Axle Load
99.22(R)	83.4	-366.97	N/A	256.91	Axle Load	-340.06	Axle Load
105.14(B)	88.4	-730.64	N/A	130.05	Axle Load	-374.95	Axle Load
106.00(B)	89.1	-787.28	N/A	110.23	Axle Load	-379.99	Axle Load
107.10(B)	90.0	-861.74	N/A	84.00	Axle Load	-386.47	Axle Load
111.07(L)	93.3	-1145.63	N/A	0.00	Axle Load	-409.85	Axle Load
111.07(R)	93.3	-1145.63	N/A	0.00	Axle Load	-409.85	Axle Load
115.03(B)	96.7	-1453.22	N/A	0.00	Axle Load	-433.20	Axle Load
119.00(L)	100.0	-1784.53	N/A	0.00	Axle Load	-456.55	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1784.53	N/A	0.00	Axle Load	-456.55	Axle Load
2.21(B)	2.3	-1593.15	N/A	0.00	Axle Load	-386.58	Axle Load
4.42(L)	4.6	-1409.13	N/A	0.00	Axle Load	-376.17	Axle Load
4.42(R)	4.6	-1409.13	N/A	0.00	Axle Load	-376.17	Axle Load
9.52(B)	10.0	-1012.64	N/A	2.44	Axle Load	-355.03	Axle Load
10.80(B)	11.3	-920.11	N/A	35.23	Axle Load	-349.77	Axle Load
13.00(B)	13.6	-765.24	N/A	91.07	Axle Load	-340.63	Axle Load
17.17(L)	18.0	-491.76	N/A	193.64	Axle Load	-323.36	Axle Load
17.17(R)	18.0	-491.76	N/A	193.64	Axle Load	-323.36	Axle Load
19.05(B)	20.0	-376.78	N/A	237.45	Axle Load	-315.58	Axle Load
23.50(B)	24.7	-124.81	N/A	335.12	Axle Load	-297.15	Axle Load
23.55(B)	24.7	-122.41	N/A	336.05	Axle Load	-296.96	Axle Load

28.58(B)	30.0	127.87	N/A	433.33	Axle Load	-276.13	Axle Load
29.92(L)	31.4	188.64	N/A	456.49	Axle Load	-270.56	Axle Load
29.92(R)	31.4	188.64	N/A	456.49	Axle Load	-270.56	Axle Load
36.29(B)	38.1	440.88	N/A	551.30	Axle Load	-244.16	Axle Load
38.10(B)	40.0	501.71	N/A	573.63	Axle Load	-236.68	Axle Load
42.67(L)	44.8	634.82	N/A	618.16	Axle Load	-217.76	Axle Load
42.67(R)	44.8	634.82	N/A	618.16	Axle Load	-217.76	Axle Load
47.63(B)	50.0	744.89	N/A	646.05	Axle Load	-197.24	Axle Load
49.04(B)	51.5	769.94	N/A	649.71	Axle Load	-191.36	Axle Load
55.42(L)	58.2	846.76	N/A	667.49	Axle Load	-164.95	Axle Load
55.42(R)	58.2	846.76	N/A	667.49	Axle Load	-164.95	Axle Load
57.15(B)	60.0	857.41	N/A	668.65	Axle Load	-157.79	Axle Load
61.79(B)	64.9	864.77	N/A	657.38	Axle Load	-138.55	Axle Load
66.68(B)	70.0	839.15	N/A	625.31	Axle Load	-118.34	Axle Load
68.17(L)	71.6	824.47	N/A	612.25	Axle Load	-112.15	Axle Load
68.17(R)	71.6	824.47	N/A	612.25	Axle Load	-112.15	Axle Load
74.54(B)	78.3	725.36	N/A	529.28	Axle Load	-85.75	Axle Load
76.20(B)	80.0	690.09	N/A	500.23	Axle Load	-78.89	Axle Load
80.92(L)	85.0	567.94	N/A	411.68	Axle Load	-59.35	Axle Load
80.92(R)	85.0	567.94	N/A	411.68	Axle Load	-59.35	Axle Load
85.72(B)	90.0	410.38	N/A	301.75	Axle Load	-39.45	Axle Load
87.29(B)	91.6	351.71	N/A	259.79	Axle Load	-32.95	Axle Load
93.67(L)	98.3	77.18	N/A	57.99	Axle Load	-6.54	Axle Load
93.67(R)	98.3	77.18	N/A	57.99	Axle Load	-6.54	Axle Load
94.46(B)	99.2	39.04	N/A	29.39	Axle Load	-3.27	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: Type 3S2
Impact = ** %

Span 1

DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load

Location (ft)	Percent						
0.00(R)	0.0	49.93	N/A	37.72	Axle Load	-4.14	Axle Load
4.43(B)	4.6	43.59	N/A	34.89	Axle Load	-4.14	Axle Load
8.85(L)	9.3	37.24	N/A	32.10	Axle Load	-4.14	Axle Load
8.85(R)	9.3	37.16	N/A	32.10	Axle Load	-4.14	Axle Load
9.52(B)	10.0	36.19	N/A	31.68	Axle Load	-4.14	Axle Load
15.32(B)	16.1	27.87	N/A	28.12	Axle Load	-4.14	Axle Load
19.05(B)	20.0	22.52	N/A	25.90	Axle Load	-4.90	Axle Load
21.80(L)	22.9	18.58	N/A	24.30	Axle Load	-5.68	Axle Load
21.80(R)	22.9	18.50	N/A	24.30	Axle Load	-5.68	Axle Load
28.28(B)	29.7	9.21	N/A	20.63	Axle Load	-7.80	Axle Load
28.58(B)	30.0	8.78	N/A	20.46	Axle Load	-7.93	Axle Load
34.75(L)	36.5	-0.08	N/A	17.15	Axle Load	-11.18	Axle Load
34.75(R)	36.5	-0.16	N/A	17.15	Axle Load	-11.18	Axle Load
38.10(B)	40.0	-4.96	N/A	15.45	Axle Load	-13.03	Axle Load
41.22(B)	43.3	-9.45	N/A	13.91	Axle Load	-14.76	Axle Load
47.63(B)	50.0	-18.63	N/A	10.97	Axle Load	-18.83	Axle Load
47.70(L)	50.1	-18.74	N/A	10.94	Axle Load	-18.88	Axle Load
47.70(R)	50.1	-18.82	N/A	10.94	Axle Load	-18.88	Axle Load
54.17(B)	56.9	-28.11	N/A	8.26	Axle Load	-23.04	Axle Load
57.15(B)	60.0	-32.37	N/A	7.08	Axle Load	-24.83	Axle Load
60.65(L)	63.7	-37.40	N/A	5.77	Axle Load	-26.89	Axle Load
60.65(R)	63.7	-37.48	N/A	5.77	Axle Load	-26.89	Axle Load
66.68(B)	70.0	-46.12	N/A	3.73	Axle Load	-30.67	Axle Load
67.13(B)	70.5	-46.76	N/A	3.58	Axle Load	-30.92	Axle Load
71.75(B)	75.3	-53.40	N/A	2.18	Axle Load	-33.85	Axle Load
73.60(L)	77.3	-56.05	N/A	1.65	Axle Load	-34.84	Axle Load
73.60(R)	77.3	-56.13	N/A	1.65	Axle Load	-34.84	Axle Load
76.20(B)	80.0	-59.86	N/A	0.93	Axle Load	-36.20	Axle Load
80.07(B)	84.1	-65.42	N/A	0.00	Axle Load	-38.15	Axle Load
82.25(B)	86.4	-68.54	N/A	0.00	Axle Load	-39.48	Axle Load
85.72(B)	90.0	-73.79	N/A	0.00	Axle Load	-41.11	Axle Load
86.55(L)	90.9	-75.03	N/A	0.00	Axle Load	-41.49	Axle Load
86.55(R)	90.9	-75.11	N/A	0.00	Axle Load	-41.49	Axle Load
90.90(B)	95.4	-81.67	N/A	0.00	Axle Load	-43.86	Axle Load
95.25(L)	100.0	-88.23	N/A	0.00	Axle Load	-45.67	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	86.57	N/A	43.85	Axle Load	0.00	Axle Load

2.21(B)	1.9	83.24	N/A	40.50	Axle Load	0.00	Axle Load
4.42(L)	3.7	79.90	N/A	39.44	Axle Load	0.00	Axle Load
4.42(R)	3.7	79.82	N/A	39.44	Axle Load	0.00	Axle Load
10.35(B)	8.7	70.88	N/A	36.49	Axle Load	0.00	Axle Load
11.90(B)	10.0	68.54	N/A	35.69	Axle Load	0.00	Axle Load
13.00(B)	10.9	66.88	N/A	35.12	Axle Load	0.00	Axle Load
16.27(L)	13.7	62.19	N/A	33.40	Axle Load	-0.18	Axle Load
16.27(R)	13.7	62.11	N/A	33.40	Axle Load	-0.18	Axle Load
22.19(B)	18.7	53.61	N/A	30.20	Axle Load	-2.18	Axle Load
23.50(B)	19.7	51.74	N/A	29.49	Axle Load	-2.66	Axle Load
23.80(B)	20.0	51.31	N/A	29.33	Axle Load	-2.77	Axle Load
28.12(L)	23.6	45.11	N/A	26.95	Axle Load	-4.43	Axle Load
28.12(R)	23.6	45.03	N/A	26.95	Axle Load	-4.43	Axle Load
34.04(B)	28.6	36.53	N/A	23.70	Axle Load	-6.95	Axle Load
35.70(B)	30.0	34.15	N/A	22.80	Axle Load	-7.69	Axle Load
39.97(L)	33.6	28.03	N/A	20.50	Axle Load	-9.66	Axle Load
39.97(R)	33.6	27.95	N/A	20.50	Axle Load	-9.66	Axle Load
45.90(B)	38.6	19.45	N/A	17.39	Axle Load	-12.56	Axle Load
47.60(B)	40.0	17.00	N/A	16.53	Axle Load	-13.43	Axle Load
51.82(L)	43.5	10.95	N/A	14.44	Axle Load	-15.62	Axle Load
51.82(R)	43.5	10.87	N/A	14.44	Axle Load	-15.62	Axle Load
57.74(B)	48.5	2.37	N/A	11.68	Axle Load	-18.79	Axle Load
59.50(B)	50.0	-0.15	N/A	10.96	Axle Load	-19.82	Axle Load
63.67(L)	53.5	-6.13	N/A	9.22	Axle Load	-22.11	Axle Load
63.67(R)	53.5	-6.21	N/A	9.22	Axle Load	-22.11	Axle Load
69.60(B)	58.5	-14.71	N/A	7.07	Axle Load	-25.62	Axle Load
71.40(B)	60.0	-17.30	N/A	6.46	Axle Load	-26.63	Axle Load
75.52(L)	63.5	-23.21	N/A	5.97	Axle Load	-28.89	Axle Load
75.52(R)	63.5	-23.29	N/A	5.97	Axle Load	-28.89	Axle Load
81.44(B)	68.4	-31.79	N/A	6.05	Axle Load	-32.49	Axle Load
83.30(B)	70.0	-34.45	N/A	6.05	Axle Load	-33.47	Axle Load
87.37(L)	73.4	-40.29	N/A	6.05	Axle Load	-35.58	Axle Load
87.37(R)	73.4	-40.37	N/A	6.05	Axle Load	-35.58	Axle Load
93.29(B)	78.4	-48.87	N/A	6.13	Axle Load	-38.96	Axle Load
95.20(B)	80.0	-51.61	N/A	6.13	Axle Load	-39.85	Axle Load
95.50(B)	80.3	-52.04	N/A	6.13	Axle Load	-39.99	Axle Load
99.22(L)	83.4	-57.37	N/A	6.13	Axle Load	-41.65	Axle Load
99.22(R)	83.4	-57.45	N/A	6.13	Axle Load	-41.65	Axle Load
104.00(B)	87.4	-64.31	N/A	6.17	Axle Load	-43.91	Axle Load
105.14(B)	88.4	-66.04	N/A	6.17	Axle Load	-44.35	Axle Load
107.10(B)	90.0	-68.99	N/A	6.17	Axle Load	-45.07	Axle Load
111.07(L)	93.3	-74.98	N/A	6.17	Axle Load	-46.42	Axle Load
111.07(R)	93.3	-75.06	N/A	6.17	Axle Load	-46.42	Axle Load

115.03(B)	96.7	-81.04	N/A	6.24	Axle Load	-48.14	Axle Load
119.00(L)	100.0	-87.02	N/A	6.24	Axle Load	-49.16	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	87.04	N/A	49.16	Axle Load	-6.24	Axle Load
2.21(B)	1.9	83.71	N/A	45.87	Axle Load	-5.89	Axle Load
4.42(L)	3.7	80.37	N/A	45.30	Axle Load	-5.89	Axle Load
4.42(R)	3.7	80.29	N/A	45.30	Axle Load	-5.89	Axle Load
10.35(B)	8.7	71.36	N/A	43.54	Axle Load	-5.89	Axle Load
11.90(B)	10.0	69.01	N/A	43.01	Axle Load	-5.89	Axle Load
15.00(B)	12.6	64.33	N/A	41.90	Axle Load	-5.89	Axle Load
16.27(L)	13.7	62.51	N/A	41.43	Axle Load	-5.89	Axle Load
16.27(R)	13.7	62.43	N/A	41.43	Axle Load	-5.89	Axle Load
22.19(B)	18.7	53.93	N/A	39.03	Axle Load	-5.89	Axle Load
23.50(B)	19.7	52.06	N/A	38.46	Axle Load	-5.89	Axle Load
23.80(B)	20.0	51.63	N/A	38.33	Axle Load	-5.89	Axle Load
28.12(L)	23.6	45.43	N/A	36.34	Axle Load	-5.89	Axle Load
28.12(R)	23.6	45.35	N/A	36.34	Axle Load	-5.89	Axle Load
34.04(B)	28.6	36.85	N/A	33.45	Axle Load	-5.89	Axle Load
35.70(B)	30.0	34.48	N/A	32.61	Axle Load	-5.89	Axle Load
39.97(L)	33.6	28.35	N/A	30.38	Axle Load	-5.89	Axle Load
39.97(R)	33.6	28.27	N/A	30.38	Axle Load	-5.89	Axle Load
45.90(B)	38.6	19.77	N/A	27.21	Axle Load	-5.89	Axle Load
47.60(B)	40.0	17.32	N/A	26.28	Axle Load	-6.38	Axle Load
51.82(L)	43.5	11.27	N/A	23.96	Axle Load	-7.84	Axle Load
51.82(R)	43.5	11.19	N/A	23.96	Axle Load	-7.84	Axle Load
57.74(B)	48.5	2.69	N/A	20.70	Axle Load	-10.17	Axle Load
59.50(B)	50.0	0.17	N/A	19.82	Axle Load	-10.96	Axle Load
63.67(L)	53.5	-5.81	N/A	17.55	Axle Load	-12.82	Axle Load
63.67(R)	53.5	-5.89	N/A	17.55	Axle Load	-12.82	Axle Load
69.60(B)	58.5	-14.39	N/A	14.55	Axle Load	-15.83	Axle Load
71.40(B)	60.0	-16.98	N/A	13.61	Axle Load	-16.75	Axle Load
75.52(L)	63.5	-22.89	N/A	11.51	Axle Load	-18.89	Axle Load
75.52(R)	63.5	-22.97	N/A	11.51	Axle Load	-18.89	Axle Load
81.44(B)	68.4	-31.47	N/A	8.75	Axle Load	-22.37	Axle Load
83.30(B)	70.0	-34.13	N/A	7.89	Axle Load	-23.41	Axle Load
87.37(L)	73.4	-39.97	N/A	6.05	Axle Load	-25.69	Axle Load
87.37(R)	73.4	-40.05	N/A	6.05	Axle Load	-25.69	Axle Load
93.29(B)	78.4	-48.55	N/A	3.62	Axle Load	-29.41	Axle Load
95.20(B)	80.0	-51.28	N/A	2.87	Axle Load	-30.50	Axle Load

95.50(B)	80.3	-51.71	N/A	2.76	Axle Load	-30.67	Axle Load
99.22(L)	83.4	-57.05	N/A	1.39	Axle Load	-32.78	Axle Load
99.22(R)	83.4	-57.13	N/A	1.39	Axle Load	-32.78	Axle Load
105.14(B)	88.4	-65.63	N/A	0.00	Axle Load	-36.32	Axle Load
106.00(B)	89.1	-66.86	N/A	0.00	Axle Load	-36.79	Axle Load
107.10(B)	90.0	-68.52	N/A	0.00	Axle Load	-37.39	Axle Load
111.07(L)	93.3	-74.51	N/A	0.00	Axle Load	-39.51	Axle Load
111.07(R)	93.3	-74.59	N/A	0.00	Axle Load	-39.51	Axle Load
115.03(B)	96.7	-80.57	N/A	0.00	Axle Load	-42.03	Axle Load
119.00(L)	100.0	-86.55	N/A	0.00	Axle Load	-44.02	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.27	N/A	45.84	Axle Load	0.00	Axle Load
2.21(B)	2.3	84.93	N/A	42.39	Axle Load	0.00	Axle Load
4.42(L)	4.6	81.60	N/A	41.51	Axle Load	0.00	Axle Load
4.42(R)	4.6	81.52	N/A	41.51	Axle Load	0.00	Axle Load
9.52(B)	10.0	73.82	N/A	39.35	Axle Load	0.00	Axle Load
10.80(B)	11.3	71.90	N/A	38.79	Axle Load	0.00	Axle Load
13.00(B)	13.6	68.57	N/A	37.80	Axle Load	0.00	Axle Load
17.17(L)	18.0	62.59	N/A	35.82	Axle Load	-0.43	Axle Load
17.17(R)	18.0	62.51	N/A	35.82	Axle Load	-0.43	Axle Load
19.05(B)	20.0	59.81	N/A	34.90	Axle Load	-0.90	Axle Load
23.50(B)	24.7	53.43	N/A	32.64	Axle Load	-2.10	Axle Load
23.55(B)	24.7	53.37	N/A	32.61	Axle Load	-2.11	Axle Load
28.58(B)	30.0	46.15	N/A	29.93	Axle Load	-3.64	Axle Load
29.92(L)	31.4	44.22	N/A	29.19	Axle Load	-4.07	Axle Load
29.92(R)	31.4	44.14	N/A	29.19	Axle Load	-4.07	Axle Load
36.29(B)	38.1	34.99	N/A	25.58	Axle Load	-6.32	Axle Load
38.10(B)	40.0	32.40	N/A	24.53	Axle Load	-7.00	Axle Load
42.67(L)	44.8	25.85	N/A	21.80	Axle Load	-8.81	Axle Load
42.67(R)	44.8	25.77	N/A	21.80	Axle Load	-8.81	Axle Load
47.63(B)	50.0	18.66	N/A	18.83	Axle Load	-10.97	Axle Load
49.04(B)	51.5	16.62	N/A	17.95	Axle Load	-11.61	Axle Load
55.42(L)	58.2	7.48	N/A	14.15	Axle Load	-14.77	Axle Load
55.42(R)	58.2	7.40	N/A	14.15	Axle Load	-14.77	Axle Load
57.15(B)	60.0	4.92	N/A	13.19	Axle Load	-15.64	Axle Load
61.79(B)	64.9	-1.75	N/A	10.59	Axle Load	-18.06	Axle Load
66.68(B)	70.0	-8.75	N/A	8.13	Axle Load	-20.97	Axle Load
68.17(L)	71.6	-10.89	N/A	7.48	Axle Load	-21.82	Axle Load
68.17(R)	71.6	-10.97	N/A	7.48	Axle Load	-21.82	Axle Load

74.54(B)	78.3	-20.12	N/A	5.57	Axle Load	-25.86	Axle Load
76.20(B)	80.0	-22.49	N/A	5.08	Axle Load	-26.87	Axle Load
80.92(L)	85.0	-29.27	N/A	4.30	Axle Load	-29.80	Axle Load
80.92(R)	85.0	-29.35	N/A	4.30	Axle Load	-29.80	Axle Load
85.72(B)	90.0	-36.24	N/A	4.35	Axle Load	-33.26	Axle Load
87.29(B)	91.6	-38.49	N/A	4.35	Axle Load	-34.28	Axle Load
93.67(L)	98.3	-47.64	N/A	4.40	Axle Load	-38.99	Axle Load
93.67(R)	98.3	-47.72	N/A	4.40	Axle Load	-38.99	Axle Load
94.46(B)	99.2	-48.85	N/A	4.40	Axle Load	-39.52	Axle Load
95.25(L)	100.0	-49.98	N/A	4.40	Axle Load	-40.06	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Report by Action: ☒ Shear ☒ Flexure ☒ Critical

Detailed Rating Results

Wizard Alternative

EV2

Axle Load

Impact: As Requested

Lane: As Requested

Span 1

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	36.52	4.148	119.25
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2846.25
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2846.25
9.52	10.0	Shear	kip	395.43	36.19	31.47	8.559	246.08
9.52	10.0	Flexure	ksi	36.00	4.54	2.81	11.193	321.81
9.52	10.0	Flexure	ksi	34.20	3.63	2.16	10.876	312.69
19.05	20.0	Shear	kip	395.43	22.52	26.54	10.646	306.09

19.05	20.0	Flexure	ksi	36.00	7.64	4.74	5.985	172.06
19.05	20.0	Flexure	ksi	34.20	6.11	3.65	5.927	170.41
28.58	30.0	Shear	kip	395.43	8.78	21.79	13.572	390.19
28.58	30.0	Flexure	ksi	36.00	9.28	5.84	4.577	131.58
28.58	30.0	Flexure	ksi	34.20	7.43	4.49	4.586	131.86
38.10	40.0	Shear	kip	395.43	-4.96	17.29	17.870	513.75
38.10	40.0	Flexure	ksi	36.00	9.49	6.18	4.294	123.44
38.10	40.0	Flexure	ksi	34.20	7.59	4.75	4.309	123.89
47.63	50.0	Shear	kip	395.43	-18.63	-21.26	13.467	387.18
47.63	50.0	Flexure	ksi	36.00	8.24	6.00	4.630	133.10
47.63	50.0	Flexure	ksi	34.20	6.59	4.61	4.604	132.37
57.15	60.0	Shear	kip	395.43	-32.37	-25.80	10.585	304.32
57.15	60.0	Flexure	ksi	36.00	5.55	5.37	5.676	163.18
57.15	60.0	Flexure	ksi	34.20	4.44	4.13	5.547	159.48
66.68	70.0	Shear	kip	395.43	-46.12	-30.13	8.625	247.96
66.68	70.0	Flexure	ksi	36.00	1.41	4.20	8.232	236.67
66.68	70.0	Flexure	ksi	34.20	1.13	3.23	7.871	226.28
71.75	75.3	Shear	kip	424.98	-53.40	-32.49	8.482	243.87
71.75	75.3	Flexure	ksi	36.00	-1.39	3.41	10.974	315.51
71.75	75.3	Flexure	ksi	34.20	-1.11	2.62	10.364	297.97
76.20	80.0	Shear	kip	414.51	-59.86	-34.11	7.660	220.22
76.20	80.0	Flexure	ksi	-34.01	-8.61	-3.18	7.996	229.88
76.20	80.0	Flexure	ksi	-34.20	-3.34	-1.98	11.979	344.39
82.25	86.4	Shear	kip	414.51	-68.54	-36.40	6.950	199.80
82.25	86.4	Flexure	ksi	-34.01	-8.61	-3.18	7.996	229.88
82.25	86.4	Flexure	ksi	-34.20	-6.77	-2.14	9.864	283.59
85.72	90.0	Shear	kip	518.17	-73.79	-37.47	8.744	251.39
85.72	90.0	Flexure	ksi	-34.01	-8.61	-3.18	7.996	229.88
85.72	90.0	Flexure	ksi	-34.20	-6.26	-1.60	13.403	385.33
95.25	100.0	Shear	kip	390.83	86.57	39.99	5.436	156.29
95.25	100.0	Flexure	ksi	-35.94	-14.01	-3.05	7.179	206.40
95.25	100.0	Flexure	ksi	-34.20	-11.03	-2.07	8.618	247.76

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	33.79	9.845	283.04
11.90	10.0	Flexure	ksi	-34.39	-11.12	-2.88	8.080	232.31
11.90	10.0	Flexure	ksi	-34.20	-5.33	-1.75	12.686	364.72
13.00	10.9	Shear	kip	414.51	66.88	33.38	7.626	219.24

13.00	10.9	Flexure	ksi	-34.39	-11.12	-2.88	8.080	232.31
13.00	10.9	Flexure	ksi	-34.20	-6.96	-2.39	8.754	251.68
23.50	19.7	Shear	kip	424.98	51.74	29.12	9.518	273.63
23.50	19.7	Flexure	ksi	-34.71	-6.48	-3.38	8.363	240.43
23.50	19.7	Flexure	ksi	34.20	-1.47	2.59	10.584	304.28
23.80	20.0	Shear	kip	404.69	51.31	28.99	9.036	259.78
23.80	20.0	Flexure	ksi	-35.24	-6.48	-3.38	8.521	244.98
23.80	20.0	Flexure	ksi	34.20	-1.33	2.62	10.414	299.40
35.70	30.0	Shear	kip	395.43	34.15	23.72	11.441	328.94
35.70	30.0	Flexure	ksi	36.00	3.97	4.71	6.800	195.50
35.70	30.0	Flexure	ksi	34.20	3.17	3.62	6.586	189.36
47.60	40.0	Shear	kip	395.43	17.00	18.29	15.734	452.35
47.60	40.0	Flexure	ksi	36.00	7.33	5.21	5.505	158.26
47.60	40.0	Flexure	ksi	34.20	5.87	4.01	5.441	156.42
59.50	50.0	Shear	kip	395.43	-0.15	-21.37	14.229	409.08
59.50	50.0	Flexure	ksi	36.00	8.44	5.04	5.464	157.09
59.50	50.0	Flexure	ksi	34.20	6.75	3.88	5.442	156.45
71.40	60.0	Shear	kip	395.43	-17.30	-26.90	10.689	307.32
71.40	60.0	Flexure	ksi	36.00	7.29	4.15	6.917	198.85
71.40	60.0	Flexure	ksi	34.20	5.83	3.19	6.834	196.49
83.30	70.0	Shear	kip	395.43	-34.45	-32.13	8.437	242.56
83.30	70.0	Flexure	ksi	36.00	3.88	2.63	12.200	350.75
83.30	70.0	Flexure	ksi	34.20	3.11	2.03	11.811	339.57
95.20	80.0	Shear	kip	404.69	-51.61	-36.61	7.148	205.51
95.20	80.0	Flexure	ksi	-35.24	-4.27	-3.31	9.349	268.79
95.20	80.0	Flexure	ksi	-34.20	-1.43	-1.61	15.705	451.53
95.50	80.3	Shear	kip	424.98	-52.04	-36.70	7.545	216.91
95.50	80.3	Flexure	ksi	-34.71	-4.27	-3.31	9.188	264.15
95.50	80.3	Flexure	ksi	-34.20	-1.57	-1.65	15.216	437.46
104.00	87.4	Shear	kip	414.51	-64.31	-39.14	6.566	188.78
104.00	87.4	Flexure	ksi	-34.39	-9.13	-4.67	5.405	155.39
104.00	87.4	Flexure	ksi	-34.20	-5.93	-3.05	7.129	204.94
107.10	90.0	Shear	kip	518.17	-68.99	-39.76	8.356	240.23
107.10	90.0	Flexure	ksi	-34.39	-9.13	-4.67	5.405	155.39
107.10	90.0	Flexure	ksi	-34.20	-5.42	-2.61	8.481	243.82
119.00	100.0	Shear	kip	390.83	87.04	41.75	5.197	149.41
119.00	100.0	Flexure	ksi	-35.94	-14.18	-6.42	3.392	97.51
119.00	100.0	Flexure	ksi	-34.20	-11.16	-4.34	4.079	117.28

Span 3

Location	Legal Rating	Legal Load Rating

(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	69.01	37.95	8.753	251.66
11.90	10.0	Flexure	ksi	-35.94	-11.27	-5.42	4.549	130.79
11.90	10.0	Flexure	ksi	-34.20	-5.42	-2.61	8.477	243.72
15.00	12.6	Shear	kip	414.51	64.33	37.36	6.879	197.78
15.00	12.6	Flexure	ksi	-34.71	-11.27	-5.42	4.322	124.26
15.00	12.6	Flexure	ksi	-34.20	-5.93	-3.05	7.124	204.82
23.50	19.7	Shear	kip	424.98	52.06	35.29	7.845	225.54
23.50	19.7	Flexure	ksi	-34.71	-6.64	-4.20	6.686	192.22
23.50	19.7	Flexure	ksi	-34.20	-1.57	-1.65	15.207	437.21
23.80	20.0	Shear	kip	404.69	51.63	35.21	7.432	213.68
23.80	20.0	Flexure	ksi	-35.24	-6.64	-4.20	6.813	195.87
23.80	20.0	Flexure	ksi	-34.20	-1.43	-1.61	15.703	451.45
35.70	30.0	Shear	kip	395.43	34.48	31.29	8.660	248.99
35.70	30.0	Flexure	ksi	36.00	3.88	2.63	12.209	351.02
35.70	30.0	Flexure	ksi	34.20	3.11	2.02	11.820	339.83
47.60	40.0	Shear	kip	395.43	17.32	26.55	10.830	311.37
47.60	40.0	Flexure	ksi	36.00	7.29	4.15	6.920	198.94
47.60	40.0	Flexure	ksi	34.20	5.83	3.19	6.837	196.57
59.50	50.0	Shear	kip	395.43	0.17	21.37	14.228	409.06
59.50	50.0	Flexure	ksi	36.00	8.44	5.04	5.466	157.14
59.50	50.0	Flexure	ksi	34.20	6.75	3.88	5.444	156.51
71.40	60.0	Shear	kip	395.43	-16.98	-18.54	15.527	446.39
71.40	60.0	Flexure	ksi	36.00	7.33	5.21	5.503	158.21
71.40	60.0	Flexure	ksi	34.20	5.87	4.01	5.439	156.38
83.30	70.0	Shear	kip	395.43	-34.13	-24.35	11.145	320.43
83.30	70.0	Flexure	ksi	36.00	3.97	4.71	6.798	195.45
83.30	70.0	Flexure	ksi	34.20	3.17	3.62	6.585	189.31
95.20	80.0	Shear	kip	404.69	-51.28	-30.15	8.690	249.83
95.20	80.0	Flexure	ksi	-35.24	-4.13	-3.18	9.787	281.39
95.20	80.0	Flexure	ksi	34.20	-1.33	2.63	10.410	299.29
95.50	80.3	Shear	kip	424.98	-51.71	-30.28	9.153	263.15
95.50	80.3	Flexure	ksi	-34.71	-4.13	-3.18	9.619	276.55
95.50	80.3	Flexure	ksi	34.20	-1.47	2.59	10.583	304.26
106.00	89.1	Shear	kip	414.51	-66.86	-34.97	7.280	209.31
106.00	89.1	Flexure	ksi	-34.39	-8.85	-3.55	7.191	206.73
106.00	89.1	Flexure	ksi	-34.20	-6.96	-2.39	8.762	251.91
107.10	90.0	Shear	kip	518.17	-68.52	-35.40	9.397	270.17
107.10	90.0	Flexure	ksi	-34.39	-8.85	-3.55	7.191	206.73
107.10	90.0	Flexure	ksi	-34.20	-5.33	-1.75	12.698	365.05
119.00	100.0	Shear	kip	390.83	88.27	40.64	5.309	152.64
119.00	100.0	Flexure	ksi	-35.94	-14.01	-3.05	7.186	206.59

119.00	100.0	Flexure	ksi	-34.20	-11.03	-2.07	8.626	247.99
Span 4								
							Legal	Legal
							Rating	Load
Location								Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	35.87	9.134	262.60
9.52	10.0	Flexure	ksi	-34.08	-11.06	-2.51	9.180	263.92
9.52	10.0	Flexure	ksi	-34.20	-6.26	-1.60	13.411	385.56
13.00	13.6	Shear	kip	414.51	68.57	34.84	7.260	208.72
13.00	13.6	Flexure	ksi	-34.08	-11.06	-2.51	9.180	263.92
13.00	13.6	Flexure	ksi	-34.20	-6.77	-2.14	9.870	283.76
19.05	20.0	Shear	kip	414.51	59.81	32.88	7.949	228.54
19.05	20.0	Flexure	ksi	-34.71	-5.53	-3.01	9.677	278.22
19.05	20.0	Flexure	ksi	-34.20	-3.33	-1.98	11.986	344.61
23.50	24.7	Shear	kip	424.98	53.43	31.32	8.798	252.95
23.50	24.7	Flexure	ksi	-34.71	-5.53	-3.01	9.677	278.22
23.50	24.7	Flexure	ksi	34.20	-1.11	2.62	10.363	297.94
28.58	30.0	Shear	kip	395.43	46.15	29.40	8.837	254.06
28.58	30.0	Flexure	ksi	36.00	1.41	4.20	8.238	236.85
28.58	30.0	Flexure	ksi	34.20	1.13	3.23	7.877	226.45
38.10	40.0	Shear	kip	395.43	32.40	25.48	10.717	308.11
38.10	40.0	Flexure	ksi	36.00	5.55	5.37	5.674	163.13
38.10	40.0	Flexure	ksi	34.20	4.44	4.13	5.545	159.43
47.63	50.0	Shear	kip	395.43	18.66	21.26	13.464	387.09
47.63	50.0	Flexure	ksi	36.00	8.24	5.99	4.631	133.13
47.63	50.0	Flexure	ksi	34.20	6.59	4.61	4.605	132.40
57.15	60.0	Shear	kip	395.43	4.92	-17.50	17.650	507.45
57.15	60.0	Flexure	ksi	36.00	9.49	6.17	4.294	123.46
57.15	60.0	Flexure	ksi	34.20	7.59	4.75	4.310	123.91
66.68	70.0	Shear	kip	395.43	-8.75	-22.33	13.243	380.75
66.68	70.0	Flexure	ksi	36.00	9.29	5.84	4.576	131.57
66.68	70.0	Flexure	ksi	34.20	7.43	4.49	4.586	131.85
76.20	80.0	Shear	kip	395.43	-22.49	-27.53	10.265	295.10
76.20	80.0	Flexure	ksi	36.00	7.64	4.74	5.985	172.07
76.20	80.0	Flexure	ksi	34.20	6.11	3.65	5.927	170.41
85.72	90.0	Shear	kip	395.43	-36.24	-33.04	8.152	234.37
85.72	90.0	Flexure	ksi	36.00	4.54	2.81	11.194	321.83
85.72	90.0	Flexure	ksi	34.20	3.63	2.16	10.877	312.71
95.25	100.0	Shear	kip	469.80	-49.98	-38.79	8.078	232.23
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2846.25

95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2846.25

Detailed Rating Results
Wizard Alternative
EV3
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	54.24	3.300	141.92
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	4257.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	4257.00
9.52	10.0	Shear	kip	395.43	36.19	46.70	6.817	293.14
9.52	10.0	Flexure	ksi	36.00	4.54	3.53	8.915	383.36
9.52	10.0	Flexure	ksi	34.20	3.63	3.21	7.330	315.19
19.05	20.0	Shear	kip	395.43	22.52	39.34	8.488	364.98
19.05	20.0	Flexure	ksi	36.00	7.64	5.94	4.771	205.17
19.05	20.0	Flexure	ksi	34.20	6.11	5.40	3.999	171.94
28.58	30.0	Shear	kip	395.43	8.78	32.25	10.836	465.95
28.58	30.0	Flexure	ksi	36.00	9.28	7.31	3.654	157.13
28.58	30.0	Flexure	ksi	34.20	7.43	6.65	3.099	133.24
38.10	40.0	Shear	kip	395.43	-4.96	25.55	14.292	614.54
38.10	40.0	Flexure	ksi	36.00	9.49	7.88	3.367	144.77
38.10	40.0	Flexure	ksi	34.20	7.59	7.16	2.859	122.95
47.63	50.0	Shear	kip	395.43	-18.63	-31.44	10.760	462.70
47.63	50.0	Flexure	ksi	36.00	8.24	7.66	3.623	155.81
47.63	50.0	Flexure	ksi	34.20	6.59	6.96	3.049	131.12
57.15	60.0	Shear	kip	395.43	-32.37	-38.25	8.436	362.77
57.15	60.0	Flexure	ksi	36.00	5.55	6.77	4.501	193.53
57.15	60.0	Flexure	ksi	34.20	4.44	6.15	3.722	160.04
66.68	70.0	Shear	kip	395.43	-46.12	-44.75	6.862	295.05
66.68	70.0	Flexure	ksi	36.00	1.41	5.25	6.590	283.36
66.68	70.0	Flexure	ksi	34.20	1.13	4.77	5.331	229.24
71.75	75.3	Shear	kip	424.98	-53.40	-48.29	6.745	290.02
71.75	75.3	Flexure	ksi	36.00	-1.39	4.25	8.799	378.34
71.75	75.3	Flexure	ksi	34.20	-1.11	3.86	7.031	302.34
76.20	80.0	Shear	kip	414.51	-59.86	-50.74	6.085	261.67

76.20	80.0	Flexure	ksi	-34.01	-8.61	-4.01	6.337	272.47
76.20	80.0	Flexure	ksi	-34.20	-3.34	-2.96	8.032	345.40
82.25	86.4	Shear	kip	414.51	-68.54	-54.17	5.519	237.31
82.25	86.4	Flexure	ksi	-34.01	-8.61	-4.01	6.337	272.47
82.25	86.4	Flexure	ksi	-34.20	-6.77	-3.19	6.614	284.42
85.72	90.0	Shear	kip	518.17	-73.79	-55.80	6.939	298.38
85.72	90.0	Flexure	ksi	-34.01	-8.61	-4.01	6.337	272.47
85.72	90.0	Flexure	ksi	-34.20	-6.26	-2.39	8.987	386.45
95.25	100.0	Shear	kip	390.83	86.57	59.54	4.315	185.54
95.25	100.0	Flexure	ksi	-35.94	-14.01	-3.86	5.680	244.23
95.25	100.0	Flexure	ksi	-34.20	-11.03	-3.09	5.769	248.07

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	50.25	7.824	336.42
11.90	10.0	Flexure	ksi	-34.39	-11.12	-3.64	6.393	274.89
11.90	10.0	Flexure	ksi	-34.20	-5.33	-2.62	8.492	365.17
13.00	10.9	Shear	kip	414.51	66.88	49.63	6.062	260.66
13.00	10.9	Flexure	ksi	-34.39	-11.12	-3.64	6.393	274.89
13.00	10.9	Flexure	ksi	-34.20	-6.96	-3.58	5.860	251.99
23.50	19.7	Shear	kip	424.98	51.74	43.24	7.575	325.73
23.50	19.7	Flexure	ksi	-34.71	-6.48	-4.27	6.616	284.50
23.50	19.7	Flexure	ksi	34.20	-1.47	3.83	7.158	307.78
23.80	20.0	Shear	kip	404.69	51.31	43.05	7.192	309.25
23.80	20.0	Flexure	ksi	-35.24	-6.48	-4.27	6.742	289.89
23.80	20.0	Flexure	ksi	34.20	-1.33	3.88	7.041	302.77
35.70	30.0	Shear	kip	395.43	34.15	35.15	9.123	392.27
35.70	30.0	Flexure	ksi	36.00	3.97	5.97	5.370	230.92
35.70	30.0	Flexure	ksi	34.20	3.17	5.42	4.401	189.25
47.60	40.0	Shear	kip	395.43	17.00	27.06	12.572	540.59
47.60	40.0	Flexure	ksi	36.00	7.33	6.68	4.293	184.59
47.60	40.0	Flexure	ksi	34.20	5.87	6.07	3.590	154.38
59.50	50.0	Shear	kip	395.43	-0.15	-31.63	11.359	488.43
59.50	50.0	Flexure	ksi	36.00	8.44	6.43	4.286	184.30
59.50	50.0	Flexure	ksi	34.20	6.75	5.84	3.612	155.32
71.40	60.0	Shear	kip	395.43	-17.30	-39.91	8.514	366.12
71.40	60.0	Flexure	ksi	36.00	7.29	5.25	5.468	235.11
71.40	60.0	Flexure	ksi	34.20	5.83	4.77	4.571	196.57
83.30	70.0	Shear	kip	395.43	-34.45	-47.75	6.708	288.46

83.30	70.0	Flexure	ksi	36.00	3.88	3.36	9.568	411.41
83.30	70.0	Flexure	ksi	34.20	3.11	3.05	7.838	337.03
95.20	80.0	Shear	kip	404.69	-51.61	-54.50	5.675	244.01
95.20	80.0	Flexure	ksi	-35.24	-4.27	-4.18	7.405	318.40
95.20	80.0	Flexure	ksi	-34.20	-1.43	-2.39	10.537	453.09
95.50	80.3	Shear	kip	424.98	-52.04	-54.63	5.989	257.54
95.50	80.3	Flexure	ksi	-34.71	-4.27	-4.18	7.277	312.90
95.50	80.3	Flexure	ksi	-34.20	-1.57	-2.46	10.207	438.91
104.00	87.4	Shear	kip	414.51	-64.31	-58.35	5.205	223.83
104.00	87.4	Flexure	ksi	-34.39	-9.13	-5.90	4.279	184.00
104.00	87.4	Flexure	ksi	-34.20	-5.93	-4.55	4.775	205.32
107.10	90.0	Shear	kip	518.17	-68.99	-59.30	6.622	284.76
107.10	90.0	Flexure	ksi	-34.39	-9.13	-5.90	4.279	184.00
107.10	90.0	Flexure	ksi	-34.20	-5.42	-3.89	5.686	244.51
119.00	100.0	Shear	kip	390.83	87.04	62.32	4.114	176.90
119.00	100.0	Flexure	ksi	-35.94	-14.18	-8.10	2.685	115.44
119.00	100.0	Flexure	ksi	-34.20	-11.16	-6.49	2.732	117.49

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	69.01	56.59	6.938	298.33
11.90	10.0	Flexure	ksi	-35.94	-11.27	-6.86	3.598	154.71
11.90	10.0	Flexure	ksi	-34.20	-5.42	-3.90	5.682	244.31
15.00	12.6	Shear	kip	414.51	64.33	55.68	5.454	234.54
15.00	12.6	Flexure	ksi	-34.71	-11.27	-6.86	3.418	146.98
15.00	12.6	Flexure	ksi	-34.20	-5.93	-4.55	4.776	205.36
23.50	19.7	Shear	kip	424.98	52.06	52.54	6.227	267.76
23.50	19.7	Flexure	ksi	-34.71	-6.64	-5.30	5.295	227.67
23.50	19.7	Flexure	ksi	-34.20	-1.57	-2.46	10.195	438.40
23.80	20.0	Shear	kip	404.69	51.63	52.42	5.900	253.68
23.80	20.0	Flexure	ksi	-35.24	-6.64	-5.30	5.395	232.01
23.80	20.0	Flexure	ksi	-34.20	-1.43	-2.39	10.529	452.75
35.70	30.0	Shear	kip	395.43	34.48	46.52	6.885	296.06
35.70	30.0	Flexure	ksi	36.00	3.88	3.37	9.544	410.41
35.70	30.0	Flexure	ksi	34.20	3.11	3.06	7.819	336.20
47.60	40.0	Shear	kip	395.43	17.32	39.39	8.626	370.90
47.60	40.0	Flexure	ksi	36.00	7.29	5.26	5.462	234.86
47.60	40.0	Flexure	ksi	34.20	5.83	4.78	4.567	196.36
59.50	50.0	Shear	kip	395.43	0.17	31.64	11.356	488.32

59.50	50.0	Flexure	ksi	36.00	8.44	6.43	4.284	184.19
59.50	50.0	Flexure	ksi	34.20	6.75	5.85	3.610	155.23
71.40	60.0	Shear	kip	395.43	-16.98	-27.41	12.409	533.58
71.40	60.0	Flexure	ksi	36.00	7.33	6.67	4.295	184.69
71.40	60.0	Flexure	ksi	34.20	5.87	6.07	3.592	154.46
83.30	70.0	Shear	kip	395.43	-34.13	-36.08	8.888	382.18
83.30	70.0	Flexure	ksi	36.00	3.97	5.96	5.374	231.09
83.30	70.0	Flexure	ksi	34.20	3.17	5.42	4.404	189.39
95.20	80.0	Shear	kip	404.69	-51.28	-44.76	6.917	297.44
95.20	80.0	Flexure	ksi	-35.24	-4.13	-4.01	7.753	333.38
95.20	80.0	Flexure	ksi	34.20	-1.33	3.88	7.052	303.22
95.50	80.3	Shear	kip	424.98	-51.71	-44.96	7.286	313.29
95.50	80.3	Flexure	ksi	-34.71	-4.13	-4.01	7.620	327.65
95.50	80.3	Flexure	ksi	34.20	-1.47	3.83	7.168	308.22
106.00	89.1	Shear	kip	414.51	-66.86	-51.99	5.787	248.83
106.00	89.1	Flexure	ksi	-34.39	-8.85	-4.48	5.696	244.93
106.00	89.1	Flexure	ksi	-34.20	-6.96	-3.57	5.873	252.54
107.10	90.0	Shear	kip	518.17	-68.52	-52.64	7.469	321.16
107.10	90.0	Flexure	ksi	-34.39	-8.85	-4.48	5.696	244.93
107.10	90.0	Flexure	ksi	-34.20	-5.33	-2.61	8.511	365.96
119.00	100.0	Shear	kip	390.83	88.27	60.58	4.209	181.00
119.00	100.0	Flexure	ksi	-35.94	-14.01	-3.85	5.692	244.76
119.00	100.0	Flexure	ksi	-34.20	-11.03	-3.08	5.782	248.61

Span 4

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	53.41	7.249	311.69
9.52	10.0	Flexure	ksi	-34.08	-11.06	-3.17	7.270	312.62
9.52	10.0	Flexure	ksi	-34.20	-6.26	-2.39	8.987	386.44
13.00	13.6	Shear	kip	414.51	68.57	51.86	5.764	247.86
13.00	13.6	Flexure	ksi	-34.08	-11.06	-3.17	7.270	312.62
13.00	13.6	Flexure	ksi	-34.20	-6.77	-3.19	6.614	284.41
19.05	20.0	Shear	kip	414.51	59.81	48.92	6.314	271.50
19.05	20.0	Flexure	ksi	-34.71	-5.53	-3.81	7.664	329.55
19.05	20.0	Flexure	ksi	-34.20	-3.33	-2.96	8.032	345.39
23.50	24.7	Shear	kip	424.98	53.43	46.55	6.995	300.80
23.50	24.7	Flexure	ksi	-34.71	-5.53	-3.81	7.664	329.55
23.50	24.7	Flexure	ksi	34.20	-1.11	3.86	7.034	302.46
28.58	30.0	Shear	kip	395.43	46.15	43.66	7.032	302.38

28.58	30.0	Flexure	ksi	36.00	1.41	5.25	6.590	283.39
28.58	30.0	Flexure	ksi	34.20	1.13	4.77	5.332	229.27
38.10	40.0	Shear	kip	395.43	32.40	37.78	8.540	367.21
38.10	40.0	Flexure	ksi	36.00	5.55	6.77	4.497	193.37
38.10	40.0	Flexure	ksi	34.20	4.44	6.16	3.719	159.91
47.63	50.0	Shear	kip	395.43	18.66	31.44	10.759	462.65
47.63	50.0	Flexure	ksi	36.00	8.24	7.66	3.625	155.89
47.63	50.0	Flexure	ksi	34.20	6.59	6.96	3.051	131.18
57.15	60.0	Shear	kip	395.43	4.92	-25.87	14.111	606.79
57.15	60.0	Flexure	ksi	36.00	9.49	7.87	3.367	144.79
57.15	60.0	Flexure	ksi	34.20	7.59	7.16	2.860	122.96
66.68	70.0	Shear	kip	395.43	-8.75	-33.05	10.575	454.73
66.68	70.0	Flexure	ksi	36.00	9.29	7.31	3.654	157.14
66.68	70.0	Flexure	ksi	34.20	7.43	6.65	3.099	133.25
76.20	80.0	Shear	kip	395.43	-22.49	-40.81	8.183	351.87
76.20	80.0	Flexure	ksi	36.00	7.64	5.94	4.771	205.16
76.20	80.0	Flexure	ksi	34.20	6.11	5.40	3.998	171.93
85.72	90.0	Shear	kip	395.43	-36.24	-49.02	6.493	279.20
85.72	90.0	Flexure	ksi	36.00	4.54	3.53	8.916	383.38
85.72	90.0	Flexure	ksi	34.20	3.63	3.21	7.330	315.20
95.25	100.0	Shear	kip	469.80	-49.98	-57.61	6.427	276.37
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	4257.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	4257.00

Detailed Rating Results
Wizard Alternative
HL-93 (US)
Truck + Lane
Impact: As Requested
Lane: As Requested

Span 1

							Inventory Rating	Inventory Load Rating	Operating Rating	Operating Load Rating
Location										
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	57.36	1.962	70.62	2.543	91.54
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00	99.000	3564.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00	99.000	3564.00
9.52	10.0	Shear	kip	395.43	36.19	48.12	4.159	149.71	5.391	194.07
9.52	10.0	Flexure	ksi	36.00	4.54	5.95	5.286	190.31	6.853	246.70

9.52	10.0	Flexure	ksi	34.20	3.63	3.40	6.915	248.93	8.989	323.60
19.05	20.0	Shear	kip	395.43	22.52	39.45	5.320	191.50	6.896	248.24
19.05	20.0	Flexure	ksi	36.00	7.64	10.05	2.821	101.56	3.657	131.65
19.05	20.0	Flexure	ksi	34.20	6.11	5.74	3.761	135.40	4.890	176.02
28.58	30.0	Shear	kip	395.43	8.78	31.44	6.988	251.55	9.058	326.09
28.58	30.0	Flexure	ksi	36.00	9.28	12.44	2.148	77.34	2.785	100.26
28.58	30.0	Flexure	ksi	34.20	7.43	7.11	2.898	104.34	3.768	135.64
38.10	40.0	Shear	kip	395.43	-4.96	-	9.238	332.57	11.975	431.11
					24.08					
38.10	40.0	Flexure	ksi	36.00	9.49	13.42	1.976	71.15	2.562	92.23
38.10	40.0	Flexure	ksi	34.20	7.59	7.67	2.670	96.13	3.471	124.97
47.63	50.0	Shear	kip	395.43	-	-	6.697	241.08	8.681	312.51
					18.63	31.76				
47.63	50.0	Flexure	ksi	36.00	8.24	13.06	2.126	76.53	2.756	99.20
47.63	50.0	Flexure	ksi	34.20	6.59	7.46	2.846	102.46	3.700	133.19
57.15	60.0	Shear	kip	395.43	-	-	5.108	183.87	6.621	238.35
					32.37	39.71				
57.15	60.0	Flexure	ksi	36.00	5.55	11.50	2.648	95.33	3.432	123.57
57.15	60.0	Flexure	ksi	34.20	4.44	6.57	3.484	125.41	4.529	163.04
66.68	70.0	Shear	kip	395.43	-	-	4.035	145.26	5.231	188.30
					46.12	47.84				
66.68	70.0	Flexure	ksi	36.00	1.41	8.69	3.982	143.34	5.161	185.81
66.68	70.0	Flexure	ksi	34.20	1.13	4.96	5.125	184.49	6.662	239.84
71.75	75.3	Shear	kip	424.98	-	-	3.903	140.52	5.060	182.16
					53.40	52.44				
71.75	75.3	Flexure	ksi	-34.71	-2.55	-6.87	4.682	168.56	6.069	218.50
71.75	75.3	Flexure	ksi	34.20	-1.11	3.86	7.035	253.28	9.146	329.26
76.20	80.0	Shear	kip	414.51	-	-	3.473	125.03	4.502	162.08
					59.86	55.89				
76.20	80.0	Flexure	ksi	-34.01	-8.61	-8.19	3.103	111.71	4.022	144.80
76.20	80.0	Flexure	ksi	-34.20	-3.34	-3.57	6.644	239.19	8.637	310.95
82.25	86.4	Shear	kip	414.51	-	-	3.087	111.12	4.001	144.05
					68.54	60.87				
82.25	86.4	Flexure	ksi	-34.01	-8.61	-8.19	3.103	111.71	4.022	144.80
82.25	86.4	Flexure	ksi	-34.20	-6.77	-4.10	5.153	185.50	6.699	241.16
85.72	90.0	Shear	kip	518.17	-	-	3.837	138.12	4.974	179.05
					73.79	63.44				
85.72	90.0	Flexure	ksi	-34.01	-8.61	-8.19	3.103	111.71	4.022	144.80
85.72	90.0	Flexure	ksi	-34.20	-6.26	-3.24	6.632	238.75	8.622	310.38
95.25	100.0	Shear	kip	390.83	86.57	69.56	2.322	83.57	3.009	108.34
95.25	100.0	Flexure	ksi	-35.94	-	-9.24	2.374	85.47	3.078	110.79
					14.01					
95.25	100.0	Flexure	ksi	-34.20	-	-4.65	3.836	138.11	4.987	179.54
					11.03					

Span 2

Location							Inventory	Inventory	Operating	Operating
							Rating	Load Rating	Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	56.75	4.355	156.77	5.645	203.23
11.90	10.0	Flexure	ksi	-34.39	-	-8.12	2.866	103.17	3.715	133.73
11.90	10.0	Flexure	ksi	-34.20	-5.33	-3.31	6.714	241.70	8.728	314.20
13.00	10.9	Shear	kip	414.51	66.88	55.88	3.384	121.82	4.386	157.91
13.00	10.9	Flexure	ksi	-34.39	-	-8.12	2.866	103.17	3.715	133.73
13.00	10.9	Flexure	ksi	-34.20	-6.96	-4.47	4.690	168.83	6.097	219.48
23.50	19.7	Shear	kip	424.98	51.74	47.45	4.339	156.21	5.625	202.50
23.50	19.7	Flexure	ksi	-34.71	-6.48	-8.23	3.429	123.43	4.445	160.00
23.50	19.7	Flexure	ksi	-34.20	-1.47	-3.54	7.105	255.79	9.237	332.53
23.80	20.0	Shear	kip	404.69	51.31	47.21	4.123	148.41	5.344	192.38
23.80	20.0	Flexure	ksi	-35.24	-6.48	-8.23	3.494	125.77	4.529	163.03
23.80	20.0	Flexure	ksi	34.20	-1.33	3.84	7.117	256.20	9.252	333.06
35.70	30.0	Shear	kip	395.43	34.15	37.65	5.353	192.72	6.939	249.82
35.70	30.0	Flexure	ksi	36.00	3.97	9.99	3.206	115.41	4.156	149.61
35.70	30.0	Flexure	ksi	34.20	3.17	5.71	4.180	150.48	5.434	195.62
47.60	40.0	Shear	kip	395.43	17.00	28.56	7.488	269.55	9.706	349.42
47.60	40.0	Flexure	ksi	36.00	7.33	11.35	2.526	90.93	3.274	117.87
47.60	40.0	Flexure	ksi	34.20	5.87	6.49	3.361	120.98	4.369	157.28
59.50	50.0	Shear	kip	395.43	-0.15	-	7.389	265.99	9.578	344.80
59.50	50.0	Flexure	ksi	36.00	8.44	10.93	2.520	90.72	3.267	117.61
59.50	50.0	Flexure	ksi	34.20	6.75	6.25	3.379	121.64	4.392	158.13
71.40	60.0	Shear	kip	395.43	-	-	5.303	190.90	6.874	247.46
71.40	60.0	Flexure	ksi	36.00	7.29	8.70	3.298	118.75	4.276	153.93
71.40	60.0	Flexure	ksi	34.20	5.83	4.97	4.387	157.95	5.704	205.33
83.30	70.0	Shear	kip	395.43	-	-	4.003	144.12	5.190	186.82
83.30	70.0	Flexure	ksi	36.00	3.88	5.20	6.175	222.31	8.005	288.17
83.30	70.0	Flexure	ksi	34.20	3.11	2.97	8.048	289.72	10.462	376.64
95.20	80.0	Shear	kip	404.69	-	-	3.241	116.66	4.201	151.23
95.20	80.0	Flexure	ksi	-35.24	-4.27	-7.70	4.023	144.82	5.215	187.73
95.20	80.0	Flexure	ksi	-34.20	-1.43	-2.71	9.305	334.98	12.096	435.47

95.50	80.3	Shear	kip	424.98	-	-	3.416	122.99	4.429	159.43
					52.04	60.20				
95.50	80.3	Flexure	ksi	-34.71	-4.27	-7.70	3.953	142.32	5.125	184.49
95.50	80.3	Flexure	ksi	-34.20	-1.57	-2.79	8.998	323.95	11.698	421.13
104.00	87.4	Shear	kip	414.51	-	-	2.873	103.43	3.724	134.07
					64.31	66.46				
104.00	87.4	Flexure	ksi	-34.39	-9.13	-	2.208	79.48	2.862	103.04
						11.44				
104.00	87.4	Flexure	ksi	-34.20	-5.93	-5.41	4.019	144.67	5.224	188.08
107.10	90.0	Shear	kip	518.17	-	-	3.608	129.87	4.676	168.35
					68.99	68.42				
107.10	90.0	Flexure	ksi	-34.39	-9.13	-	2.208	79.48	2.862	103.04
						11.44				
107.10	90.0	Flexure	ksi	-34.20	-5.42	-4.68	4.729	170.24	6.148	221.32
119.00	100.0	Shear	kip	390.83	87.04	75.73	2.128	76.61	2.759	99.31
119.00	100.0	Flexure	ksi	-35.94	-	-	1.352	48.67	1.752	63.09
					14.18	16.10				
119.00	100.0	Flexure	ksi	-34.20	-	-8.10	2.189	78.80	2.846	102.44
					11.16					

Span 3

							Inventory	Inventory	Operating	Operating
							Rating	Load	Rating	Load
								Rating		Rating
Location										
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	69.01	65.29	3.780	136.08	4.900	176.39
11.90	10.0	Flexure	ksi	-35.94	-	-	1.835	66.06	2.379	85.64
					11.27	13.44				
11.90	10.0	Flexure	ksi	-34.20	-5.42	-4.67	4.740	170.64	6.162	221.83
15.00	12.6	Shear	kip	414.51	64.33	63.44	3.009	108.34	3.901	140.44
15.00	12.6	Flexure	ksi	-34.71	-	-	1.743	62.76	2.260	81.36
					11.27	13.44				
15.00	12.6	Flexure	ksi	-34.20	-5.93	-5.41	4.020	144.73	5.226	188.15
23.50	19.7	Shear	kip	424.98	52.06	57.89	3.553	127.90	4.606	165.80
23.50	19.7	Flexure	ksi	-34.71	-6.64	-9.95	2.820	101.53	3.656	131.62
23.50	19.7	Flexure	ksi	-34.20	-1.57	-2.78	9.042	325.53	11.755	423.19
23.80	20.0	Shear	kip	404.69	51.63	57.68	3.370	121.32	4.368	157.27
23.80	20.0	Flexure	ksi	-35.24	-6.64	-9.95	2.874	103.47	3.726	134.12
23.80	20.0	Flexure	ksi	-34.20	-1.43	-2.70	9.353	336.70	12.159	437.71
35.70	30.0	Shear	kip	395.43	34.48	48.99	4.110	147.95	5.328	191.79
35.70	30.0	Flexure	ksi	36.00	3.88	5.21	6.170	222.10	7.998	287.91
35.70	30.0	Flexure	ksi	34.20	3.11	2.97	8.041	289.46	10.453	376.30
47.60	40.0	Shear	kip	395.43	17.32	39.75	5.373	193.43	6.965	250.75

47.60	40.0	Flexure	ksi	36.00	7.29	8.71	3.297	118.71	4.274	153.88
47.60	40.0	Flexure	ksi	34.20	5.83	4.97	4.386	157.90	5.702	205.27
59.50	50.0	Shear	kip	395.43	0.17	30.57	7.389	265.99	9.578	344.80
59.50	50.0	Flexure	ksi	36.00	8.44	10.94	2.520	90.71	3.266	117.59
59.50	50.0	Flexure	ksi	34.20	6.75	6.25	3.378	121.62	4.392	158.10
71.40	60.0	Shear	kip	395.43	-	-	7.389	266.01	9.579	344.83
					16.98	28.94				
71.40	60.0	Flexure	ksi	36.00	7.33	11.35	2.526	90.94	3.275	117.89
71.40	60.0	Flexure	ksi	34.20	5.87	6.48	3.361	121.00	4.370	157.30
83.30	70.0	Shear	kip	395.43	-	-	5.214	187.72	6.760	243.34
					34.13	38.66				
83.30	70.0	Flexure	ksi	36.00	3.97	9.99	3.207	115.44	4.157	149.65
83.30	70.0	Flexure	ksi	34.20	3.17	5.71	4.181	150.52	5.435	195.67
95.20	80.0	Shear	kip	404.69	-	-	3.964	142.71	5.139	185.00
					51.28	49.09				
95.20	80.0	Flexure	ksi	-35.24	-4.13	-7.61	4.090	147.25	5.302	190.88
95.20	80.0	Flexure	ksi	34.20	-1.33	3.84	7.120	256.33	9.256	333.23
95.50	80.3	Shear	kip	424.98	-	-	4.173	150.21	5.409	194.72
					51.71	49.35				
95.50	80.3	Flexure	ksi	-34.71	-4.13	-7.61	4.020	144.72	5.211	187.61
95.50	80.3	Flexure	ksi	-34.20	-1.47	-3.54	7.108	255.90	9.241	332.67
106.00	89.1	Shear	kip	414.51	-	-	3.230	116.28	4.187	150.73
					66.86	58.55				
106.00	89.1	Flexure	ksi	-34.39	-8.85	-8.93	2.860	102.96	3.708	133.47
106.00	89.1	Flexure	ksi	-34.20	-6.96	-4.47	4.691	168.89	6.099	219.56
107.10	90.0	Shear	kip	518.17	-	-	4.156	149.63	5.388	193.96
					68.52	59.46				
107.10	90.0	Flexure	ksi	-34.39	-8.85	-8.93	2.860	102.96	3.708	133.47
107.10	90.0	Flexure	ksi	-34.20	-5.33	-3.31	6.716	241.78	8.731	314.32
119.00	100.0	Shear	kip	390.83	88.27	71.13	2.253	81.12	2.921	105.15
119.00	100.0	Flexure	ksi	-35.94	-	-9.23	2.375	85.49	3.078	110.82
					14.01					
119.00	100.0	Flexure	ksi	-34.20	-	-4.64	3.837	138.15	4.989	179.59
					11.03					

Span 4

							Inventory	Inventory	Operating	Operating
Location							Rating	Load Rating	Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	60.73	4.008	144.28	5.195	187.03
9.52	10.0	Flexure	ksi	-34.08	-	-7.48	3.079	110.84	3.991	143.68
					11.06					

9.52	10.0	Flexure	ksi	-34.20	-6.26	-3.24	6.637	238.94	8.628	310.62
13.00	13.6	Shear	kip	414.51	68.57	58.27	3.224	116.08	4.180	150.47
13.00	13.6	Flexure	ksi	-34.08	-	-7.48	3.079	110.84	3.991	143.68
					11.06					
13.00	13.6	Flexure	ksi	-34.20	-6.77	-4.09	5.157	185.66	6.705	241.36
19.05	20.0	Shear	kip	414.51	59.81	53.87	3.604	129.73	4.671	168.17
19.05	20.0	Flexure	ksi	-34.71	-5.53	-7.40	3.940	141.84	5.107	183.87
19.05	20.0	Flexure	ksi	-34.20	-3.33	-3.57	6.650	239.41	8.646	311.24
23.50	24.7	Shear	kip	424.98	53.43	50.56	4.049	145.75	5.248	188.93
23.50	24.7	Flexure	ksi	-34.71	-5.53	-7.40	3.940	141.84	5.107	183.87
23.50	24.7	Flexure	ksi	34.20	-1.11	3.86	7.037	253.33	9.148	329.32
28.58	30.0	Shear	kip	395.43	46.15	46.68	4.134	148.83	5.359	192.93
28.58	30.0	Flexure	ksi	36.00	1.41	8.68	3.984	143.43	5.165	185.93
28.58	30.0	Flexure	ksi	34.20	1.13	4.96	5.128	184.60	6.666	239.98
38.10	40.0	Shear	kip	395.43	32.40	39.22	5.171	186.14	6.703	241.30
38.10	40.0	Flexure	ksi	36.00	5.55	11.50	2.648	95.32	3.432	123.56
38.10	40.0	Flexure	ksi	34.20	4.44	6.57	3.483	125.40	4.528	163.02
47.63	50.0	Shear	kip	395.43	18.66	31.76	6.695	241.02	8.679	312.44
47.63	50.0	Flexure	ksi	36.00	8.24	13.06	2.126	76.54	2.756	99.22
47.63	50.0	Flexure	ksi	34.20	6.59	7.46	2.846	102.47	3.700	133.21
57.15	60.0	Shear	kip	395.43	4.92	24.38	9.126	328.53	11.830	425.87
57.15	60.0	Flexure	ksi	36.00	9.49	13.41	1.977	71.17	2.563	92.25
57.15	60.0	Flexure	ksi	34.20	7.59	7.66	2.671	96.15	3.472	125.00
66.68	70.0	Shear	kip	395.43	-8.75	-	6.818	245.44	8.838	318.17
						32.23				
66.68	70.0	Flexure	ksi	36.00	9.29	12.44	2.148	77.33	2.785	100.25
66.68	70.0	Flexure	ksi	34.20	7.43	7.11	2.898	104.32	3.767	135.62
76.20	80.0	Shear	kip	395.43	-	-	5.129	184.65	6.649	239.36
					22.49	40.92				
76.20	80.0	Flexure	ksi	36.00	7.64	10.05	2.822	101.57	3.658	131.67
76.20	80.0	Flexure	ksi	34.20	6.11	5.74	3.762	135.42	4.890	176.05
85.72	90.0	Shear	kip	395.43	-	-	3.961	142.58	5.134	184.83
					36.24	50.52				
85.72	90.0	Flexure	ksi	36.00	4.54	5.95	5.286	190.31	6.853	246.70
85.72	90.0	Flexure	ksi	34.20	3.63	3.40	6.915	248.93	8.989	323.61
95.25	100.0	Shear	kip	469.80	-	-	3.820	137.53	4.952	178.28
					49.98	60.93				
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00	99.000	3564.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00	99.000	3564.00

Detailed Rating Results
Wizard Alternative
HL-93 (US)
90%(Truck Pair + Lane)

Impact: As Requested
Lane: As Requested

Span 1

Location							Inventory	Inventory	Operating	Operating
							Rating	Load Rating	Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj- LL*	LL	Factor	(Ton)	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	0.00	99.000	3564.00	99.000	3564.00
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00	99.000	3564.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00	99.000	3564.00
9.52	10.0	Shear	kip	395.43	36.19	0.00	99.000	3564.00	99.000	3564.00
9.52	10.0	Flexure	ksi	-36.00	4.54	0.00	99.000	3564.00	99.000	3564.00
9.52	10.0	Flexure	ksi	-34.20	-3.14	0.00	99.000	3564.00	99.000	3564.00
19.05	20.0	Shear	kip	395.43	22.52	0.00	99.000	3564.00	99.000	3564.00
19.05	20.0	Flexure	ksi	-36.00	7.64	0.00	99.000	3564.00	99.000	3564.00
19.05	20.0	Flexure	ksi	-34.20	-5.28	0.00	99.000	3564.00	99.000	3564.00
28.58	30.0	Shear	kip	395.43	8.78	0.00	99.000	3564.00	99.000	3564.00
28.58	30.0	Flexure	ksi	-36.00	9.28	0.00	99.000	3564.00	99.000	3564.00
28.58	30.0	Flexure	ksi	-34.20	-6.42	0.00	99.000	3564.00	99.000	3564.00
38.10	40.0	Shear	kip	395.43	-4.96	0.00	99.000	3564.00	99.000	3564.00
38.10	40.0	Flexure	ksi	-36.00	9.49	0.00	99.000	3564.00	99.000	3564.00
38.10	40.0	Flexure	ksi	-34.20	-6.56	0.00	99.000	3564.00	99.000	3564.00
47.63	50.0	Shear	kip	395.43	- 18.63	0.00	99.000	3564.00	99.000	3564.00
47.63	50.0	Flexure	ksi	-36.00	8.24	0.00	99.000	3564.00	99.000	3564.00
47.63	50.0	Flexure	ksi	-34.20	-5.69	0.00	99.000	3564.00	99.000	3564.00
57.15	60.0	Shear	kip	395.43	- 32.37	0.00	99.000	3564.00	99.000	3564.00
57.15	60.0	Flexure	ksi	-36.00	5.55	0.00	99.000	3564.00	99.000	3564.00
57.15	60.0	Flexure	ksi	-34.20	-3.82	0.00	99.000	3564.00	99.000	3564.00
66.68	70.0	Shear	kip	395.43	- 46.12	0.00	99.000	3564.00	99.000	3564.00
66.68	70.0	Flexure	ksi	-36.00	1.41	0.00	99.000	3564.00	99.000	3564.00
66.68	70.0	Flexure	ksi	-34.20	-0.96	0.00	99.000	3564.00	99.000	3564.00
71.75	75.3	Shear	kip	424.98	-	0.00	99.000	3564.00	99.000	3564.00
71.75	75.3	Flexure	ksi	-34.71	-2.55	-6.18	5.206	187.40	6.748	242.93
71.75	75.3	Flexure	ksi	-34.20	-1.11	-3.02	8.421	303.17	10.948	394.12
76.20	80.0	Shear	kip	414.51	-	0.00	99.000	3564.00	99.000	3564.00
76.20	80.0	Flexure	ksi	-34.01	-8.61	-8.88	2.860	102.97	3.708	133.47

76.20	80.0	Flexure	ksi	-34.20	-3.34	-3.29	7.218	259.86	9.384	337.81
82.25	86.4	Shear	kip	414.51	-	0.00	99.000	3564.00	99.000	3564.00
82.25	86.4	Flexure	ksi	-34.01	-8.61	-8.88	2.860	102.97	3.708	133.47
82.25	86.4	Flexure	ksi	-34.20	-6.77	-4.44	4.750	170.99	6.175	222.29
85.72	90.0	Shear	kip	518.17	-	0.00	99.000	3564.00	99.000	3564.00
85.72	90.0	Flexure	ksi	-34.01	-8.61	-8.88	2.860	102.97	3.708	133.47
85.72	90.0	Flexure	ksi	-34.20	-6.26	-3.86	5.566	200.36	7.235	260.47
95.25	100.0	Shear	kip	518.17	-	0.00	99.000	3564.00	99.000	3564.00
95.25	100.0	Flexure	ksi	-35.94	-	-	1.794	64.59	2.326	83.73
95.25	100.0	Flexure	ksi	-34.20	-	-6.15	2.899	104.37	3.769	135.68

Span 2

							Inventory	Inventory	Operating	Operating
Location							Rating	Load Rating	Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj- LL*	LL	Factor	(Ton)	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	0.00	99.000	3564.00	99.000	3564.00
11.90	10.0	Flexure	ksi	-34.39	- 11.12	- 10.05	2.316	83.38	3.002	108.09
11.90	10.0	Flexure	ksi	-34.20	-5.33	-3.55	6.258	225.28	8.135	292.87
13.00	10.9	Shear	kip	518.17	66.88	0.00	99.000	3564.00	99.000	3564.00
13.00	10.9	Flexure	ksi	-34.39	- 11.12	- 10.05	2.316	83.38	3.002	108.09
13.00	10.9	Flexure	ksi	-34.20	-6.96	-4.69	4.471	160.94	5.812	209.23
23.50	19.7	Shear	kip	424.98	51.74	0.00	99.000	3564.00	99.000	3564.00
23.50	19.7	Flexure	ksi	-34.71	-6.48	-8.10	3.484	125.41	4.516	162.56
23.50	19.7	Flexure	ksi	-34.20	-1.47	-3.20	7.864	283.11	10.223	368.04
23.80	20.0	Shear	kip	404.69	51.31	0.00	99.000	3564.00	99.000	3564.00
23.80	20.0	Flexure	ksi	-35.24	-6.48	-8.10	3.549	127.78	4.601	165.64
23.80	20.0	Flexure	ksi	-34.20	-1.33	-3.18	7.952	286.28	10.338	372.16
35.70	30.0	Shear	kip	395.43	34.15	0.00	99.000	3564.00	99.000	3564.00
35.70	30.0	Flexure	ksi	-36.00	3.97	0.00	99.000	3564.00	99.000	3564.00
35.70	30.0	Flexure	ksi	-34.20	-2.72	0.00	99.000	3564.00	99.000	3564.00
47.60	40.0	Shear	kip	395.43	17.00	0.00	99.000	3564.00	99.000	3564.00
47.60	40.0	Flexure	ksi	-36.00	7.33	0.00	99.000	3564.00	99.000	3564.00
47.60	40.0	Flexure	ksi	-34.20	-5.06	0.00	99.000	3564.00	99.000	3564.00
59.50	50.0	Shear	kip	395.43	-0.15	0.00	99.000	3564.00	99.000	3564.00

59.50	50.0	Flexure	ksi	-36.00	8.44	0.00	99.000	3564.00	99.000	3564.00
59.50	50.0	Flexure	ksi	-34.20	-5.82	0.00	99.000	3564.00	99.000	3564.00
71.40	60.0	Shear	kip	395.43	- 17.30	0.00	99.000	3564.00	99.000	3564.00
71.40	60.0	Flexure	ksi	-36.00	7.29	0.00	99.000	3564.00	99.000	3564.00
71.40	60.0	Flexure	ksi	-34.20	-5.03	0.00	99.000	3564.00	99.000	3564.00
83.30	70.0	Shear	kip	395.43	- 34.45	0.00	99.000	3564.00	99.000	3564.00
83.30	70.0	Flexure	ksi	-36.00	3.88	0.00	99.000	3564.00	99.000	3564.00
83.30	70.0	Flexure	ksi	-34.20	-2.67	0.00	99.000	3564.00	99.000	3564.00
95.20	80.0	Shear	kip	404.69	- 51.61	0.00	99.000	3564.00	99.000	3564.00
95.20	80.0	Flexure	ksi	-35.24	-4.27	-6.91	4.479	161.24	5.806	209.01
95.20	80.0	Flexure	ksi	-34.20	-1.43	-2.44	10.346	372.46	13.450	484.19
95.50	80.3	Shear	kip	424.98	- 52.04	0.00	99.000	3564.00	99.000	3564.00
95.50	80.3	Flexure	ksi	-34.71	-4.27	-6.91	4.401	158.45	5.706	205.40
95.50	80.3	Flexure	ksi	-34.20	-1.57	-2.51	10.001	360.03	13.001	468.04
104.00	87.4	Shear	kip	414.51	- 64.31	0.00	99.000	3564.00	99.000	3564.00
104.00	87.4	Flexure	ksi	-34.39	-9.13	- 10.27	2.459	88.53	3.188	114.76
104.00	87.4	Flexure	ksi	-34.20	-5.93	-4.86	4.475	161.11	5.818	209.44
107.10	90.0	Shear	kip	518.17	- 68.99	0.00	99.000	3564.00	99.000	3564.00
107.10	90.0	Flexure	ksi	-34.39	-9.13	- 10.27	2.459	88.53	3.188	114.76
107.10	90.0	Flexure	ksi	-34.20	-5.42	-4.21	5.256	189.20	6.832	245.96
119.00	100.0	Shear	kip	518.17	- 87.02	0.00	99.000	3564.00	99.000	3564.00
119.00	100.0	Flexure	ksi	-35.94	- 14.18	- 14.48	1.503	54.09	1.948	70.12
119.00	100.0	Flexure	ksi	-34.20	- 11.16	-7.29	2.433	87.58	3.163	113.86

Span 3

							Inventory	Inventory	Operating	Operating
Location							Rating	Load Rating	Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	69.01	0.00	99.000	3564.00	99.000	3564.00
11.90	10.0	Flexure	ksi	-35.94	- 11.27	- 12.09	2.040	73.44	2.644	95.20

11.90	10.0	Flexure	ksi	-34.20	-5.42	-4.20	5.274	189.85	6.856	246.81
15.00	12.6	Shear	kip	518.17	64.33	0.00	99.000	3564.00	99.000	3564.00
15.00	12.6	Flexure	ksi	-34.71	-	-	1.938	69.77	2.512	90.44
					11.27	12.09				
15.00	12.6	Flexure	ksi	-34.20	-5.93	-4.87	4.468	160.85	5.809	209.11
23.50	19.7	Shear	kip	424.98	52.06	0.00	99.000	3564.00	99.000	3564.00
23.50	19.7	Flexure	ksi	-34.71	-6.64	-8.95	3.135	112.87	4.064	146.31
23.50	19.7	Flexure	ksi	-34.20	-1.57	-2.50	10.049	361.77	13.064	470.30
23.80	20.0	Shear	kip	404.69	51.63	0.00	99.000	3564.00	99.000	3564.00
23.80	20.0	Flexure	ksi	-35.24	-6.64	-8.95	3.195	115.01	4.141	149.09
23.80	20.0	Flexure	ksi	-34.20	-1.43	-2.43	10.392	374.11	13.509	486.34
35.70	30.0	Shear	kip	395.43	34.48	0.00	99.000	3564.00	99.000	3564.00
35.70	30.0	Flexure	ksi	-36.00	3.88	0.00	99.000	3564.00	99.000	3564.00
35.70	30.0	Flexure	ksi	-34.20	-2.67	0.00	99.000	3564.00	99.000	3564.00
47.60	40.0	Shear	kip	395.43	17.32	0.00	99.000	3564.00	99.000	3564.00
47.60	40.0	Flexure	ksi	-36.00	7.29	0.00	99.000	3564.00	99.000	3564.00
47.60	40.0	Flexure	ksi	-34.20	-5.03	0.00	99.000	3564.00	99.000	3564.00
59.50	50.0	Shear	kip	395.43	0.17	0.00	99.000	3564.00	99.000	3564.00
59.50	50.0	Flexure	ksi	-36.00	8.44	0.00	99.000	3564.00	99.000	3564.00
59.50	50.0	Flexure	ksi	-34.20	-5.82	0.00	99.000	3564.00	99.000	3564.00
71.40	60.0	Shear	kip	395.43	-	0.00	99.000	3564.00	99.000	3564.00
					16.98					
71.40	60.0	Flexure	ksi	-36.00	7.33	0.00	99.000	3564.00	99.000	3564.00
71.40	60.0	Flexure	ksi	-34.20	-5.06	0.00	99.000	3564.00	99.000	3564.00
83.30	70.0	Shear	kip	395.43	-	0.00	99.000	3564.00	99.000	3564.00
					34.13					
83.30	70.0	Flexure	ksi	-36.00	3.97	0.00	99.000	3564.00	99.000	3564.00
83.30	70.0	Flexure	ksi	-34.20	-2.72	0.00	99.000	3564.00	99.000	3564.00
95.20	80.0	Shear	kip	404.69	-	0.00	99.000	3564.00	99.000	3564.00
					51.28					
95.20	80.0	Flexure	ksi	-35.24	-4.13	-7.08	4.392	158.13	5.694	204.98
95.20	80.0	Flexure	ksi	-34.20	-1.33	-3.18	7.948	286.14	10.333	371.98
95.50	80.3	Shear	kip	424.98	-	0.00	99.000	3564.00	99.000	3564.00
					51.71					
95.50	80.3	Flexure	ksi	-34.71	-4.13	-7.08	4.317	155.41	5.596	201.46
95.50	80.3	Flexure	ksi	-34.20	-1.47	-3.20	7.862	283.04	10.221	367.96
106.00	89.1	Shear	kip	414.51	-	0.00	99.000	3564.00	99.000	3564.00
					66.86					
106.00	89.1	Flexure	ksi	-34.39	-8.85	-9.37	2.727	98.17	3.535	127.25
106.00	89.1	Flexure	ksi	-34.20	-6.96	-4.68	4.473	161.02	5.815	209.33
107.10	90.0	Shear	kip	518.17	-	0.00	99.000	3564.00	99.000	3564.00
					68.52					
107.10	90.0	Flexure	ksi	-34.39	-8.85	-9.37	2.727	98.17	3.535	127.25
107.10	90.0	Flexure	ksi	-34.20	-5.33	-3.55	6.260	225.35	8.138	292.95

119.00	100.0	Shear	kip	518.17	-	0.00	99.000	3564.00	99.000	3564.00
					86.55					
119.00	100.0	Flexure	ksi	-35.94	-	-	1.795	64.61	2.326	83.75
					14.01	12.22				
119.00	100.0	Flexure	ksi	-34.20	-	-6.15	2.900	104.40	3.770	135.72
					11.03					

Span 4

						Inventory	Inventory	Operating	Operating	
						Rating	Load Rating	Rating	Load Rating	
Location					DL +					
(ft)	Percent	Limit State	Units	Capacity	Adj- LL*	LL	Factor	(Ton)	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	0.00	99.000	3564.00	99.000	3564.00
9.52	10.0	Flexure	ksi	-34.08	-	-	2.310	83.16	2.995	107.80
					11.06	9.96				
9.52	10.0	Flexure	ksi	-34.20	-6.26	-	5.570	200.53	7.241	260.69
						3.86				
13.00	13.6	Shear	kip	518.17	68.57	0.00	99.000	3564.00	99.000	3564.00
13.00	13.6	Flexure	ksi	-34.08	-	-	2.310	83.16	2.995	107.80
					11.06	9.96				
13.00	13.6	Flexure	ksi	-34.20	-6.77	-	4.754	171.14	6.180	222.48
						4.44				
19.05	20.0	Shear	kip	414.51	59.81	0.00	99.000	3564.00	99.000	3564.00
19.05	20.0	Flexure	ksi	-34.71	-5.53	-	4.100	147.60	5.315	191.34
						7.12				
19.05	20.0	Flexure	ksi	-34.20	-3.33	-	7.239	260.60	9.411	338.78
						3.28				
23.50	24.7	Shear	kip	424.98	53.43	0.00	99.000	3564.00	99.000	3564.00
23.50	24.7	Flexure	ksi	-34.71	-5.53	-	4.100	147.60	5.315	191.34
						7.12				
23.50	24.7	Flexure	ksi	-34.20	-1.11	-	8.438	303.75	10.969	394.88
						3.02				
28.58	30.0	Shear	kip	395.43	46.15	0.00	99.000	3564.00	99.000	3564.00
28.58	30.0	Flexure	ksi	-36.00	1.41	0.00	99.000	3564.00	99.000	3564.00
28.58	30.0	Flexure	ksi	-34.20	-0.96	0.00	99.000	3564.00	99.000	3564.00
38.10	40.0	Shear	kip	395.43	32.40	0.00	99.000	3564.00	99.000	3564.00
38.10	40.0	Flexure	ksi	-36.00	5.55	0.00	99.000	3564.00	99.000	3564.00
38.10	40.0	Flexure	ksi	-34.20	-3.83	0.00	99.000	3564.00	99.000	3564.00
47.63	50.0	Shear	kip	395.43	18.66	0.00	99.000	3564.00	99.000	3564.00
47.63	50.0	Flexure	ksi	-36.00	8.24	0.00	99.000	3564.00	99.000	3564.00
47.63	50.0	Flexure	ksi	-34.20	-5.69	0.00	99.000	3564.00	99.000	3564.00
57.15	60.0	Shear	kip	395.43	4.92	0.00	99.000	3564.00	99.000	3564.00
57.15	60.0	Flexure	ksi	-36.00	9.49	0.00	99.000	3564.00	99.000	3564.00

57.15	60.0	Flexure	ksi	-34.20	-6.56	0.00	99.000	3564.00	99.000	3564.00
66.68	70.0	Shear	kip	395.43	-8.75	0.00	99.000	3564.00	99.000	3564.00
66.68	70.0	Flexure	ksi	-36.00	9.29	0.00	99.000	3564.00	99.000	3564.00
66.68	70.0	Flexure	ksi	-34.20	-6.42	0.00	99.000	3564.00	99.000	3564.00
76.20	80.0	Shear	kip	395.43	- 22.49	0.00	99.000	3564.00	99.000	3564.00
76.20	80.0	Flexure	ksi	-36.00	7.64	0.00	99.000	3564.00	99.000	3564.00
76.20	80.0	Flexure	ksi	-34.20	-5.28	0.00	99.000	3564.00	99.000	3564.00
85.72	90.0	Shear	kip	395.43	- 36.24	0.00	99.000	3564.00	99.000	3564.00
85.72	90.0	Flexure	ksi	-36.00	4.54	0.00	99.000	3564.00	99.000	3564.00
85.72	90.0	Flexure	ksi	-34.20	-3.14	0.00	99.000	3564.00	99.000	3564.00
95.25	100.0	Shear	kip	469.80	- 49.98	0.00	99.000	3564.00	99.000	3564.00
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00	99.000	3564.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00	99.000	3564.00

Detailed Rating Results
Wizard Alternative
HL-93 (US)
Tandem + Lane
Impact: As Requested
Lane: As Requested

Span 1

							Inventory	Inventory	Operating	Operating
							Rating	Load Rating	Rating	Load Rating
Location					DL +					
(ft)	Percent	Limit State	Units	Capacity	Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	47.39	2.374	85.47	3.078	110.80
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00	99.000	3564.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00	99.000	3564.00
9.52	10.0	Shear	kip	395.43	36.19	39.99	5.005	180.16	6.487	233.55
9.52	10.0	Flexure	ksi	36.00	4.54	4.97	6.326	227.72	8.200	295.19
9.52	10.0	Flexure	ksi	34.20	3.63	2.84	8.274	297.86	10.756	387.22
19.05	20.0	Shear	kip	395.43	22.52	33.06	6.348	228.54	8.229	296.25
19.05	20.0	Flexure	ksi	36.00	7.64	8.52	3.330	119.89	4.317	155.42
19.05	20.0	Flexure	ksi	34.20	6.11	4.87	4.440	159.84	5.772	207.79
28.58	30.0	Shear	kip	395.43	8.78	26.66	8.240	296.63	10.681	384.52
28.58	30.0	Flexure	ksi	36.00	9.28	10.68	2.502	90.06	3.243	116.75
28.58	30.0	Flexure	ksi	34.20	7.43	6.10	3.375	121.50	4.387	157.95
38.10	40.0	Shear	kip	395.43	-4.96		10.317	371.41	13.374	481.46

					-					
					21.56					
38.10	40.0	Flexure	ksi	36.00	9.49	11.53	2.299	82.76	2.980	107.28
38.10	40.0	Flexure	ksi	34.20	7.59	6.59	3.106	111.81	4.038	145.36
47.63	50.0	Shear	kip	395.43	-	-	7.794	280.59	10.104	363.73
					18.63	27.28				
47.63	50.0	Flexure	ksi	36.00	8.24	11.25	2.467	88.83	3.198	115.14
47.63	50.0	Flexure	ksi	34.20	6.59	6.43	3.303	118.92	4.294	154.59
57.15	60.0	Shear	kip	395.43	-	-	6.089	219.22	7.894	284.17
					32.37	33.31				
57.15	60.0	Flexure	ksi	36.00	5.55	9.92	3.068	110.46	3.978	143.19
57.15	60.0	Flexure	ksi	34.20	4.44	5.67	4.037	145.33	5.248	188.92
66.68	70.0	Shear	kip	395.43	-	-	4.884	175.84	6.332	227.94
					46.12	39.52				
66.68	70.0	Flexure	ksi	36.00	1.41	7.65	4.525	162.89	5.865	211.15
66.68	70.0	Flexure	ksi	34.20	1.13	4.37	5.824	209.65	7.571	272.54
71.75	75.3	Shear	kip	424.98	-	-	4.751	171.05	6.159	221.73
					53.40	43.08				
71.75	75.3	Flexure	ksi	-34.71	-2.55	-5.57	5.775	207.89	7.486	269.49
71.75	75.3	Flexure	ksi	34.20	-1.11	3.48	7.800	280.79	10.140	365.03
76.20	80.0	Shear	kip	414.51	-	-	4.244	152.77	5.501	198.03
					59.86	45.74				
76.20	80.0	Flexure	ksi	-34.01	-8.61	-6.74	3.772	135.79	4.890	176.02
76.20	80.0	Flexure	ksi	-34.20	-3.34	-2.90	8.186	294.68	10.641	383.09
82.25	86.4	Shear	kip	414.51	-	-	3.788	136.36	4.910	176.76
					68.54	49.61				
82.25	86.4	Flexure	ksi	-34.01	-8.61	-6.74	3.772	135.79	4.890	176.02
82.25	86.4	Flexure	ksi	-34.20	-6.77	-3.37	6.264	225.50	8.143	293.15
85.72	90.0	Shear	kip	518.17	-	-	4.717	169.81	6.114	220.12
					73.79	51.60				
85.72	90.0	Flexure	ksi	-34.01	-8.61	-6.74	3.772	135.79	4.890	176.02
85.72	90.0	Flexure	ksi	-34.20	-6.26	-2.70	7.971	286.96	10.362	373.05
95.25	100.0	Shear	kip	390.83	86.57	56.98	2.834	102.04	3.674	132.27
95.25	100.0	Flexure	ksi	-35.94	-	-7.84	2.796	100.66	3.625	130.48
					14.01					
95.25	100.0	Flexure	ksi	-34.20	-	-3.94	4.518	162.66	5.874	211.45
					11.03					

Span 2

					Inventory		Inventory		Operating	
Location					Rating		Load Rating		Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)

11.90	10.0	Shear	kip	518.17	68.54	46.87	5.273	189.83	6.836	246.08
11.90	10.0	Flexure	ksi	-34.39	-	-6.81	3.419	123.09	4.432	159.56
11.90	10.0	Flexure	ksi	-34.20	-5.33	-2.71	8.182	294.54	10.636	382.91
13.00	10.9	Shear	kip	414.51	66.88	46.19	4.094	147.37	5.307	191.04
13.00	10.9	Flexure	ksi	-34.39	-	-6.81	3.419	123.09	4.432	159.56
13.00	10.9	Flexure	ksi	-34.20	-6.96	-3.66	5.731	206.30	7.450	268.19
23.50	19.7	Shear	kip	424.98	51.74	39.66	5.192	186.89	6.730	242.27
23.50	19.7	Flexure	ksi	-34.71	-6.48	-6.69	4.218	151.84	5.468	196.83
23.50	19.7	Flexure	ksi	34.20	-1.47	3.42	8.022	288.77	10.428	375.41
23.80	20.0	Shear	kip	404.69	51.31	39.47	4.930	177.49	6.391	230.08
23.80	20.0	Flexure	ksi	-35.24	-6.48	-6.69	4.298	154.72	5.571	200.56
23.80	20.0	Flexure	ksi	34.20	-1.33	3.47	7.882	283.74	10.246	368.86
35.70	30.0	Shear	kip	395.43	34.15	32.04	6.291	226.49	8.155	293.59
35.70	30.0	Flexure	ksi	36.00	3.97	8.74	3.666	131.98	4.752	171.09
35.70	30.0	Flexure	ksi	34.20	3.17	4.99	4.780	172.09	6.214	223.71
47.60	40.0	Shear	kip	395.43	17.00	24.91	8.585	309.06	11.129	400.64
47.60	40.0	Flexure	ksi	36.00	7.33	9.89	2.897	104.30	3.756	135.21
47.60	40.0	Flexure	ksi	34.20	5.87	5.65	3.855	138.78	5.011	180.41
59.50	50.0	Shear	kip	395.43	-0.15	-	8.734	314.43	11.322	407.59
59.50	50.0	Flexure	ksi	36.00	8.44	9.54	2.888	103.98	3.744	134.79
59.50	50.0	Flexure	ksi	34.20	6.75	5.45	3.872	139.41	5.034	181.23
71.40	60.0	Shear	kip	395.43	-	-	6.402	230.46	8.298	298.74
71.40	60.0	Flexure	ksi	36.00	7.29	7.70	3.727	134.17	4.831	173.92
71.40	60.0	Flexure	ksi	34.20	5.83	4.40	4.957	178.46	6.444	232.00
83.30	70.0	Shear	kip	395.43	-	-	4.901	176.44	6.353	228.71
83.30	70.0	Flexure	ksi	36.00	3.88	4.93	6.516	234.59	8.447	304.10
83.30	70.0	Flexure	ksi	34.20	3.11	2.82	8.493	305.73	11.040	397.45
95.20	80.0	Shear	kip	404.69	-	-	4.005	144.20	5.192	186.92
95.20	80.0	Flexure	ksi	-35.24	-4.27	-6.22	4.980	179.28	6.455	232.40
95.20	80.0	Flexure	ksi	-34.20	-1.43	-2.18	11.540	415.44	15.002	540.07
95.50	80.3	Shear	kip	424.98	-	-	4.223	152.05	5.475	197.10
95.50	80.3	Flexure	ksi	-34.71	-4.27	-6.22	4.894	176.18	6.344	228.39
95.50	80.3	Flexure	ksi	-34.20	-1.57	-2.25	11.153	401.49	14.498	521.94
104.00	87.4	Shear	kip	414.51	-	-	3.568	128.44	4.625	166.49
104.00	87.4	Flexure	ksi	-34.39	-9.13	-9.26	2.727	98.19	3.536	127.28
104.00	87.4	Flexure	ksi	-34.20	-5.93	-4.37	4.972	179.01	6.464	232.71

107.10	90.0	Shear	kip	518.17	-	-	4.488	161.56	5.818	209.44
					68.99	55.00				
107.10	90.0	Flexure	ksi	-34.39	-9.13	-9.26	2.727	98.19	3.536	127.28
107.10	90.0	Flexure	ksi	-34.20	-5.42	-3.78	5.851	210.63	7.606	273.81
119.00	100.0	Shear	kip	390.83	87.04	60.67	2.656	95.62	3.443	123.96
119.00	100.0	Flexure	ksi	-35.94	-	-	1.665	59.94	2.158	77.70
					14.18	13.07				
119.00	100.0	Flexure	ksi	-34.20	-	-6.57	2.696	97.05	3.504	126.16
					11.16					

Span 3

				Inventory		Inventory		Operating		Operating	
Location				Rating		Load Rating		Rating		Load Rating	
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)	
11.90	10.0	Shear	kip	518.17	69.01	52.50	4.701	169.25	6.094	219.39	
11.90	10.0	Flexure	ksi	-35.94	-	-	2.263	81.47	2.934	105.61	
					11.27	10.90					
11.90	10.0	Flexure	ksi	-34.20	-5.42	-3.78	5.850	210.62	7.606	273.80	
15.00	12.6	Shear	kip	414.51	64.33	51.06	3.739	134.59	4.846	174.47	
15.00	12.6	Flexure	ksi	-34.71	-	-	2.150	77.41	2.787	100.34	
					11.27	10.90					
15.00	12.6	Flexure	ksi	-34.20	-5.93	-4.37	4.979	179.24	6.472	233.01	
23.50	19.7	Shear	kip	424.98	52.06	46.84	4.391	158.07	5.692	204.91	
23.50	19.7	Flexure	ksi	-34.71	-6.64	-8.04	3.493	125.74	4.528	163.00	
23.50	19.7	Flexure	ksi	-34.20	-1.57	-2.25	11.146	401.27	14.490	521.65	
23.80	20.0	Shear	kip	404.69	51.63	46.68	4.164	149.90	5.398	194.32	
23.80	20.0	Flexure	ksi	-35.24	-6.64	-8.04	3.559	128.14	4.614	166.10	
23.80	20.0	Flexure	ksi	-34.20	-1.43	-2.19	11.531	415.12	14.991	539.66	
35.70	30.0	Shear	kip	395.43	34.48	40.03	5.030	181.07	6.520	234.73	
35.70	30.0	Flexure	ksi	36.00	3.88	4.92	6.528	235.02	8.463	304.66	
35.70	30.0	Flexure	ksi	34.20	3.11	2.81	8.508	306.29	11.061	398.18	
47.60	40.0	Shear	kip	395.43	17.32	32.93	6.485	233.46	8.407	302.64	
47.60	40.0	Flexure	ksi	36.00	7.29	7.70	3.730	134.29	4.836	174.08	
47.60	40.0	Flexure	ksi	34.20	5.83	4.40	4.962	178.62	6.450	232.21	
59.50	50.0	Shear	kip	395.43	0.17	25.86	8.733	314.37	11.320	407.52	
59.50	50.0	Flexure	ksi	36.00	8.44	9.53	2.890	104.05	3.746	134.87	
59.50	50.0	Flexure	ksi	34.20	6.75	5.45	3.875	139.50	5.037	181.34	
71.40	60.0	Shear	kip	395.43	-	-	8.472	304.99	10.982	395.36	
					16.98	25.24					
71.40	60.0	Flexure	ksi	36.00	7.33	9.90	2.896	104.24	3.754	135.13	
71.40	60.0	Flexure	ksi	34.20	5.87	5.66	3.853	138.70	5.008	180.30	

83.30	70.0	Shear	kip	395.43	-	-	6.129	220.64	7.945	286.01
					34.13	32.89				
83.30	70.0	Flexure	ksi	36.00	3.97	8.74	3.664	131.90	4.749	170.98
83.30	70.0	Flexure	ksi	34.20	3.17	5.00	4.777	171.97	6.210	223.56
95.20	80.0	Shear	kip	404.69	-	-	4.742	170.71	6.147	221.29
					51.28	41.04				
95.20	80.0	Flexure	ksi	-35.24	-4.13	-6.16	5.050	181.80	6.546	235.66
95.20	80.0	Flexure	ksi	34.20	-1.33	3.47	7.873	283.42	10.235	368.45
95.50	80.3	Shear	kip	424.98	-	-	4.993	179.75	6.472	233.00
					51.71	41.24				
95.50	80.3	Flexure	ksi	-34.71	-4.13	-6.16	4.963	178.67	6.434	231.61
95.50	80.3	Flexure	ksi	34.20	-1.47	3.42	8.015	288.53	10.419	375.09
106.00	89.1	Shear	kip	414.51	-	-	3.908	140.69	5.066	182.37
					66.86	48.39				
106.00	89.1	Flexure	ksi	-34.39	-8.85	-7.32	3.491	125.69	4.526	162.94
106.00	89.1	Flexure	ksi	-34.20	-6.96	-3.66	5.727	206.18	7.445	268.03
107.10	90.0	Shear	kip	518.17	-	-	5.034	181.22	6.526	234.92
					68.52	49.10				
107.10	90.0	Flexure	ksi	-34.39	-8.85	-7.32	3.491	125.69	4.526	162.94
107.10	90.0	Flexure	ksi	-34.20	-5.33	-2.72	8.177	294.37	10.630	382.68
119.00	100.0	Shear	kip	390.83	88.27	57.69	2.778	100.01	3.601	129.65
119.00	100.0	Flexure	ksi	-35.94	-	-7.85	2.795	100.61	3.623	130.42
					14.01					
119.00	100.0	Flexure	ksi	-34.20	-	-3.95	4.516	162.57	5.871	211.35
					11.03					

Span 4

				Inventory Inventory Operating Operating						
Location				Rating	Load Rating	Rating	Load Rating	Rating	Load Rating	
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	49.39	4.927	177.38	6.387	229.93
9.52	10.0	Flexure	ksi	-34.08	-	-6.33	3.634	130.84	4.711	169.60
					11.06					
9.52	10.0	Flexure	ksi	-34.20	-6.26	-2.70	7.973	287.04	10.365	373.15
13.00	13.6	Shear	kip	414.51	68.57	47.49	3.956	142.42	5.128	184.62
13.00	13.6	Flexure	ksi	-34.08	-	-6.33	3.634	130.84	4.711	169.60
					11.06					
13.00	13.6	Flexure	ksi	-34.20	-6.77	-3.37	6.266	225.57	8.146	293.24
19.05	20.0	Shear	kip	414.51	59.81	44.09	4.403	158.50	5.707	205.47
19.05	20.0	Flexure	ksi	-34.71	-5.53	-6.03	4.838	174.16	6.271	225.76
19.05	20.0	Flexure	ksi	-34.20	-3.33	-2.90	8.189	294.79	10.645	383.23
23.50	24.7	Shear	kip	424.98	53.43	41.53	4.928	177.42	6.389	229.99

23.50	24.7	Flexure	ksi	-34.71	-5.53	-6.03	4.838	174.16	6.271	225.76
23.50	24.7	Flexure	ksi	34.20	-1.11	3.48	7.798	280.71	10.137	364.93
28.58	30.0	Shear	kip	395.43	46.15	38.56	5.006	180.20	6.489	233.59
28.58	30.0	Flexure	ksi	36.00	1.41	7.65	4.524	162.85	5.864	211.11
28.58	30.0	Flexure	ksi	34.20	1.13	4.37	5.822	209.60	7.569	272.48
38.10	40.0	Shear	kip	395.43	32.40	32.90	6.164	221.90	7.990	287.65
38.10	40.0	Flexure	ksi	36.00	5.55	9.92	3.069	110.48	3.978	143.22
38.10	40.0	Flexure	ksi	34.20	4.44	5.67	4.038	145.36	5.249	188.96
47.63	50.0	Shear	kip	395.43	18.66	27.28	7.793	280.56	10.102	363.69
47.63	50.0	Flexure	ksi	36.00	8.24	11.25	2.467	88.83	3.199	115.15
47.63	50.0	Flexure	ksi	34.20	6.59	6.43	3.303	118.92	4.294	154.60
57.15	60.0	Shear	kip	395.43	4.92	21.83	10.191	366.89	13.211	475.60
57.15	60.0	Flexure	ksi	36.00	9.49	11.54	2.298	82.74	2.979	107.26
57.15	60.0	Flexure	ksi	34.20	7.59	6.59	3.105	111.79	4.037	145.33
66.68	70.0	Shear	kip	395.43	-8.75	-	8.041	289.48	10.424	375.25
					27.32					
66.68	70.0	Flexure	ksi	36.00	9.29	10.68	2.502	90.07	3.243	116.76
66.68	70.0	Flexure	ksi	34.20	7.43	6.10	3.375	121.51	4.388	157.96
76.20	80.0	Shear	kip	395.43	-	-	6.120	220.33	7.934	285.61
					22.49	34.30				
76.20	80.0	Flexure	ksi	36.00	7.64	8.52	3.330	119.89	4.317	155.41
76.20	80.0	Flexure	ksi	34.20	6.11	4.87	4.440	159.84	5.772	207.79
85.72	90.0	Shear	kip	395.43	-	-	4.766	171.59	6.179	222.43
					36.24	41.98				
85.72	90.0	Flexure	ksi	36.00	4.54	4.97	6.326	227.73	8.200	295.21
85.72	90.0	Flexure	ksi	34.20	3.63	2.84	8.274	297.88	10.757	387.24
95.25	100.0	Shear	kip	469.80	-	-	4.624	166.46	5.994	215.78
					49.98	50.34				
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00	99.000	3564.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00	99.000	3564.00

Detailed Rating Results
Wizard Alternative
OH-2F1
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal	Legal
Location							Rating	Load
(ft)	Percent	Limit	Units	Capacity	DL + Adj	LL	Factor	Rating
		State			-LL*			(Ton)

0.00	0.0	Shear	kip	259.32	49.93	19.86	7.625	114.37
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	1485.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	1485.00
9.52	10.0	Shear	kip	395.43	36.19	17.21	15.649	234.74
9.52	10.0	Flexure	ksi	36.00	4.54	1.54	20.465	306.98
9.52	10.0	Flexure	ksi	34.20	3.63	1.18	19.885	298.28
19.05	20.0	Shear	kip	395.43	22.52	14.61	19.335	290.03
19.05	20.0	Flexure	ksi	36.00	7.64	2.61	10.869	163.04
19.05	20.0	Flexure	ksi	34.20	6.11	2.01	10.765	161.47
28.58	30.0	Shear	kip	395.43	8.78	12.09	24.455	366.82
28.58	30.0	Flexure	ksi	36.00	9.28	3.24	8.247	123.70
28.58	30.0	Flexure	ksi	34.20	7.43	2.49	8.264	123.96
38.10	40.0	Shear	kip	395.43	-4.96	-9.44	31.722	475.84
38.10	40.0	Flexure	ksi	36.00	9.49	3.46	7.656	114.84
38.10	40.0	Flexure	ksi	34.20	7.59	2.66	7.684	115.26
47.63	50.0	Shear	kip	395.43	-18.63	-11.83	24.199	362.98
47.63	50.0	Flexure	ksi	36.00	8.24	3.37	8.237	123.56
47.63	50.0	Flexure	ksi	34.20	6.59	2.59	8.192	122.88
57.15	60.0	Shear	kip	395.43	-32.37	-14.15	19.290	289.35
57.15	60.0	Flexure	ksi	36.00	5.55	3.00	10.145	152.18
57.15	60.0	Flexure	ksi	34.20	4.44	2.31	9.915	148.72
66.68	70.0	Shear	kip	395.43	-46.12	-16.36	15.878	238.17
66.68	70.0	Flexure	ksi	36.00	1.41	2.37	14.603	219.04
66.68	70.0	Flexure	ksi	34.20	1.13	1.82	13.962	209.43
71.75	75.3	Shear	kip	424.98	-53.40	-17.56	15.692	235.39
71.75	75.3	Flexure	ksi	36.00	-1.39	1.95	19.151	287.26
71.75	75.3	Flexure	ksi	34.20	-1.11	1.50	18.087	271.30
76.20	80.0	Shear	kip	414.51	-59.86	-18.37	14.220	213.30
76.20	80.0	Flexure	ksi	-34.01	-8.61	-1.69	15.073	226.09
76.20	80.0	Flexure	ksi	-34.20	-3.34	-1.05	22.581	338.72
82.25	86.4	Shear	kip	414.51	-68.54	-19.52	12.960	194.40
82.25	86.4	Flexure	ksi	-34.01	-8.61	-1.69	15.073	226.09
82.25	86.4	Flexure	ksi	-34.20	-6.77	-1.13	18.594	278.91
85.72	90.0	Shear	kip	518.17	-73.79	-20.05	16.343	245.15
85.72	90.0	Flexure	ksi	-34.01	-8.61	-1.69	15.073	226.09
85.72	90.0	Flexure	ksi	-34.20	-6.26	-0.85	25.265	378.98
95.25	100.0	Shear	kip	390.83	86.57	21.40	10.157	152.36
95.25	100.0	Flexure	ksi	-35.94	-14.01	-1.62	13.519	202.79
95.25	100.0	Flexure	ksi	-34.20	-11.03	-1.10	16.228	243.43

Span 2

Legal Legal

Location							Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	18.24	18.237	273.56
11.90	10.0	Flexure	ksi	-34.39	-11.12	-1.53	15.216	228.24
11.90	10.0	Flexure	ksi	-34.20	-5.33	-0.93	23.889	358.33
13.00	10.9	Shear	kip	414.51	66.88	18.03	14.115	211.72
13.00	10.9	Flexure	ksi	-34.39	-11.12	-1.53	15.216	228.24
13.00	10.9	Flexure	ksi	-34.20	-6.96	-1.27	16.485	247.27
23.50	19.7	Shear	kip	424.98	51.74	15.87	17.464	261.95
23.50	19.7	Flexure	ksi	-34.71	-6.48	-1.79	15.748	236.23
23.50	19.7	Flexure	ksi	34.20	-1.47	1.49	18.409	276.14
23.80	20.0	Shear	kip	404.69	51.31	15.81	16.575	248.62
23.80	20.0	Flexure	ksi	-35.24	-6.48	-1.79	16.046	240.70
23.80	20.0	Flexure	ksi	34.20	-1.33	1.51	18.133	272.00
35.70	30.0	Shear	kip	395.43	34.15	13.08	20.750	311.25
35.70	30.0	Flexure	ksi	36.00	3.97	2.66	12.034	180.50
35.70	30.0	Flexure	ksi	34.20	3.17	2.05	11.655	174.83
47.60	40.0	Shear	kip	395.43	17.00	10.23	28.136	422.05
47.60	40.0	Flexure	ksi	36.00	7.33	2.95	9.713	145.69
47.60	40.0	Flexure	ksi	34.20	5.87	2.27	9.600	144.00
59.50	50.0	Shear	kip	395.43	-0.15	-11.85	25.650	384.75
59.50	50.0	Flexure	ksi	36.00	8.44	2.85	9.662	144.93
59.50	50.0	Flexure	ksi	34.20	6.75	2.19	9.623	144.34
71.40	60.0	Shear	kip	395.43	-17.30	-14.72	19.536	293.04
71.40	60.0	Flexure	ksi	36.00	7.29	2.36	12.152	182.27
71.40	60.0	Flexure	ksi	34.20	5.83	1.82	12.007	180.11
83.30	70.0	Shear	kip	395.43	-34.45	-17.38	15.594	233.91
83.30	70.0	Flexure	ksi	36.00	3.88	1.57	20.491	307.36
83.30	70.0	Flexure	ksi	34.20	3.11	1.21	19.838	297.56
95.20	80.0	Shear	kip	404.69	-51.61	-19.61	13.344	200.16
95.20	80.0	Flexure	ksi	-35.24	-4.27	-1.76	17.579	263.69
95.20	80.0	Flexure	ksi	-34.20	-1.43	-0.86	29.412	441.18
95.50	80.3	Shear	kip	424.98	-52.04	-19.65	14.088	211.32
95.50	80.3	Flexure	ksi	-34.71	-4.27	-1.76	17.276	259.14
95.50	80.3	Flexure	ksi	-34.20	-1.57	-0.88	28.521	427.81
104.00	87.4	Shear	kip	414.51	-64.31	-20.82	12.343	185.14
104.00	87.4	Flexure	ksi	-34.39	-9.13	-2.47	10.210	153.15
104.00	87.4	Flexure	ksi	-34.20	-5.93	-1.62	13.413	201.19
107.10	90.0	Shear	kip	518.17	-68.99	-21.10	15.749	236.23
107.10	90.0	Flexure	ksi	-34.39	-9.13	-2.47	10.210	153.15
107.10	90.0	Flexure	ksi	-34.20	-5.42	-1.38	16.018	240.28

119.00	100.0	Shear	kip	390.83	87.04	21.94	9.887	148.30
119.00	100.0	Flexure	ksi	-35.94	-14.18	-3.39	6.421	96.32
119.00	100.0	Flexure	ksi	-34.20	-11.16	-2.29	7.723	115.84

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	69.01	20.14	16.498	247.47
11.90	10.0	Flexure	ksi	-35.94	-11.27	-2.87	8.598	128.97
11.90	10.0	Flexure	ksi	-34.20	-5.42	-1.38	16.009	240.13
15.00	12.6	Shear	kip	414.51	64.33	19.87	12.933	193.99
15.00	12.6	Flexure	ksi	-34.71	-11.27	-2.87	8.168	122.53
15.00	12.6	Flexure	ksi	-34.20	-5.93	-1.62	13.422	201.33
23.50	19.7	Shear	kip	424.98	52.06	18.90	14.649	219.74
23.50	19.7	Flexure	ksi	-34.71	-6.64	-2.23	12.599	188.98
23.50	19.7	Flexure	ksi	-34.20	-1.57	-0.88	28.470	427.05
23.80	20.0	Shear	kip	404.69	51.63	18.86	13.875	208.12
23.80	20.0	Flexure	ksi	-35.24	-6.64	-2.23	12.839	192.58
23.80	20.0	Flexure	ksi	-34.20	-1.43	-0.86	29.370	440.55
35.70	30.0	Shear	kip	395.43	34.48	16.93	16.007	240.10
35.70	30.0	Flexure	ksi	36.00	3.88	1.57	20.506	307.59
35.70	30.0	Flexure	ksi	34.20	3.11	1.20	19.853	297.79
47.60	40.0	Shear	kip	395.43	17.32	14.53	19.793	296.90
47.60	40.0	Flexure	ksi	36.00	7.29	2.36	12.157	182.35
47.60	40.0	Flexure	ksi	34.20	5.83	1.82	12.012	180.18
59.50	50.0	Shear	kip	395.43	0.17	11.85	25.648	384.72
59.50	50.0	Flexure	ksi	36.00	8.44	2.85	9.665	144.98
59.50	50.0	Flexure	ksi	34.20	6.75	2.19	9.626	144.39
71.40	60.0	Shear	kip	395.43	-16.98	-10.37	27.767	416.51
71.40	60.0	Flexure	ksi	36.00	7.33	2.95	9.710	145.65
71.40	60.0	Flexure	ksi	34.20	5.87	2.27	9.597	143.96
83.30	70.0	Shear	kip	395.43	-34.13	-13.42	20.213	303.20
83.30	70.0	Flexure	ksi	36.00	3.97	2.66	12.030	180.46
83.30	70.0	Flexure	ksi	34.20	3.17	2.05	11.652	174.79
95.20	80.0	Shear	kip	404.69	-51.28	-16.44	15.940	239.11
95.20	80.0	Flexure	ksi	-35.24	-4.13	-1.69	18.408	276.12
95.20	80.0	Flexure	ksi	34.20	-1.33	1.51	18.126	271.90
95.50	80.3	Shear	kip	424.98	-51.71	-16.50	16.795	251.92
95.50	80.3	Flexure	ksi	-34.71	-4.13	-1.69	18.092	271.38
95.50	80.3	Flexure	ksi	34.20	-1.47	1.49	18.406	276.10

106.00	89.1	Shear	kip	414.51	-66.86	-18.89	13.473	202.10
106.00	89.1	Flexure	ksi	-34.39	-8.85	-1.89	13.524	202.86
106.00	89.1	Flexure	ksi	-34.20	-6.96	-1.27	16.480	247.19
107.10	90.0	Shear	kip	518.17	-68.52	-19.11	17.408	261.12
107.10	90.0	Flexure	ksi	-34.39	-8.85	-1.89	13.524	202.86
107.10	90.0	Flexure	ksi	-34.20	-5.33	-0.93	23.882	358.22
119.00	100.0	Shear	kip	390.83	88.27	21.62	9.980	149.70
119.00	100.0	Flexure	ksi	-35.94	-14.01	-1.62	13.515	202.73
119.00	100.0	Flexure	ksi	-34.20	-11.03	-1.10	16.223	243.35

Span 4

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	19.19	17.072	256.08
9.52	10.0	Flexure	ksi	-34.08	-11.06	-1.33	17.300	259.51
9.52	10.0	Flexure	ksi	-34.20	-6.26	-0.85	25.274	379.10
13.00	13.6	Shear	kip	414.51	68.57	18.68	13.537	203.06
13.00	13.6	Flexure	ksi	-34.08	-11.06	-1.33	17.300	259.51
13.00	13.6	Flexure	ksi	-34.20	-6.77	-1.13	18.601	279.01
19.05	20.0	Shear	kip	414.51	59.81	17.71	14.753	221.30
19.05	20.0	Flexure	ksi	-34.71	-5.53	-1.60	18.237	273.56
19.05	20.0	Flexure	ksi	-34.20	-3.33	-1.05	22.589	338.84
23.50	24.7	Shear	kip	424.98	53.43	16.93	16.279	244.18
23.50	24.7	Flexure	ksi	-34.71	-5.53	-1.60	18.237	273.56
23.50	24.7	Flexure	ksi	34.20	-1.11	1.50	18.075	271.12
28.58	30.0	Shear	kip	395.43	46.15	15.97	16.272	244.07
28.58	30.0	Flexure	ksi	36.00	1.41	2.37	14.601	219.02
28.58	30.0	Flexure	ksi	34.20	1.13	1.82	13.960	209.40
38.10	40.0	Shear	kip	395.43	32.40	13.98	19.527	292.91
38.10	40.0	Flexure	ksi	36.00	5.55	3.00	10.146	152.19
38.10	40.0	Flexure	ksi	34.20	4.44	2.31	9.916	148.74
47.63	50.0	Shear	kip	395.43	18.66	11.83	24.196	362.95
47.63	50.0	Flexure	ksi	36.00	8.24	3.37	8.237	123.56
47.63	50.0	Flexure	ksi	34.20	6.59	2.59	8.192	122.88
57.15	60.0	Shear	kip	395.43	4.92	9.56	31.337	470.06
57.15	60.0	Flexure	ksi	36.00	9.49	3.46	7.656	114.84
57.15	60.0	Flexure	ksi	34.20	7.59	2.66	7.684	115.26
66.68	70.0	Shear	kip	395.43	-8.75	-12.39	23.863	357.95
66.68	70.0	Flexure	ksi	36.00	9.29	3.24	8.246	123.69
66.68	70.0	Flexure	ksi	34.20	7.43	2.49	8.264	123.96

76.20	80.0	Shear	kip	395.43	-22.49	-15.16	18.641	279.62
76.20	80.0	Flexure	ksi	36.00	7.64	2.61	10.869	163.04
76.20	80.0	Flexure	ksi	34.20	6.11	2.01	10.765	161.47
85.72	90.0	Shear	kip	395.43	-36.24	-18.07	14.904	223.56
85.72	90.0	Flexure	ksi	36.00	4.54	1.54	20.466	306.99
85.72	90.0	Flexure	ksi	34.20	3.63	1.18	19.886	298.29
95.25	100.0	Shear	kip	469.80	-49.98	-21.10	14.849	222.73
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	1485.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	1485.00

Detailed Rating Results
Wizard Alternative
OH-3F1
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal	Legal
							Rating	Load
Location								Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	29.69	5.101	117.33
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2277.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2277.00
9.52	10.0	Shear	kip	395.43	36.19	25.64	10.506	241.63
9.52	10.0	Flexure	ksi	36.00	4.54	2.29	13.739	315.99
9.52	10.0	Flexure	ksi	34.20	3.63	1.76	13.349	307.04
19.05	20.0	Shear	kip	395.43	22.52	21.67	13.035	299.79
19.05	20.0	Flexure	ksi	36.00	7.64	3.87	7.327	168.53
19.05	20.0	Flexure	ksi	34.20	6.11	2.98	7.257	166.91
28.58	30.0	Shear	kip	395.43	8.78	17.85	16.569	381.09
28.58	30.0	Flexure	ksi	36.00	9.28	4.78	5.587	128.51
28.58	30.0	Flexure	ksi	34.20	7.43	3.68	5.599	128.78
38.10	40.0	Shear	kip	395.43	-4.96	14.22	21.733	499.87
38.10	40.0	Flexure	ksi	36.00	9.49	5.17	5.129	117.97
38.10	40.0	Flexure	ksi	34.20	7.59	3.98	5.148	118.40
47.63	50.0	Shear	kip	395.43	-18.63	-17.46	16.399	377.17
47.63	50.0	Flexure	ksi	36.00	8.24	5.03	5.514	126.82
47.63	50.0	Flexure	ksi	34.20	6.59	3.87	5.484	126.13
57.15	60.0	Shear	kip	395.43	-32.37	-21.07	12.961	298.11
57.15	60.0	Flexure	ksi	36.00	5.55	4.43	6.867	157.93

57.15	60.0	Flexure	ksi	34.20	4.44	3.41	6.711	154.35
66.68	70.0	Shear	kip	395.43	-46.12	-24.51	10.603	243.87
66.68	70.0	Flexure	ksi	36.00	1.41	3.45	10.018	230.41
66.68	70.0	Flexure	ksi	34.20	1.13	2.66	9.578	220.30
71.75	75.3	Shear	kip	424.98	-53.40	-26.38	10.446	240.27
71.75	75.3	Flexure	ksi	36.00	-1.39	2.81	13.283	305.51
71.75	75.3	Flexure	ksi	34.20	-1.11	2.17	12.545	288.53
76.20	80.0	Shear	kip	414.51	-59.86	-27.66	9.447	217.27
76.20	80.0	Flexure	ksi	-34.01	-8.61	-2.57	9.878	227.18
76.20	80.0	Flexure	ksi	-34.20	-3.34	-1.60	14.798	340.35
82.25	86.4	Shear	kip	414.51	-68.54	-29.46	8.586	197.49
82.25	86.4	Flexure	ksi	-34.01	-8.61	-2.57	9.878	227.18
82.25	86.4	Flexure	ksi	-34.20	-6.77	-1.73	12.185	280.26
85.72	90.0	Shear	kip	518.17	-73.79	-30.31	10.811	248.66
85.72	90.0	Flexure	ksi	-34.01	-8.61	-2.57	9.878	227.18
85.72	90.0	Flexure	ksi	-34.20	-6.26	-1.30	16.557	380.81
95.25	100.0	Shear	kip	390.83	86.57	32.35	6.721	154.58
95.25	100.0	Flexure	ksi	-35.94	-14.01	-2.47	8.863	203.85
95.25	100.0	Flexure	ksi	-34.20	-11.03	-1.68	10.639	244.70

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	27.43	12.130	279.00
11.90	10.0	Flexure	ksi	-34.39	-11.12	-2.33	9.976	229.44
11.90	10.0	Flexure	ksi	-34.20	-5.33	-1.42	15.661	360.21
13.00	10.9	Shear	kip	414.51	66.88	27.10	9.395	216.07
13.00	10.9	Flexure	ksi	-34.39	-11.12	-2.33	9.976	229.44
13.00	10.9	Flexure	ksi	-34.20	-6.96	-1.94	10.807	248.57
23.50	19.7	Shear	kip	424.98	51.74	23.71	11.687	268.80
23.50	19.7	Flexure	ksi	-34.71	-6.48	-2.73	10.325	237.46
23.50	19.7	Flexure	ksi	34.20	-1.47	2.16	12.729	292.78
23.80	20.0	Shear	kip	404.69	51.31	23.61	11.094	255.17
23.80	20.0	Flexure	ksi	-35.24	-6.48	-2.73	10.520	241.96
23.80	20.0	Flexure	ksi	34.20	-1.33	2.18	12.530	288.19
35.70	30.0	Shear	kip	395.43	34.15	19.39	13.991	321.79
35.70	30.0	Flexure	ksi	36.00	3.97	3.93	8.153	187.52
35.70	30.0	Flexure	ksi	34.20	3.17	3.02	7.897	181.63
47.60	40.0	Shear	kip	395.43	17.00	15.03	19.146	440.35
47.60	40.0	Flexure	ksi	36.00	7.33	4.40	6.508	149.67

47.60	40.0	Flexure	ksi	34.20	5.87	3.39	6.432	147.94
59.50	50.0	Shear	kip	395.43	-0.15	-17.52	17.358	399.23
59.50	50.0	Flexure	ksi	36.00	8.44	4.24	6.505	149.61
59.50	50.0	Flexure	ksi	34.20	6.75	3.26	6.478	149.00
71.40	60.0	Shear	kip	395.43	-17.30	-21.94	13.105	301.42
71.40	60.0	Flexure	ksi	36.00	7.29	3.47	8.272	190.25
71.40	60.0	Flexure	ksi	34.20	5.83	2.67	8.174	187.99
83.30	70.0	Shear	kip	395.43	-34.45	-26.10	10.387	238.89
83.30	70.0	Flexure	ksi	36.00	3.88	2.27	14.152	325.50
83.30	70.0	Flexure	ksi	34.20	3.11	1.75	13.701	315.13
95.20	80.0	Shear	kip	404.69	-51.61	-29.63	8.832	203.13
95.20	80.0	Flexure	ksi	-35.24	-4.27	-2.69	11.519	264.95
95.20	80.0	Flexure	ksi	-34.20	-1.43	-1.30	19.318	444.32
95.50	80.3	Shear	kip	424.98	-52.04	-29.70	9.322	214.41
95.50	80.3	Flexure	ksi	-34.71	-4.27	-2.69	11.321	260.38
95.50	80.3	Flexure	ksi	-34.20	-1.57	-1.34	18.715	430.44
104.00	87.4	Shear	kip	414.51	-64.31	-31.60	8.133	187.06
104.00	87.4	Flexure	ksi	-34.39	-9.13	-3.78	6.683	153.71
104.00	87.4	Flexure	ksi	-34.20	-5.93	-2.47	8.797	202.34
107.10	90.0	Shear	kip	518.17	-68.99	-32.08	10.358	238.24
107.10	90.0	Flexure	ksi	-34.39	-9.13	-3.78	6.683	153.71
107.10	90.0	Flexure	ksi	-34.20	-5.42	-2.11	10.486	241.17
119.00	100.0	Shear	kip	390.83	87.04	33.55	6.467	148.74
119.00	100.0	Flexure	ksi	-35.94	-14.18	-5.18	4.201	96.62
119.00	100.0	Flexure	ksi	-34.20	-11.16	-3.51	5.052	116.21

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	69.01	30.62	10.852	249.59
11.90	10.0	Flexure	ksi	-35.94	-11.27	-4.39	5.625	129.36
11.90	10.0	Flexure	ksi	-34.20	-5.42	-2.11	10.479	241.02
15.00	12.6	Shear	kip	414.51	64.33	30.16	8.522	196.01
15.00	12.6	Flexure	ksi	-34.71	-11.27	-4.39	5.344	122.90
15.00	12.6	Flexure	ksi	-34.20	-5.93	-2.47	8.793	202.23
23.50	19.7	Shear	kip	424.98	52.06	28.56	9.693	222.93
23.50	19.7	Flexure	ksi	-34.71	-6.64	-3.40	8.251	189.78
23.50	19.7	Flexure	ksi	-34.20	-1.57	-1.34	18.713	430.41
23.80	20.0	Shear	kip	404.69	51.63	28.50	9.182	211.18
23.80	20.0	Flexure	ksi	-35.24	-6.64	-3.40	8.408	193.39

23.80	20.0	Flexure	ksi	-34.20	-1.43	-1.30	19.319	444.34
35.70	30.0	Shear	kip	395.43	34.48	25.42	10.660	245.18
35.70	30.0	Flexure	ksi	36.00	3.88	2.27	14.121	324.78
35.70	30.0	Flexure	ksi	34.20	3.11	1.75	13.671	314.43
47.60	40.0	Shear	kip	395.43	17.32	21.66	13.277	305.36
47.60	40.0	Flexure	ksi	36.00	7.29	3.47	8.264	190.07
47.60	40.0	Flexure	ksi	34.20	5.83	2.67	8.166	187.81
59.50	50.0	Shear	kip	395.43	0.17	17.52	17.355	399.16
59.50	50.0	Flexure	ksi	36.00	8.44	4.24	6.501	149.52
59.50	50.0	Flexure	ksi	34.20	6.75	3.26	6.475	148.92
71.40	60.0	Shear	kip	395.43	-16.98	-15.23	18.895	434.59
71.40	60.0	Flexure	ksi	36.00	7.33	4.40	6.511	149.75
71.40	60.0	Flexure	ksi	34.20	5.87	3.39	6.435	148.01
83.30	70.0	Shear	kip	395.43	-34.13	-19.91	13.630	313.49
83.30	70.0	Flexure	ksi	36.00	3.97	3.93	8.159	187.65
83.30	70.0	Flexure	ksi	34.20	3.17	3.02	7.902	181.75
95.20	80.0	Shear	kip	404.69	-51.28	-24.55	10.670	245.42
95.20	80.0	Flexure	ksi	-35.24	-4.13	-2.57	12.091	278.09
95.20	80.0	Flexure	ksi	34.20	-1.33	2.18	12.547	288.58
95.50	80.3	Shear	kip	424.98	-51.71	-24.66	11.240	258.52
95.50	80.3	Flexure	ksi	-34.71	-4.13	-2.57	11.883	273.31
95.50	80.3	Flexure	ksi	34.20	-1.47	2.15	12.746	293.16
106.00	89.1	Shear	kip	414.51	-66.86	-28.38	8.969	206.29
106.00	89.1	Flexure	ksi	-34.39	-8.85	-2.88	8.883	204.31
106.00	89.1	Flexure	ksi	-34.20	-6.96	-1.94	10.824	248.95
107.10	90.0	Shear	kip	518.17	-68.52	-28.73	11.580	266.35
107.10	90.0	Flexure	ksi	-34.39	-8.85	-2.88	8.883	204.31
107.10	90.0	Flexure	ksi	-34.20	-5.33	-1.42	15.686	360.77
119.00	100.0	Shear	kip	390.83	88.27	32.79	6.580	151.35
119.00	100.0	Flexure	ksi	-35.94	-14.01	-2.47	8.877	204.17
119.00	100.0	Flexure	ksi	-34.20	-11.03	-1.67	10.656	245.08

Span 4

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	29.01	11.293	259.75
9.52	10.0	Flexure	ksi	-34.08	-11.06	-2.03	11.335	260.72
9.52	10.0	Flexure	ksi	-34.20	-6.26	-1.30	16.560	380.87
13.00	13.6	Shear	kip	414.51	68.57	28.20	8.968	206.27
13.00	13.6	Flexure	ksi	-34.08	-11.06	-2.03	11.335	260.72

13.00	13.6	Flexure	ksi	-34.20	-6.77	-1.73	12.187	280.31
19.05	20.0	Shear	kip	414.51	59.81	26.66	9.802	225.45
19.05	20.0	Flexure	ksi	-34.71	-5.53	-2.44	11.949	274.84
19.05	20.0	Flexure	ksi	-34.20	-3.33	-1.60	14.801	340.42
23.50	24.7	Shear	kip	424.98	53.43	25.43	10.836	249.22
23.50	24.7	Flexure	ksi	-34.71	-5.53	-2.44	11.949	274.84
23.50	24.7	Flexure	ksi	34.20	-1.11	2.17	12.536	288.33
28.58	30.0	Shear	kip	395.43	46.15	23.91	10.865	249.90
28.58	30.0	Flexure	ksi	36.00	1.41	3.45	10.018	230.41
28.58	30.0	Flexure	ksi	34.20	1.13	2.66	9.578	220.29
38.10	40.0	Shear	kip	395.43	32.40	20.81	13.120	301.76
38.10	40.0	Flexure	ksi	36.00	5.55	4.44	6.863	157.86
38.10	40.0	Flexure	ksi	34.20	4.44	3.41	6.708	154.28
47.63	50.0	Shear	kip	395.43	18.66	17.46	16.396	377.10
47.63	50.0	Flexure	ksi	36.00	8.24	5.03	5.516	126.86
47.63	50.0	Flexure	ksi	34.20	6.59	3.87	5.486	126.17
57.15	60.0	Shear	kip	395.43	4.92	-14.39	21.464	493.67
57.15	60.0	Flexure	ksi	36.00	9.49	5.17	5.129	117.97
57.15	60.0	Flexure	ksi	34.20	7.59	3.98	5.148	118.40
66.68	70.0	Shear	kip	395.43	-8.75	-18.29	16.169	371.89
66.68	70.0	Flexure	ksi	36.00	9.29	4.78	5.587	128.51
66.68	70.0	Flexure	ksi	34.20	7.43	3.68	5.599	128.79
76.20	80.0	Shear	kip	395.43	-22.49	-22.48	12.567	289.04
76.20	80.0	Flexure	ksi	36.00	7.64	3.87	7.328	168.53
76.20	80.0	Flexure	ksi	34.20	6.11	2.98	7.257	166.91
85.72	90.0	Shear	kip	395.43	-36.24	-26.92	10.006	230.13
85.72	90.0	Flexure	ksi	36.00	4.54	2.29	13.740	316.01
85.72	90.0	Flexure	ksi	34.20	3.63	1.76	13.350	307.05
95.25	100.0	Shear	kip	469.80	-49.98	-31.54	9.934	228.49
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2277.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2277.00

Detailed Rating Results
Wizard Alternative
OH-4F1
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

Location	Legal Rating	Legal Load Rating

(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	33.86	4.473	120.76
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2673.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2673.00
9.52	10.0	Shear	kip	395.43	36.19	29.13	9.248	249.69
9.52	10.0	Flexure	ksi	36.00	4.54	2.60	12.094	326.54
9.52	10.0	Flexure	ksi	34.20	3.63	2.00	11.751	317.28
19.05	20.0	Shear	kip	395.43	22.52	24.51	11.529	311.28
19.05	20.0	Flexure	ksi	36.00	7.64	4.38	6.481	174.98
19.05	20.0	Flexure	ksi	34.20	6.11	3.37	6.419	173.30
28.58	30.0	Shear	kip	395.43	8.78	20.06	14.743	398.06
28.58	30.0	Flexure	ksi	36.00	9.28	5.50	4.854	131.06
28.58	30.0	Flexure	ksi	34.20	7.43	4.23	4.864	131.34
38.10	40.0	Shear	kip	395.43	-4.96	15.85	19.487	526.15
38.10	40.0	Flexure	ksi	36.00	9.49	5.92	4.480	120.97
38.10	40.0	Flexure	ksi	34.20	7.59	4.55	4.497	121.41
47.63	50.0	Shear	kip	395.43	-18.63	-19.60	14.602	394.25
47.63	50.0	Flexure	ksi	36.00	8.24	5.76	4.823	130.21
47.63	50.0	Flexure	ksi	34.20	6.59	4.43	4.796	129.50
57.15	60.0	Shear	kip	395.43	-32.37	-23.90	11.427	308.52
57.15	60.0	Flexure	ksi	36.00	5.55	5.09	5.978	161.40
57.15	60.0	Flexure	ksi	34.20	4.44	3.92	5.842	157.74
66.68	70.0	Shear	kip	395.43	-46.12	-28.00	9.280	250.56
66.68	70.0	Flexure	ksi	36.00	1.41	3.96	8.727	235.62
66.68	70.0	Flexure	ksi	34.20	1.13	3.05	8.344	225.28
71.75	75.3	Shear	kip	424.98	-53.40	-30.23	9.116	246.12
71.75	75.3	Flexure	ksi	36.00	-1.39	3.21	11.641	314.29
71.75	75.3	Flexure	ksi	34.20	-1.11	2.47	10.994	296.83
76.20	80.0	Shear	kip	414.51	-59.86	-31.78	8.221	221.96
76.20	80.0	Flexure	ksi	-34.01	-8.61	-3.00	8.468	228.64
76.20	80.0	Flexure	ksi	-34.20	-3.34	-1.87	12.686	342.54
82.25	86.4	Shear	kip	414.51	-68.54	-33.95	7.450	201.14
82.25	86.4	Flexure	ksi	-34.01	-8.61	-3.00	8.468	228.64
82.25	86.4	Flexure	ksi	-34.20	-6.77	-2.02	10.447	282.06
85.72	90.0	Shear	kip	518.17	-73.79	-34.99	9.365	252.86
85.72	90.0	Flexure	ksi	-34.01	-8.61	-3.00	8.468	228.64
85.72	90.0	Flexure	ksi	-34.20	-6.26	-1.51	14.195	383.25
95.25	100.0	Shear	kip	390.83	86.57	37.32	5.825	157.26
95.25	100.0	Flexure	ksi	-35.94	-14.01	-2.89	7.596	205.08
95.25	100.0	Flexure	ksi	-34.20	-11.03	-1.95	9.118	246.18

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	31.46	10.574	285.49
11.90	10.0	Flexure	ksi	-34.39	-11.12	-2.72	8.549	230.82
11.90	10.0	Flexure	ksi	-34.20	-5.33	-1.65	13.422	362.38
13.00	10.9	Shear	kip	414.51	66.88	31.07	8.194	221.23
13.00	10.9	Flexure	ksi	-34.39	-11.12	-2.72	8.549	230.82
13.00	10.9	Flexure	ksi	-34.20	-6.96	-2.26	9.262	250.07
23.50	19.7	Shear	kip	424.98	51.74	27.02	10.256	276.92
23.50	19.7	Flexure	ksi	-34.71	-6.48	-3.19	8.848	238.89
23.50	19.7	Flexure	ksi	34.20	-1.47	2.45	11.179	301.83
23.80	20.0	Shear	kip	404.69	51.31	26.90	9.738	262.93
23.80	20.0	Flexure	ksi	-35.24	-6.48	-3.19	9.015	243.42
23.80	20.0	Flexure	ksi	34.20	-1.33	2.48	11.000	296.99
35.70	30.0	Shear	kip	395.43	34.15	21.91	12.381	334.30
35.70	30.0	Flexure	ksi	36.00	3.97	4.49	7.134	192.63
35.70	30.0	Flexure	ksi	34.20	3.17	3.45	6.910	186.57
47.60	40.0	Shear	kip	395.43	17.00	16.81	17.118	462.18
47.60	40.0	Flexure	ksi	36.00	7.33	5.01	5.718	154.39
47.60	40.0	Flexure	ksi	34.20	5.87	3.86	5.652	152.59
59.50	50.0	Shear	kip	395.43	-0.15	-19.71	15.426	416.50
59.50	50.0	Flexure	ksi	36.00	8.44	4.83	5.702	153.97
59.50	50.0	Flexure	ksi	34.20	6.75	3.72	5.679	153.34
71.40	60.0	Shear	kip	395.43	-17.30	-24.94	11.531	311.34
71.40	60.0	Flexure	ksi	36.00	7.29	3.96	7.257	195.94
71.40	60.0	Flexure	ksi	34.20	5.83	3.04	7.171	193.61
83.30	70.0	Shear	kip	395.43	-34.45	-29.90	9.066	244.78
83.30	70.0	Flexure	ksi	36.00	3.88	2.54	12.654	341.67
83.30	70.0	Flexure	ksi	34.20	3.11	1.95	12.251	330.78
95.20	80.0	Shear	kip	404.69	-51.61	-34.19	7.655	206.68
95.20	80.0	Flexure	ksi	-35.24	-4.27	-3.13	9.882	266.82
95.20	80.0	Flexure	ksi	-34.20	-1.43	-1.52	16.577	447.57
95.50	80.3	Shear	kip	424.98	-52.04	-34.27	8.079	218.13
95.50	80.3	Flexure	ksi	-34.71	-4.27	-3.13	9.712	262.22
95.50	80.3	Flexure	ksi	-34.20	-1.57	-1.56	16.060	433.63
104.00	87.4	Shear	kip	414.51	-64.31	-36.65	7.013	189.34
104.00	87.4	Flexure	ksi	-34.39	-9.13	-4.41	5.723	154.53
104.00	87.4	Flexure	ksi	-34.20	-5.93	-2.89	7.533	203.39
107.10	90.0	Shear	kip	518.17	-68.99	-37.26	8.918	240.80
107.10	90.0	Flexure	ksi	-34.39	-9.13	-4.41	5.723	154.53

107.10	90.0	Flexure	ksi	-34.20	-5.42	-2.46	8.980	242.47
119.00	100.0	Shear	kip	390.83	87.04	39.19	5.536	149.46
119.00	100.0	Flexure	ksi	-35.94	-14.18	-6.05	3.594	97.03
119.00	100.0	Flexure	ksi	-34.20	-11.16	-4.10	4.322	116.70

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	69.01	35.55	9.345	252.32
11.90	10.0	Flexure	ksi	-35.94	-11.27	-5.12	4.813	129.96
11.90	10.0	Flexure	ksi	-34.20	-5.42	-2.46	8.982	242.50
15.00	12.6	Shear	kip	414.51	64.33	34.97	7.348	198.41
15.00	12.6	Flexure	ksi	-34.71	-11.27	-5.12	4.573	123.47
15.00	12.6	Flexure	ksi	-34.20	-5.93	-2.89	7.537	203.50
23.50	19.7	Shear	kip	424.98	52.06	32.95	8.401	226.83
23.50	19.7	Flexure	ksi	-34.71	-6.64	-3.97	7.067	190.80
23.50	19.7	Flexure	ksi	-34.20	-1.57	-1.56	16.055	433.48
23.80	20.0	Shear	kip	404.69	51.63	32.87	7.960	214.91
23.80	20.0	Flexure	ksi	-35.24	-6.64	-3.97	7.201	194.43
23.80	20.0	Flexure	ksi	-34.20	-1.43	-1.52	16.571	447.42
35.70	30.0	Shear	kip	395.43	34.48	29.12	9.306	251.27
35.70	30.0	Flexure	ksi	36.00	3.88	2.54	12.642	341.34
35.70	30.0	Flexure	ksi	34.20	3.11	1.95	12.239	330.46
47.60	40.0	Shear	kip	395.43	17.32	24.61	11.683	315.45
47.60	40.0	Flexure	ksi	36.00	7.29	3.96	7.255	195.87
47.60	40.0	Flexure	ksi	34.20	5.83	3.04	7.168	193.54
59.50	50.0	Shear	kip	395.43	0.17	19.71	15.424	416.45
59.50	50.0	Flexure	ksi	36.00	8.44	4.83	5.702	153.94
59.50	50.0	Flexure	ksi	34.20	6.75	3.72	5.679	153.32
71.40	60.0	Shear	kip	395.43	-16.98	-17.04	16.895	456.17
71.40	60.0	Flexure	ksi	36.00	7.33	5.01	5.719	154.41
71.40	60.0	Flexure	ksi	34.20	5.87	3.86	5.653	152.62
83.30	70.0	Shear	kip	395.43	-34.13	-22.50	12.062	325.67
83.30	70.0	Flexure	ksi	36.00	3.97	4.49	7.137	192.69
83.30	70.0	Flexure	ksi	34.20	3.17	3.45	6.912	186.63
95.20	80.0	Shear	kip	404.69	-51.28	-27.98	9.365	252.86
95.20	80.0	Flexure	ksi	-35.24	-4.13	-3.01	10.352	279.50
95.20	80.0	Flexure	ksi	34.20	-1.33	2.48	11.007	297.19
95.50	80.3	Shear	kip	424.98	-51.71	-28.10	9.863	266.31
95.50	80.3	Flexure	ksi	-34.71	-4.13	-3.01	10.174	274.70

95.50	80.3	Flexure	ksi	34.20	-1.47	2.45	11.188	302.08
106.00	89.1	Shear	kip	414.51	-66.86	-32.55	7.821	211.17
106.00	89.1	Flexure	ksi	-34.39	-8.85	-3.36	7.605	205.34
106.00	89.1	Flexure	ksi	-34.20	-6.96	-2.26	9.267	250.22
107.10	90.0	Shear	kip	518.17	-68.52	-32.97	10.093	272.50
107.10	90.0	Flexure	ksi	-34.39	-8.85	-3.36	7.605	205.34
107.10	90.0	Flexure	ksi	-34.20	-5.33	-1.65	13.430	362.61
119.00	100.0	Shear	kip	390.83	88.27	38.00	5.678	153.31
119.00	100.0	Flexure	ksi	-35.94	-14.01	-2.88	7.600	205.21
119.00	100.0	Flexure	ksi	-34.20	-11.03	-1.95	9.123	246.33

Span 4

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	33.49	9.782	264.13
9.52	10.0	Flexure	ksi	-34.08	-11.06	-2.37	9.715	262.30
9.52	10.0	Flexure	ksi	-34.20	-6.26	-1.51	14.192	383.18
13.00	13.6	Shear	kip	414.51	68.57	32.50	7.781	210.09
13.00	13.6	Flexure	ksi	-34.08	-11.06	-2.37	9.715	262.30
13.00	13.6	Flexure	ksi	-34.20	-6.77	-2.02	10.445	282.01
19.05	20.0	Shear	kip	414.51	59.81	30.64	8.530	230.30
19.05	20.0	Flexure	ksi	-34.71	-5.53	-2.85	10.241	276.50
19.05	20.0	Flexure	ksi	-34.20	-3.33	-1.87	12.685	342.48
23.50	24.7	Shear	kip	424.98	53.43	29.14	9.455	255.29
23.50	24.7	Flexure	ksi	-34.71	-5.53	-2.85	10.241	276.50
23.50	24.7	Flexure	ksi	34.20	-1.11	2.47	10.991	296.75
28.58	30.0	Shear	kip	395.43	46.15	27.32	9.509	256.75
28.58	30.0	Flexure	ksi	36.00	1.41	3.96	8.729	235.68
28.58	30.0	Flexure	ksi	34.20	1.13	3.05	8.346	225.34
38.10	40.0	Shear	kip	395.43	32.40	23.60	11.566	312.29
38.10	40.0	Flexure	ksi	36.00	5.55	5.10	5.976	161.36
38.10	40.0	Flexure	ksi	34.20	4.44	3.92	5.841	157.70
47.63	50.0	Shear	kip	395.43	18.66	19.61	14.599	394.18
47.63	50.0	Flexure	ksi	36.00	8.24	5.75	4.824	130.26
47.63	50.0	Flexure	ksi	34.20	6.59	4.43	4.798	129.55
57.15	60.0	Shear	kip	395.43	4.92	-16.05	19.245	519.61
57.15	60.0	Flexure	ksi	36.00	9.49	5.92	4.480	120.97
57.15	60.0	Flexure	ksi	34.20	7.59	4.55	4.497	121.42
66.68	70.0	Shear	kip	395.43	-8.75	-20.56	14.388	388.48
66.68	70.0	Flexure	ksi	36.00	9.29	5.50	4.854	131.06

66.68	70.0	Flexure	ksi	34.20	7.43	4.23	4.864	131.34
76.20	80.0	Shear	kip	395.43	-22.49	-25.42	11.115	300.11
76.20	80.0	Flexure	ksi	36.00	7.64	4.38	6.481	174.99
76.20	80.0	Flexure	ksi	34.20	6.11	3.37	6.419	173.31
85.72	90.0	Shear	kip	395.43	-36.24	-30.58	8.808	237.82
85.72	90.0	Flexure	ksi	36.00	4.54	2.60	12.095	326.56
85.72	90.0	Flexure	ksi	34.20	3.63	2.00	11.752	317.30
95.25	100.0	Shear	kip	469.80	-49.98	-35.97	8.710	235.17
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2673.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2673.00

Detailed Rating Results
Wizard Alternative
OH-5C1
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	38.12	3.973	158.91
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3960.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3960.00
9.52	10.0	Shear	kip	395.43	36.19	31.66	8.508	340.33
9.52	10.0	Flexure	ksi	36.00	4.54	2.83	11.127	445.06
9.52	10.0	Flexure	ksi	34.20	3.63	2.17	10.811	432.45
19.05	20.0	Shear	kip	395.43	22.52	25.53	11.066	442.64
19.05	20.0	Flexure	ksi	36.00	7.64	4.72	6.015	240.62
19.05	20.0	Flexure	ksi	34.20	6.11	3.63	5.958	238.31
28.58	30.0	Shear	kip	395.43	8.78	19.84	14.904	596.15
28.58	30.0	Flexure	ksi	36.00	9.28	5.90	4.527	181.07
28.58	30.0	Flexure	ksi	34.20	7.43	4.54	4.536	181.45
38.10	40.0	Shear	kip	395.43	-4.96	14.67	21.065	842.58
38.10	40.0	Flexure	ksi	36.00	9.49	6.23	4.259	170.37
38.10	40.0	Flexure	ksi	34.20	7.59	4.79	4.275	170.99
47.63	50.0	Shear	kip	395.43	-18.63	-17.16	16.686	667.44
47.63	50.0	Flexure	ksi	36.00	8.24	5.94	4.676	187.03
47.63	50.0	Flexure	ksi	34.20	6.59	4.57	4.650	186.01
57.15	60.0	Shear	kip	395.43	-32.37	-23.51	11.616	464.63

57.15	60.0	Flexure	ksi	36.00	5.55	5.37	5.676	227.02
57.15	60.0	Flexure	ksi	34.20	4.44	4.13	5.547	221.87
66.68	70.0	Shear	kip	395.43	-46.12	-30.10	8.631	345.25
66.68	70.0	Flexure	ksi	36.00	1.41	4.11	8.419	336.75
66.68	70.0	Flexure	ksi	34.20	1.13	3.16	8.049	321.96
71.75	75.3	Shear	kip	424.98	-53.40	-33.70	8.176	327.03
71.75	75.3	Flexure	ksi	-34.71	-2.55	-3.33	9.647	385.87
71.75	75.3	Flexure	ksi	34.20	-1.11	2.43	11.187	447.47
76.20	80.0	Shear	kip	414.51	-59.86	-36.43	7.173	286.93
76.20	80.0	Flexure	ksi	-34.01	-8.61	-3.73	6.820	272.79
76.20	80.0	Flexure	ksi	-34.20	-3.34	-2.32	10.217	408.68
82.25	86.4	Shear	kip	414.51	-68.54	-40.20	6.292	251.67
82.25	86.4	Flexure	ksi	-34.01	-8.61	-3.73	6.820	272.79
82.25	86.4	Flexure	ksi	-34.20	-6.77	-2.51	8.413	336.53
85.72	90.0	Shear	kip	518.17	-73.79	-42.13	7.778	311.11
85.72	90.0	Flexure	ksi	-34.01	-8.61	-3.73	6.820	272.79
85.72	90.0	Flexure	ksi	-34.20	-6.26	-1.88	11.431	457.26
95.25	100.0	Shear	kip	390.83	86.57	45.07	4.823	192.93
95.25	100.0	Flexure	ksi	-35.94	-14.01	-3.55	6.181	247.23
95.25	100.0	Flexure	ksi	-34.20	-11.03	-2.40	7.419	296.77

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	36.09	9.217	368.69
11.90	10.0	Flexure	ksi	-34.39	-11.12	-3.35	6.956	278.26
11.90	10.0	Flexure	ksi	-34.20	-5.33	-2.03	10.921	436.85
13.00	10.9	Shear	kip	414.51	66.88	35.46	7.179	287.15
13.00	10.9	Flexure	ksi	-34.39	-11.12	-3.35	6.956	278.26
13.00	10.9	Flexure	ksi	-34.20	-6.96	-2.78	7.536	301.46
23.50	19.7	Shear	kip	424.98	51.74	29.32	9.454	378.17
23.50	19.7	Flexure	ksi	-34.71	-6.48	-3.92	7.200	287.99
23.50	19.7	Flexure	ksi	-34.20	-1.47	-2.34	10.781	431.23
23.80	20.0	Shear	kip	404.69	51.31	29.14	8.990	359.61
23.80	20.0	Flexure	ksi	-35.24	-6.48	-3.92	7.336	293.44
23.80	20.0	Flexure	ksi	-34.20	-1.33	-2.32	10.886	435.45
35.70	30.0	Shear	kip	395.43	34.15	22.22	12.211	488.45
35.70	30.0	Flexure	ksi	36.00	3.97	4.63	6.924	276.97
35.70	30.0	Flexure	ksi	34.20	3.17	3.56	6.707	268.26
47.60	40.0	Shear	kip	395.43	17.00	15.80	18.219	728.75

47.60	40.0	Flexure	ksi	36.00	7.33	5.19	5.527	221.08
47.60	40.0	Flexure	ksi	34.20	5.87	3.99	5.463	218.51
59.50	50.0	Shear	kip	395.43	-0.15	-18.86	16.121	644.83
59.50	50.0	Flexure	ksi	36.00	8.44	5.00	5.508	220.34
59.50	50.0	Flexure	ksi	34.20	6.75	3.85	5.486	219.45
71.40	60.0	Shear	kip	395.43	-17.30	-26.08	11.026	441.05
71.40	60.0	Flexure	ksi	36.00	7.29	4.01	7.156	286.22
71.40	60.0	Flexure	ksi	34.20	5.83	3.09	7.070	282.82
83.30	70.0	Shear	kip	395.43	-34.45	-33.54	8.082	323.29
83.30	70.0	Flexure	ksi	36.00	3.88	2.22	14.480	579.21
83.30	70.0	Flexure	ksi	34.20	3.11	1.71	14.019	560.76
95.20	80.0	Shear	kip	404.69	-51.61	-40.70	6.430	257.21
95.20	80.0	Flexure	ksi	-35.24	-4.27	-3.73	8.310	332.41
95.20	80.0	Flexure	ksi	-34.20	-1.43	-1.74	14.495	579.81
95.50	80.3	Shear	kip	424.98	-52.04	-40.86	6.777	271.08
95.50	80.3	Flexure	ksi	-34.71	-4.27	-3.73	8.167	326.68
95.50	80.3	Flexure	ksi	-34.20	-1.57	-1.79	13.988	559.52
104.00	87.4	Shear	kip	414.51	-64.31	-45.42	5.659	226.35
104.00	87.4	Flexure	ksi	-34.39	-9.13	-5.58	4.523	180.93
104.00	87.4	Flexure	ksi	-34.20	-5.93	-3.55	6.122	244.87
107.10	90.0	Shear	kip	518.17	-68.99	-46.82	7.097	283.88
107.10	90.0	Flexure	ksi	-34.39	-9.13	-5.58	4.523	180.93
107.10	90.0	Flexure	ksi	-34.20	-5.42	-3.08	7.180	287.22
119.00	100.0	Shear	kip	390.83	87.04	51.92	4.178	167.14
119.00	100.0	Flexure	ksi	-35.94	-14.18	-7.84	2.777	111.06
119.00	100.0	Flexure	ksi	-34.20	-11.16	-5.31	3.339	133.58

Span 3

							Legal	Legal
Location							Rating	Load
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	Rating (Ton)
11.90	10.0	Shear	kip	518.17	69.01	44.69	7.434	297.36
11.90	10.0	Flexure	ksi	-35.94	-11.27	-6.56	3.760	150.41
11.90	10.0	Flexure	ksi	-34.20	-5.42	-3.08	7.199	287.94
15.00	12.6	Shear	kip	414.51	64.33	43.34	5.930	237.19
15.00	12.6	Flexure	ksi	-34.71	-11.27	-6.56	3.572	142.90
15.00	12.6	Flexure	ksi	-34.20	-5.93	-3.56	6.113	244.54
23.50	19.7	Shear	kip	424.98	52.06	39.29	7.046	281.82
23.50	19.7	Flexure	ksi	-34.71	-6.64	-4.86	5.777	231.07
23.50	19.7	Flexure	ksi	-34.20	-1.57	-1.80	13.978	559.13
23.80	20.0	Shear	kip	404.69	51.63	39.14	6.685	267.39

23.80	20.0	Flexure	ksi	-35.24	-6.64	-4.86	5.887	235.47
23.80	20.0	Flexure	ksi	-34.20	-1.43	-1.74	14.476	579.04
35.70	30.0	Shear	kip	395.43	34.48	32.67	8.296	331.83
35.70	30.0	Flexure	ksi	36.00	3.88	2.22	14.444	577.77
35.70	30.0	Flexure	ksi	34.20	3.11	1.71	13.984	559.36
47.60	40.0	Shear	kip	395.43	17.32	25.73	11.173	446.92
47.60	40.0	Flexure	ksi	36.00	7.29	4.01	7.166	286.63
47.60	40.0	Flexure	ksi	34.20	5.83	3.08	7.081	283.22
59.50	50.0	Shear	kip	395.43	0.17	18.85	16.126	645.02
59.50	50.0	Flexure	ksi	36.00	8.44	5.01	5.500	219.99
59.50	50.0	Flexure	ksi	34.20	6.75	3.85	5.478	219.10
71.40	60.0	Shear	kip	395.43	-16.98	-16.02	17.965	718.59
71.40	60.0	Flexure	ksi	36.00	7.33	5.18	5.535	221.39
71.40	60.0	Flexure	ksi	34.20	5.87	3.98	5.470	218.82
83.30	70.0	Shear	kip	395.43	-34.13	-22.82	11.892	475.66
83.30	70.0	Flexure	ksi	36.00	3.97	4.63	6.917	276.69
83.30	70.0	Flexure	ksi	34.20	3.17	3.56	6.700	267.99
95.20	80.0	Shear	kip	404.69	-51.28	-30.30	8.645	345.81
95.20	80.0	Flexure	ksi	-35.24	-4.13	-3.70	8.410	336.40
95.20	80.0	Flexure	ksi	-34.20	-1.33	-2.32	10.876	435.02
95.50	80.3	Shear	kip	424.98	-51.71	-30.49	9.091	363.66
95.50	80.3	Flexure	ksi	-34.71	-4.13	-3.70	8.266	330.62
95.50	80.3	Flexure	ksi	-34.20	-1.47	-2.34	10.770	430.81
106.00	89.1	Shear	kip	414.51	-66.86	-37.15	6.852	274.09
106.00	89.1	Flexure	ksi	-34.39	-8.85	-4.13	6.179	247.15
106.00	89.1	Flexure	ksi	-34.20	-6.96	-2.78	7.529	301.15
107.10	90.0	Shear	kip	518.17	-68.52	-37.81	8.799	351.95
107.10	90.0	Flexure	ksi	-34.39	-8.85	-4.13	6.179	247.15
107.10	90.0	Flexure	ksi	-34.20	-5.33	-2.04	10.911	436.42
119.00	100.0	Shear	kip	390.83	88.27	47.66	4.527	181.07
119.00	100.0	Flexure	ksi	-35.94	-14.01	-3.55	6.174	246.98
119.00	100.0	Flexure	ksi	-34.20	-11.03	-2.40	7.412	296.47

Span 4

Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	40.33	8.124	324.95
9.52	10.0	Flexure	ksi	-34.08	-11.06	-2.94	7.819	312.75
9.52	10.0	Flexure	ksi	-34.20	-6.26	-1.88	11.422	456.88
13.00	13.6	Shear	kip	414.51	68.57	38.49	6.571	262.85

13.00	13.6	Flexure	ksi	-34.08	-11.06	-2.94	7.819	312.75
13.00	13.6	Flexure	ksi	-34.20	-6.77	-2.51	8.406	336.25
19.05	20.0	Shear	kip	414.51	59.81	35.11	7.444	297.74
19.05	20.0	Flexure	ksi	-34.71	-5.53	-3.54	8.242	329.69
19.05	20.0	Flexure	ksi	-34.20	-3.33	-2.33	10.209	408.35
23.50	24.7	Shear	kip	424.98	53.43	32.49	8.480	339.20
23.50	24.7	Flexure	ksi	-34.71	-5.53	-3.54	8.242	329.69
23.50	24.7	Flexure	ksi	34.20	-1.11	2.43	11.189	447.56
28.58	30.0	Shear	kip	395.43	46.15	29.37	8.845	353.79
28.58	30.0	Flexure	ksi	-35.24	-5.53	-3.54	8.393	335.72
28.58	30.0	Flexure	ksi	34.20	1.13	3.16	8.051	322.05
38.10	40.0	Shear	kip	395.43	32.40	23.22	11.759	470.36
38.10	40.0	Flexure	ksi	36.00	5.55	5.37	5.672	226.86
38.10	40.0	Flexure	ksi	34.20	4.44	4.13	5.543	221.72
47.63	50.0	Shear	kip	395.43	18.66	17.16	16.684	667.35
47.63	50.0	Flexure	ksi	36.00	8.24	5.93	4.678	187.10
47.63	50.0	Flexure	ksi	34.20	6.59	4.57	4.652	186.08
57.15	60.0	Shear	kip	395.43	4.92	-14.85	20.796	831.85
57.15	60.0	Flexure	ksi	36.00	9.49	6.23	4.258	170.31
57.15	60.0	Flexure	ksi	34.20	7.59	4.79	4.273	170.94
66.68	70.0	Shear	kip	395.43	-8.75	-20.34	14.543	581.72
66.68	70.0	Flexure	ksi	36.00	9.29	5.90	4.527	181.07
66.68	70.0	Flexure	ksi	34.20	7.43	4.54	4.536	181.45
76.20	80.0	Shear	kip	395.43	-22.49	-26.49	10.668	426.70
76.20	80.0	Flexure	ksi	36.00	7.64	4.72	6.015	240.60
76.20	80.0	Flexure	ksi	34.20	6.11	3.63	5.957	238.29
85.72	90.0	Shear	kip	395.43	-36.24	-33.24	8.103	324.12
85.72	90.0	Flexure	ksi	36.00	4.54	2.83	11.127	445.07
85.72	90.0	Flexure	ksi	34.20	3.63	2.17	10.811	432.45
95.25	100.0	Shear	kip	469.80	-49.98	-40.50	7.737	309.48
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3960.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3960.00

Detailed Rating Results**Wizard Alternative****SU4****Axle Load****Impact: As Requested****Lane: As Requested****Span 1**

Location	Legal Rating	Legal

								Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	34.20	4.429	119.57
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2673.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2673.00
9.52	10.0	Shear	kip	395.43	36.19	29.46	9.144	246.89
9.52	10.0	Flexure	ksi	36.00	4.54	2.63	11.958	322.87
9.52	10.0	Flexure	ksi	34.20	3.63	2.02	11.619	313.72
19.05	20.0	Shear	kip	395.43	22.52	24.83	11.379	307.25
19.05	20.0	Flexure	ksi	36.00	7.64	4.43	6.397	172.71
19.05	20.0	Flexure	ksi	34.20	6.11	3.41	6.335	171.05
28.58	30.0	Shear	kip	395.43	8.78	20.37	14.519	392.02
28.58	30.0	Flexure	ksi	36.00	9.28	5.51	4.849	130.91
28.58	30.0	Flexure	ksi	34.20	7.43	4.24	4.859	131.19
38.10	40.0	Shear	kip	395.43	-4.96	16.14	19.137	516.71
38.10	40.0	Flexure	ksi	36.00	9.49	5.95	4.459	120.39
38.10	40.0	Flexure	ksi	34.20	7.59	4.57	4.475	120.83
47.63	50.0	Shear	kip	395.43	-18.63	-19.90	14.388	388.49
47.63	50.0	Flexure	ksi	36.00	8.24	5.79	4.798	129.54
47.63	50.0	Flexure	ksi	34.20	6.59	4.45	4.771	128.83
57.15	60.0	Shear	kip	395.43	-32.37	-24.17	11.298	305.05
57.15	60.0	Flexure	ksi	36.00	5.55	5.11	5.957	160.84
57.15	60.0	Flexure	ksi	34.20	4.44	3.93	5.822	157.19
66.68	70.0	Shear	kip	395.43	-46.12	-28.25	9.199	248.37
66.68	70.0	Flexure	ksi	36.00	1.41	3.98	8.699	234.87
66.68	70.0	Flexure	ksi	34.20	1.13	3.06	8.317	224.56
71.75	75.3	Shear	kip	424.98	-53.40	-30.46	9.045	244.23
71.75	75.3	Flexure	ksi	36.00	-1.39	3.23	11.590	312.93
71.75	75.3	Flexure	ksi	34.20	-1.11	2.48	10.946	295.54
76.20	80.0	Shear	kip	414.51	-59.86	-32.00	8.165	220.45
76.20	80.0	Flexure	ksi	-34.01	-8.61	-3.00	8.474	228.80
76.20	80.0	Flexure	ksi	-34.20	-3.34	-1.87	12.695	342.77
82.25	86.4	Shear	kip	414.51	-68.54	-34.15	7.407	200.00
82.25	86.4	Flexure	ksi	-34.01	-8.61	-3.00	8.474	228.80
82.25	86.4	Flexure	ksi	-34.20	-6.77	-2.02	10.454	282.25
85.72	90.0	Shear	kip	518.17	-73.79	-35.17	9.317	251.55
85.72	90.0	Flexure	ksi	-34.01	-8.61	-3.00	8.474	228.80
85.72	90.0	Flexure	ksi	-34.20	-6.26	-1.51	14.204	383.51
95.25	100.0	Shear	kip	390.83	86.57	37.52	5.793	156.42
95.25	100.0	Flexure	ksi	-35.94	-14.01	-2.88	7.600	205.21
95.25	100.0	Flexure	ksi	-34.20	-11.03	-1.95	9.124	246.33

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	31.70	10.496	283.39
11.90	10.0	Flexure	ksi	-34.39	-11.12	-2.72	8.554	230.97
11.90	10.0	Flexure	ksi	-34.20	-5.33	-1.65	13.430	362.62
13.00	10.9	Shear	kip	414.51	66.88	31.30	8.132	219.56
13.00	10.9	Flexure	ksi	-34.39	-11.12	-2.72	8.554	230.97
13.00	10.9	Flexure	ksi	-34.20	-6.96	-2.26	9.268	250.23
23.50	19.7	Shear	kip	424.98	51.74	27.29	10.156	274.20
23.50	19.7	Flexure	ksi	-34.71	-6.48	-3.19	8.854	239.05
23.50	19.7	Flexure	ksi	34.20	-1.47	2.47	11.120	300.24
23.80	20.0	Shear	kip	404.69	51.31	27.17	9.642	260.32
23.80	20.0	Flexure	ksi	-35.24	-6.48	-3.19	9.021	243.57
23.80	20.0	Flexure	ksi	34.20	-1.33	2.50	10.942	295.43
35.70	30.0	Shear	kip	395.43	34.15	22.20	12.221	329.98
35.70	30.0	Flexure	ksi	36.00	3.97	4.51	7.098	191.63
35.70	30.0	Flexure	ksi	34.20	3.17	3.47	6.875	185.61
47.60	40.0	Shear	kip	395.43	17.00	17.10	16.831	454.43
47.60	40.0	Flexure	ksi	36.00	7.33	5.05	5.678	153.32
47.60	40.0	Flexure	ksi	34.20	5.87	3.88	5.612	151.54
59.50	50.0	Shear	kip	395.43	-0.15	-20.00	15.205	410.54
59.50	50.0	Flexure	ksi	36.00	8.44	4.86	5.669	153.06
59.50	50.0	Flexure	ksi	34.20	6.75	3.74	5.646	152.44
71.40	60.0	Shear	kip	395.43	-17.30	-25.20	11.408	308.03
71.40	60.0	Flexure	ksi	36.00	7.29	3.98	7.216	194.83
71.40	60.0	Flexure	ksi	34.20	5.83	3.06	7.130	192.51
83.30	70.0	Shear	kip	395.43	-34.45	-30.13	8.996	242.89
83.30	70.0	Flexure	ksi	36.00	3.88	2.57	12.515	337.91
83.30	70.0	Flexure	ksi	34.20	3.11	1.97	12.116	327.14
95.20	80.0	Shear	kip	404.69	-51.61	-34.36	7.615	205.61
95.20	80.0	Flexure	ksi	-35.24	-4.27	-3.13	9.890	267.02
95.20	80.0	Flexure	ksi	-34.20	-1.43	-1.52	16.597	448.12
95.50	80.3	Shear	kip	424.98	-52.04	-34.45	8.037	217.01
95.50	80.3	Flexure	ksi	-34.71	-4.27	-3.13	9.719	262.41
95.50	80.3	Flexure	ksi	-34.20	-1.57	-1.56	16.087	434.36
104.00	87.4	Shear	kip	414.51	-64.31	-36.78	6.989	188.69
104.00	87.4	Flexure	ksi	-34.39	-9.13	-4.41	5.729	154.69
104.00	87.4	Flexure	ksi	-34.20	-5.93	-2.88	7.543	203.67

107.10	90.0	Shear	kip	518.17	-68.99	-37.36	8.893	240.12
107.10	90.0	Flexure	ksi	-34.39	-9.13	-4.41	5.729	154.69
107.10	90.0	Flexure	ksi	-34.20	-5.42	-2.46	8.992	242.79
119.00	100.0	Shear	kip	390.83	87.04	39.23	5.531	149.33
119.00	100.0	Flexure	ksi	-35.94	-14.18	-6.05	3.596	97.09
119.00	100.0	Flexure	ksi	-34.20	-11.16	-4.10	4.325	116.78

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	69.01	35.66	9.318	251.57
11.90	10.0	Flexure	ksi	-35.94	-11.27	-5.12	4.818	130.09
11.90	10.0	Flexure	ksi	-34.20	-5.42	-2.46	8.986	242.62
15.00	12.6	Shear	kip	414.51	64.33	35.09	7.324	197.74
15.00	12.6	Flexure	ksi	-34.71	-11.27	-5.12	4.577	123.59
15.00	12.6	Flexure	ksi	-34.20	-5.93	-2.88	7.544	203.70
23.50	19.7	Shear	kip	424.98	52.06	33.13	8.357	225.64
23.50	19.7	Flexure	ksi	-34.71	-6.64	-3.97	7.075	191.03
23.50	19.7	Flexure	ksi	-34.20	-1.57	-1.56	16.076	434.04
23.80	20.0	Shear	kip	404.69	51.63	33.05	7.917	213.77
23.80	20.0	Flexure	ksi	-35.24	-6.64	-3.97	7.210	194.66
23.80	20.0	Flexure	ksi	-34.20	-1.43	-1.52	16.600	448.20
35.70	30.0	Shear	kip	395.43	34.48	29.35	9.233	249.30
35.70	30.0	Flexure	ksi	36.00	3.88	2.57	12.489	337.21
35.70	30.0	Flexure	ksi	34.20	3.11	1.98	12.091	326.46
47.60	40.0	Shear	kip	395.43	17.32	24.88	11.558	312.07
47.60	40.0	Flexure	ksi	36.00	7.29	3.98	7.209	194.65
47.60	40.0	Flexure	ksi	34.20	5.83	3.06	7.124	192.34
59.50	50.0	Shear	kip	395.43	0.17	20.00	15.203	410.48
59.50	50.0	Flexure	ksi	36.00	8.44	4.86	5.666	152.98
59.50	50.0	Flexure	ksi	34.20	6.75	3.74	5.643	152.37
71.40	60.0	Shear	kip	395.43	-16.98	-17.33	16.611	448.50
71.40	60.0	Flexure	ksi	36.00	7.33	5.05	5.681	153.39
71.40	60.0	Flexure	ksi	34.20	5.87	3.88	5.615	151.61
83.30	70.0	Shear	kip	395.43	-34.13	-22.79	11.906	321.47
83.30	70.0	Flexure	ksi	36.00	3.97	4.51	7.102	191.76
83.30	70.0	Flexure	ksi	34.20	3.17	3.47	6.879	185.74
95.20	80.0	Shear	kip	404.69	-51.28	-28.25	9.273	250.37
95.20	80.0	Flexure	ksi	-35.24	-4.13	-3.00	10.364	279.84
95.20	80.0	Flexure	ksi	34.20	-1.33	2.49	10.956	295.81

95.50	80.3	Shear	kip	424.98	-51.71	-28.38	9.767	263.71
95.50	80.3	Flexure	ksi	-34.71	-4.13	-3.00	10.186	275.03
95.50	80.3	Flexure	ksi	34.20	-1.47	2.46	11.135	300.64
106.00	89.1	Shear	kip	414.51	-66.86	-32.80	7.762	209.58
106.00	89.1	Flexure	ksi	-34.39	-8.85	-3.35	7.615	205.59
106.00	89.1	Flexure	ksi	-34.20	-6.96	-2.26	9.279	250.52
107.10	90.0	Shear	kip	518.17	-68.52	-33.21	10.019	270.52
107.10	90.0	Flexure	ksi	-34.39	-8.85	-3.35	7.615	205.59
107.10	90.0	Flexure	ksi	-34.20	-5.33	-1.65	13.446	363.05
119.00	100.0	Shear	kip	390.83	88.27	38.15	5.656	152.70
119.00	100.0	Flexure	ksi	-35.94	-14.01	-2.88	7.609	205.46
119.00	100.0	Flexure	ksi	-34.20	-11.03	-1.95	9.134	246.63

Span 4

Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	33.66	9.732	262.77
9.52	10.0	Flexure	ksi	-34.08	-11.06	-2.37	9.726	262.61
9.52	10.0	Flexure	ksi	-34.20	-6.26	-1.51	14.209	383.64
13.00	13.6	Shear	kip	414.51	68.57	32.69	7.736	208.89
13.00	13.6	Flexure	ksi	-34.08	-11.06	-2.37	9.726	262.61
13.00	13.6	Flexure	ksi	-34.20	-6.77	-2.02	10.457	282.35
19.05	20.0	Shear	kip	414.51	59.81	30.85	8.472	228.74
19.05	20.0	Flexure	ksi	-34.71	-5.53	-2.85	10.253	276.83
19.05	20.0	Flexure	ksi	-34.20	-3.33	-1.87	12.700	342.89
23.50	24.7	Shear	kip	424.98	53.43	29.37	9.383	253.33
23.50	24.7	Flexure	ksi	-34.71	-5.53	-2.85	10.253	276.83
23.50	24.7	Flexure	ksi	34.20	-1.11	2.48	10.944	295.48
28.58	30.0	Shear	kip	395.43	46.15	27.56	9.427	254.53
28.58	30.0	Flexure	ksi	36.00	1.41	3.98	8.702	234.95
28.58	30.0	Flexure	ksi	34.20	1.13	3.06	8.320	224.63
38.10	40.0	Shear	kip	395.43	32.40	23.87	11.436	308.77
38.10	40.0	Flexure	ksi	36.00	5.55	5.11	5.954	160.76
38.10	40.0	Flexure	ksi	34.20	4.44	3.93	5.819	157.12
47.63	50.0	Shear	kip	395.43	18.66	19.90	14.386	388.43
47.63	50.0	Flexure	ksi	36.00	8.24	5.78	4.800	129.59
47.63	50.0	Flexure	ksi	34.20	6.59	4.45	4.773	128.88
57.15	60.0	Shear	kip	395.43	4.92	-16.35	18.898	510.24
57.15	60.0	Flexure	ksi	36.00	9.49	5.95	4.459	120.40
57.15	60.0	Flexure	ksi	34.20	7.59	4.57	4.476	120.84

66.68	70.0	Shear	kip	395.43	-8.75	-20.87	14.170	382.60
66.68	70.0	Flexure	ksi	36.00	9.29	5.51	4.848	130.91
66.68	70.0	Flexure	ksi	34.20	7.43	4.24	4.859	131.19
76.20	80.0	Shear	kip	395.43	-22.49	-25.75	10.971	296.21
76.20	80.0	Flexure	ksi	36.00	7.64	4.43	6.397	172.71
76.20	80.0	Flexure	ksi	34.20	6.11	3.41	6.335	171.05
85.72	90.0	Shear	kip	395.43	-36.24	-30.93	8.709	235.15
85.72	90.0	Flexure	ksi	36.00	4.54	2.63	11.959	322.89
85.72	90.0	Flexure	ksi	34.20	3.63	2.02	11.620	313.74
95.25	100.0	Shear	kip	469.80	-49.98	-36.33	8.625	232.86
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2673.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2673.00

Detailed Rating Results
Wizard Alternative
SU5
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal	Legal
							Rating	Load
Location								Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	38.42	3.943	122.22
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3069.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3069.00
9.52	10.0	Shear	kip	395.43	36.19	33.00	8.164	253.08
9.52	10.0	Flexure	ksi	36.00	4.54	2.95	10.676	330.96
9.52	10.0	Flexure	ksi	34.20	3.63	2.27	10.373	321.58
19.05	20.0	Shear	kip	395.43	22.52	27.71	10.195	316.06
19.05	20.0	Flexure	ksi	36.00	7.64	4.95	5.731	177.67
19.05	20.0	Flexure	ksi	34.20	6.11	3.81	5.676	175.96
28.58	30.0	Shear	kip	395.43	8.78	22.64	13.064	404.99
28.58	30.0	Flexure	ksi	36.00	9.28	6.19	4.319	133.90
28.58	30.0	Flexure	ksi	34.20	7.43	4.76	4.329	134.19
38.10	40.0	Shear	kip	395.43	-4.96	17.84	17.315	536.76
38.10	40.0	Flexure	ksi	36.00	9.49	6.64	3.996	123.87
38.10	40.0	Flexure	ksi	34.20	7.59	5.10	4.011	124.33
47.63	50.0	Shear	kip	395.43	-18.63	-22.06	12.978	402.32
47.63	50.0	Flexure	ksi	36.00	8.24	6.45	4.305	133.45

47.63	50.0	Flexure	ksi	34.20	6.59	4.96	4.281	132.72
57.15	60.0	Shear	kip	395.43	-32.37	-27.00	10.112	313.47
57.15	60.0	Flexure	ksi	36.00	5.55	5.71	5.329	165.20
57.15	60.0	Flexure	ksi	34.20	4.44	4.40	5.208	161.45
66.68	70.0	Shear	kip	395.43	-46.12	-31.74	8.187	253.79
66.68	70.0	Flexure	ksi	36.00	1.41	4.43	7.802	241.86
66.68	70.0	Flexure	ksi	34.20	1.13	3.41	7.459	231.24
71.75	75.3	Shear	kip	424.98	-53.40	-34.31	8.031	248.96
71.75	75.3	Flexure	ksi	36.00	-1.39	3.58	10.446	323.82
71.75	75.3	Flexure	ksi	34.20	-1.11	2.75	9.865	305.82
76.20	80.0	Shear	kip	414.51	-59.86	-36.11	7.235	224.29
76.20	80.0	Flexure	ksi	-34.01	-8.61	-3.41	7.446	230.83
76.20	80.0	Flexure	ksi	-34.20	-3.34	-2.13	11.155	345.81
82.25	86.4	Shear	kip	414.51	-68.54	-38.63	6.547	202.96
82.25	86.4	Flexure	ksi	-34.01	-8.61	-3.41	7.446	230.83
82.25	86.4	Flexure	ksi	-34.20	-6.77	-2.30	9.186	284.75
85.72	90.0	Shear	kip	518.17	-73.79	-39.83	8.226	255.01
85.72	90.0	Flexure	ksi	-34.01	-8.61	-3.41	7.446	230.83
85.72	90.0	Flexure	ksi	-34.20	-6.26	-1.72	12.481	386.91
95.25	100.0	Shear	kip	390.83	86.57	42.50	5.115	158.58
95.25	100.0	Flexure	ksi	-35.94	-14.01	-3.28	6.677	206.99
95.25	100.0	Flexure	ksi	-34.20	-11.03	-2.22	8.015	248.46

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	35.74	9.309	288.56
11.90	10.0	Flexure	ksi	-34.39	-11.12	-3.10	7.515	232.97
11.90	10.0	Flexure	ksi	-34.20	-5.33	-1.88	11.798	365.75
13.00	10.9	Shear	kip	414.51	66.88	35.28	7.215	223.67
13.00	10.9	Flexure	ksi	-34.39	-11.12	-3.10	7.515	232.97
13.00	10.9	Flexure	ksi	-34.20	-6.96	-2.57	8.142	252.39
23.50	19.7	Shear	kip	424.98	51.74	30.62	9.052	280.61
23.50	19.7	Flexure	ksi	-34.71	-6.48	-3.63	7.778	241.11
23.50	19.7	Flexure	ksi	34.20	-1.47	2.73	10.043	311.33
23.80	20.0	Shear	kip	404.69	51.31	30.48	8.595	266.44
23.80	20.0	Flexure	ksi	-35.24	-6.48	-3.63	7.925	245.68
23.80	20.0	Flexure	ksi	34.20	-1.33	2.77	9.878	306.22
35.70	30.0	Shear	kip	395.43	34.15	24.75	10.961	339.79
35.70	30.0	Flexure	ksi	36.00	3.97	5.03	6.373	197.57

35.70	30.0	Flexure	ksi	34.20	3.17	3.87	6.173	191.36
47.60	40.0	Shear	kip	395.43	17.00	18.92	15.209	471.48
47.60	40.0	Flexure	ksi	36.00	7.33	5.61	5.110	158.42
47.60	40.0	Flexure	ksi	34.20	5.87	4.31	5.051	156.58
59.50	50.0	Shear	kip	395.43	-0.15	-22.22	13.683	424.16
59.50	50.0	Flexure	ksi	36.00	8.44	5.41	5.096	157.98
59.50	50.0	Flexure	ksi	34.20	6.75	4.16	5.075	157.34
71.40	60.0	Shear	kip	395.43	-17.30	-28.22	10.191	315.91
71.40	60.0	Flexure	ksi	36.00	7.29	4.42	6.499	201.47
71.40	60.0	Flexure	ksi	34.20	5.83	3.40	6.422	199.07
83.30	70.0	Shear	kip	395.43	-34.45	-33.93	7.988	247.63
83.30	70.0	Flexure	ksi	36.00	3.88	2.80	11.486	356.07
83.30	70.0	Flexure	ksi	34.20	3.11	2.15	11.120	344.72
95.20	80.0	Shear	kip	404.69	-51.61	-38.90	6.727	208.54
95.20	80.0	Flexure	ksi	-35.24	-4.27	-3.56	8.704	269.83
95.20	80.0	Flexure	ksi	-34.20	-1.43	-1.72	14.619	453.20
95.50	80.3	Shear	kip	424.98	-52.04	-39.00	7.099	220.08
95.50	80.3	Flexure	ksi	-34.71	-4.27	-3.56	8.554	265.18
95.50	80.3	Flexure	ksi	-34.20	-1.57	-1.77	14.162	439.03
104.00	87.4	Shear	kip	414.51	-64.31	-41.78	6.152	190.72
104.00	87.4	Flexure	ksi	-34.39	-9.13	-5.03	5.024	155.76
104.00	87.4	Flexure	ksi	-34.20	-5.93	-3.28	6.621	205.25
107.10	90.0	Shear	kip	518.17	-68.99	-42.50	7.818	242.36
107.10	90.0	Flexure	ksi	-34.39	-9.13	-5.03	5.024	155.76
107.10	90.0	Flexure	ksi	-34.20	-5.42	-2.80	7.892	244.64
119.00	100.0	Shear	kip	390.83	87.04	44.83	4.839	150.02
119.00	100.0	Flexure	ksi	-35.94	-14.18	-6.91	3.151	97.69
119.00	100.0	Flexure	ksi	-34.20	-11.16	-4.68	3.790	117.49

Span 3

Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	69.01	40.56	8.191	253.91
11.90	10.0	Flexure	ksi	-35.94	-11.27	-5.84	4.224	130.95
11.90	10.0	Flexure	ksi	-34.20	-5.42	-2.81	7.887	244.50
15.00	12.6	Shear	kip	414.51	64.33	39.86	6.447	199.85
15.00	12.6	Flexure	ksi	-34.71	-11.27	-5.84	4.013	124.41
15.00	12.6	Flexure	ksi	-34.20	-5.93	-3.28	6.624	205.34
23.50	19.7	Shear	kip	424.98	52.06	37.51	7.382	228.83
23.50	19.7	Flexure	ksi	-34.71	-6.64	-4.51	6.221	192.85

23.50	19.7	Flexure	ksi	-34.20	-1.57	-1.77	14.145	438.51
23.80	20.0	Shear	kip	404.69	51.63	37.41	6.994	216.81
23.80	20.0	Flexure	ksi	-35.24	-6.64	-4.51	6.339	196.52
23.80	20.0	Flexure	ksi	-34.20	-1.43	-1.73	14.598	452.53
35.70	30.0	Shear	kip	395.43	34.48	33.06	8.199	254.17
35.70	30.0	Flexure	ksi	36.00	3.88	2.80	11.459	355.23
35.70	30.0	Flexure	ksi	34.20	3.11	2.16	11.094	343.91
47.60	40.0	Shear	kip	395.43	17.32	27.85	10.325	320.06
47.60	40.0	Flexure	ksi	36.00	7.29	4.42	6.492	201.26
47.60	40.0	Flexure	ksi	34.20	5.83	3.40	6.415	198.86
59.50	50.0	Shear	kip	395.43	0.17	22.22	13.681	424.12
59.50	50.0	Flexure	ksi	36.00	8.44	5.41	5.093	157.88
59.50	50.0	Flexure	ksi	34.20	6.75	4.16	5.072	157.24
71.40	60.0	Shear	kip	395.43	-16.98	-19.18	15.009	465.27
71.40	60.0	Flexure	ksi	36.00	7.33	5.61	5.113	158.51
71.40	60.0	Flexure	ksi	34.20	5.87	4.31	5.054	156.67
83.30	70.0	Shear	kip	395.43	-34.13	-25.41	10.678	331.01
83.30	70.0	Flexure	ksi	36.00	3.97	5.02	6.378	197.72
83.30	70.0	Flexure	ksi	34.20	3.17	3.86	6.178	191.50
95.20	80.0	Shear	kip	404.69	-51.28	-31.69	8.266	256.25
95.20	80.0	Flexure	ksi	-35.24	-4.13	-3.42	9.100	282.09
95.20	80.0	Flexure	ksi	34.20	-1.33	2.76	9.892	306.65
95.50	80.3	Shear	kip	424.98	-51.71	-31.84	8.706	269.87
95.50	80.3	Flexure	ksi	-34.71	-4.13	-3.42	8.943	277.24
95.50	80.3	Flexure	ksi	34.20	-1.47	2.73	10.055	311.71
106.00	89.1	Shear	kip	414.51	-66.86	-36.96	6.887	213.51
106.00	89.1	Flexure	ksi	-34.39	-8.85	-3.82	6.685	207.24
106.00	89.1	Flexure	ksi	-34.20	-6.96	-2.57	8.146	252.53
107.10	90.0	Shear	kip	518.17	-68.52	-37.44	8.886	275.46
107.10	90.0	Flexure	ksi	-34.39	-8.85	-3.82	6.685	207.24
107.10	90.0	Flexure	ksi	-34.20	-5.33	-1.88	11.805	365.96
119.00	100.0	Shear	kip	390.83	88.27	43.34	4.979	154.34
119.00	100.0	Flexure	ksi	-35.94	-14.01	-3.28	6.681	207.10
119.00	100.0	Flexure	ksi	-34.20	-11.03	-2.22	8.020	248.61

Span 4

Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	38.13	8.593	266.38
9.52	10.0	Flexure	ksi	-34.08	-11.06	-2.70	8.534	264.54

9.52	10.0	Flexure	ksi	-34.20	-6.26	-1.72	12.466	386.46
13.00	13.6	Shear	kip	414.51	68.57	36.98	6.839	212.02
13.00	13.6	Flexure	ksi	-34.08	-11.06	-2.70	8.534	264.54
13.00	13.6	Flexure	ksi	-34.20	-6.77	-2.30	9.175	284.43
19.05	20.0	Shear	kip	414.51	59.81	34.81	7.507	232.72
19.05	20.0	Flexure	ksi	-34.71	-5.53	-3.24	8.996	278.87
19.05	20.0	Flexure	ksi	-34.20	-3.33	-2.13	11.142	345.41
23.50	24.7	Shear	kip	424.98	53.43	33.08	8.330	258.23
23.50	24.7	Flexure	ksi	-34.71	-5.53	-3.24	8.996	278.87
23.50	24.7	Flexure	ksi	34.20	-1.11	2.75	9.862	305.74
28.58	30.0	Shear	kip	395.43	46.15	30.97	8.390	260.09
28.58	30.0	Flexure	ksi	36.00	1.41	4.43	7.802	241.87
28.58	30.0	Flexure	ksi	34.20	1.13	3.41	7.460	231.26
38.10	40.0	Shear	kip	395.43	32.40	26.67	10.236	317.31
38.10	40.0	Flexure	ksi	36.00	5.55	5.72	5.328	165.16
38.10	40.0	Flexure	ksi	34.20	4.44	4.40	5.207	161.41
47.63	50.0	Shear	kip	395.43	18.66	22.06	12.977	402.27
47.63	50.0	Flexure	ksi	36.00	8.24	6.45	4.306	133.49
47.63	50.0	Flexure	ksi	34.20	6.59	4.96	4.283	132.76
57.15	60.0	Shear	kip	395.43	4.92	-18.07	17.098	530.03
57.15	60.0	Flexure	ksi	36.00	9.49	6.64	3.996	123.87
57.15	60.0	Flexure	ksi	34.20	7.59	5.10	4.010	124.32
66.68	70.0	Shear	kip	395.43	-8.75	-23.20	12.750	395.24
66.68	70.0	Flexure	ksi	36.00	9.29	6.18	4.320	133.91
66.68	70.0	Flexure	ksi	34.20	7.43	4.76	4.329	134.20
76.20	80.0	Shear	kip	395.43	-22.49	-28.75	9.829	304.69
76.20	80.0	Flexure	ksi	36.00	7.64	4.95	5.731	177.66
76.20	80.0	Flexure	ksi	34.20	6.11	3.81	5.676	175.95
85.72	90.0	Shear	kip	395.43	-36.24	-34.64	7.775	241.04
85.72	90.0	Flexure	ksi	36.00	4.54	2.95	10.677	330.98
85.72	90.0	Flexure	ksi	34.20	3.63	2.27	10.374	321.60
95.25	100.0	Shear	kip	469.80	-49.98	-40.81	7.678	238.01
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3069.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3069.00

Detailed Rating Results
Wizard Alternative
SU6
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	41.45	3.654	126.98
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3440.25
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3440.25
9.52	10.0	Shear	kip	395.43	36.19	35.41	7.608	264.39
9.52	10.0	Flexure	ksi	36.00	4.54	3.18	9.896	343.88
9.52	10.0	Flexure	ksi	34.20	3.63	2.45	9.615	334.14
19.05	20.0	Shear	kip	395.43	22.52	29.54	9.564	332.34
19.05	20.0	Flexure	ksi	36.00	7.64	5.50	5.155	179.12
19.05	20.0	Flexure	ksi	34.20	6.11	4.23	5.105	177.40
28.58	30.0	Shear	kip	395.43	8.78	23.93	12.360	429.50
28.58	30.0	Flexure	ksi	36.00	9.28	6.82	3.915	136.05
28.58	30.0	Flexure	ksi	34.20	7.43	5.25	3.923	136.34
38.10	40.0	Shear	kip	395.43	-4.96	18.66	16.556	575.31
38.10	40.0	Flexure	ksi	36.00	9.49	7.38	3.594	124.89
38.10	40.0	Flexure	ksi	34.20	7.59	5.68	3.607	125.34
47.63	50.0	Shear	kip	395.43	-18.63	-23.26	12.308	427.69
47.63	50.0	Flexure	ksi	36.00	8.24	7.17	3.869	134.45
47.63	50.0	Flexure	ksi	34.20	6.59	5.52	3.848	133.72
57.15	60.0	Shear	kip	395.43	-32.37	-28.88	9.454	328.51
57.15	60.0	Flexure	ksi	36.00	5.55	6.32	4.820	167.48
57.15	60.0	Flexure	ksi	34.20	4.44	4.86	4.710	163.68
66.68	70.0	Shear	kip	395.43	-46.12	-34.30	7.575	263.24
66.68	70.0	Flexure	ksi	36.00	1.41	4.87	7.107	246.96
66.68	70.0	Flexure	ksi	34.20	1.13	3.74	6.795	236.12
71.75	75.3	Shear	kip	424.98	-53.40	-37.24	7.399	257.12
71.75	75.3	Flexure	ksi	-34.71	-2.55	-3.41	9.419	327.31
71.75	75.3	Flexure	ksi	34.20	-1.11	3.01	9.026	313.67
76.20	80.0	Shear	kip	414.51	-59.86	-39.33	6.643	230.86
76.20	80.0	Flexure	ksi	-34.01	-8.61	-3.82	6.659	231.39
76.20	80.0	Flexure	ksi	-34.20	-3.34	-2.38	9.976	346.65
82.25	86.4	Shear	kip	414.51	-68.54	-42.26	5.986	208.01
82.25	86.4	Flexure	ksi	-34.01	-8.61	-3.82	6.659	231.39
82.25	86.4	Flexure	ksi	-34.20	-6.77	-2.57	8.214	285.45
85.72	90.0	Shear	kip	518.17	-73.79	-43.66	7.504	260.77
85.72	90.0	Flexure	ksi	-34.01	-8.61	-3.82	6.659	231.39
85.72	90.0	Flexure	ksi	-34.20	-6.26	-1.93	11.161	387.86
95.25	100.0	Shear	kip	390.83	86.57	46.56	4.669	162.24
95.25	100.0	Flexure	ksi	-35.94	-14.01	-3.67	5.973	207.55

95.25	100.0	Flexure	ksi	-34.20	-11.03	-2.49	7.170	249.14
Span 2								
Location							Legal	Legal
							Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	38.86	8.562	297.54
11.90	10.0	Flexure	ksi	-34.39	-11.12	-3.46	6.722	233.61
11.90	10.0	Flexure	ksi	-34.20	-5.33	-2.10	10.554	366.75
13.00	10.9	Shear	kip	414.51	66.88	38.32	6.642	230.81
13.00	10.9	Flexure	ksi	-34.39	-11.12	-3.46	6.722	233.61
13.00	10.9	Flexure	ksi	-34.20	-6.96	-2.88	7.283	253.08
23.50	19.7	Shear	kip	424.98	51.74	32.98	8.403	292.00
23.50	19.7	Flexure	ksi	-34.71	-6.48	-4.06	6.958	241.77
23.50	19.7	Flexure	ksi	34.20	-1.47	2.99	9.180	318.99
23.80	20.0	Shear	kip	404.69	51.31	32.83	7.981	277.33
23.80	20.0	Flexure	ksi	-35.24	-6.48	-4.06	7.089	246.35
23.80	20.0	Flexure	ksi	34.20	-1.33	3.03	9.026	313.66
35.70	30.0	Shear	kip	395.43	34.15	26.36	10.293	357.69
35.70	30.0	Flexure	ksi	36.00	3.97	5.56	5.765	200.33
35.70	30.0	Flexure	ksi	34.20	3.17	4.27	5.584	194.03
47.60	40.0	Shear	kip	395.43	17.00	19.86	14.491	503.56
47.60	40.0	Flexure	ksi	36.00	7.33	6.24	4.592	159.56
47.60	40.0	Flexure	ksi	34.20	5.87	4.80	4.538	157.70
59.50	50.0	Shear	kip	395.43	-0.15	-23.52	12.929	449.28
59.50	50.0	Flexure	ksi	36.00	8.44	6.01	4.588	159.45
59.50	50.0	Flexure	ksi	34.20	6.75	4.62	4.570	158.81
71.40	60.0	Shear	kip	395.43	-17.30	-30.28	9.496	330.00
71.40	60.0	Flexure	ksi	36.00	7.29	4.88	5.882	204.41
71.40	60.0	Flexure	ksi	34.20	5.83	3.75	5.812	201.98
83.30	70.0	Shear	kip	395.43	-34.45	-36.81	7.363	255.86
83.30	70.0	Flexure	ksi	36.00	3.88	3.08	10.425	362.26
83.30	70.0	Flexure	ksi	34.20	3.11	2.37	10.093	350.72
95.20	80.0	Shear	kip	404.69	-51.61	-42.60	6.142	213.45
95.20	80.0	Flexure	ksi	-35.24	-4.27	-3.97	7.795	270.87
95.20	80.0	Flexure	ksi	-34.20	-1.43	-1.93	13.095	455.05
95.50	80.3	Shear	kip	424.98	-52.04	-42.72	6.481	225.20
95.50	80.3	Flexure	ksi	-34.71	-4.27	-3.97	7.660	266.19
95.50	80.3	Flexure	ksi	-34.20	-1.57	-1.98	12.688	440.90
104.00	87.4	Shear	kip	414.51	-64.31	-46.05	5.581	193.95
104.00	87.4	Flexure	ksi	-34.39	-9.13	-5.62	4.497	156.27

104.00	87.4	Flexure	ksi	-34.20	-5.93	-3.67	5.926	205.92
107.10	90.0	Shear	kip	518.17	-68.99	-46.95	7.076	245.90
107.10	90.0	Flexure	ksi	-34.39	-9.13	-5.62	4.497	156.27
107.10	90.0	Flexure	ksi	-34.20	-5.42	-3.14	7.057	245.23
119.00	100.0	Shear	kip	390.83	87.04	49.91	4.347	151.05
119.00	100.0	Flexure	ksi	-35.94	-14.18	-7.72	2.817	97.91
119.00	100.0	Flexure	ksi	-34.20	-11.16	-5.23	3.389	117.76

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	69.01	44.81	7.414	257.65
11.90	10.0	Flexure	ksi	-35.94	-11.27	-6.53	3.779	131.31
11.90	10.0	Flexure	ksi	-34.20	-5.42	-3.14	7.054	245.14
15.00	12.6	Shear	kip	414.51	64.33	43.94	5.848	203.23
15.00	12.6	Flexure	ksi	-34.71	-11.27	-6.53	3.590	124.75
15.00	12.6	Flexure	ksi	-34.20	-5.93	-3.67	5.927	205.95
23.50	19.7	Shear	kip	424.98	52.06	41.08	6.739	234.18
23.50	19.7	Flexure	ksi	-34.71	-6.64	-5.05	5.562	193.29
23.50	19.7	Flexure	ksi	-34.20	-1.57	-1.98	12.687	440.87
23.80	20.0	Shear	kip	404.69	51.63	40.97	6.387	221.94
23.80	20.0	Flexure	ksi	-35.24	-6.64	-5.05	5.668	196.97
23.80	20.0	Flexure	ksi	-34.20	-1.43	-1.92	13.102	455.30
35.70	30.0	Shear	kip	395.43	34.48	35.86	7.558	262.63
35.70	30.0	Flexure	ksi	36.00	3.88	3.09	10.410	361.76
35.70	30.0	Flexure	ksi	34.20	3.11	2.37	10.079	350.24
47.60	40.0	Shear	kip	395.43	17.32	29.88	9.621	334.35
47.60	40.0	Flexure	ksi	36.00	7.29	4.88	5.879	204.30
47.60	40.0	Flexure	ksi	34.20	5.83	3.76	5.809	201.87
59.50	50.0	Shear	kip	395.43	0.17	23.52	12.928	449.24
59.50	50.0	Flexure	ksi	36.00	8.44	6.01	4.587	159.40
59.50	50.0	Flexure	ksi	34.20	6.75	4.62	4.568	158.75
71.40	60.0	Shear	kip	395.43	-16.98	-20.13	14.301	496.96
71.40	60.0	Flexure	ksi	36.00	7.33	6.24	4.593	159.61
71.40	60.0	Flexure	ksi	34.20	5.87	4.80	4.540	157.76
83.30	70.0	Shear	kip	395.43	-34.13	-27.06	10.027	348.45
83.30	70.0	Flexure	ksi	36.00	3.97	5.55	5.767	200.42
83.30	70.0	Flexure	ksi	34.20	3.17	4.27	5.586	194.12
95.20	80.0	Shear	kip	404.69	-51.28	-34.13	7.675	266.71
95.20	80.0	Flexure	ksi	-35.24	-4.13	-3.82	8.138	282.80

95.20	80.0	Flexure	ksi	34.20	-1.33	3.03	9.034	313.92
95.50	80.3	Shear	kip	424.98	-51.71	-34.30	8.081	280.81
95.50	80.3	Flexure	ksi	-34.71	-4.13	-3.82	7.998	277.95
95.50	80.3	Flexure	ksi	34.20	-1.47	2.99	9.186	319.23
106.00	89.1	Shear	kip	414.51	-66.86	-40.15	6.340	220.32
106.00	89.1	Flexure	ksi	-34.39	-8.85	-4.27	5.979	207.77
106.00	89.1	Flexure	ksi	-34.20	-6.96	-2.88	7.286	253.17
107.10	90.0	Shear	kip	518.17	-68.52	-40.71	8.173	284.00
107.10	90.0	Flexure	ksi	-34.39	-8.85	-4.27	5.979	207.77
107.10	90.0	Flexure	ksi	-34.20	-5.33	-2.10	10.558	366.89
119.00	100.0	Shear	kip	390.83	88.27	47.74	4.519	157.04
119.00	100.0	Flexure	ksi	-35.94	-14.01	-3.67	5.975	207.63
119.00	100.0	Flexure	ksi	-34.20	-11.03	-2.49	7.172	249.24

Span 4

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	41.79	7.839	272.40
9.52	10.0	Flexure	ksi	-34.08	-11.06	-3.01	7.639	265.46
9.52	10.0	Flexure	ksi	-34.20	-6.26	-1.93	11.160	387.80
13.00	13.6	Shear	kip	414.51	68.57	40.45	6.253	217.28
13.00	13.6	Flexure	ksi	-34.08	-11.06	-3.01	7.639	265.46
13.00	13.6	Flexure	ksi	-34.20	-6.77	-2.57	8.213	285.41
19.05	20.0	Shear	kip	414.51	59.81	37.91	6.893	239.54
19.05	20.0	Flexure	ksi	-34.71	-5.53	-3.62	8.053	279.84
19.05	20.0	Flexure	ksi	-34.20	-3.33	-2.38	9.974	346.61
23.50	24.7	Shear	kip	424.98	53.43	35.90	7.675	266.69
23.50	24.7	Flexure	ksi	-34.71	-5.53	-3.62	8.053	279.84
23.50	24.7	Flexure	ksi	34.20	-1.11	3.01	9.022	313.52
28.58	30.0	Shear	kip	395.43	46.15	33.47	7.763	269.77
28.58	30.0	Flexure	ksi	36.00	1.41	4.87	7.106	246.93
28.58	30.0	Flexure	ksi	34.20	1.13	3.74	6.794	236.09
38.10	40.0	Shear	kip	395.43	32.40	28.53	9.569	332.52
38.10	40.0	Flexure	ksi	36.00	5.55	6.32	4.819	167.47
38.10	40.0	Flexure	ksi	34.20	4.44	4.86	4.710	163.67
47.63	50.0	Shear	kip	395.43	18.66	23.26	12.306	427.65
47.63	50.0	Flexure	ksi	36.00	8.24	7.17	3.870	134.49
47.63	50.0	Flexure	ksi	34.20	6.59	5.52	3.849	133.75
57.15	60.0	Shear	kip	395.43	4.92	-18.89	16.352	568.23
57.15	60.0	Flexure	ksi	36.00	9.49	7.38	3.594	124.89

57.15	60.0	Flexure	ksi	34.20	7.59	5.68	3.607	125.34
66.68	70.0	Shear	kip	395.43	-8.75	-24.52	12.060	419.10
66.68	70.0	Flexure	ksi	36.00	9.29	6.82	3.915	136.05
66.68	70.0	Flexure	ksi	34.20	7.43	5.25	3.924	136.35
76.20	80.0	Shear	kip	395.43	-22.49	-30.64	9.221	320.43
76.20	80.0	Flexure	ksi	36.00	7.64	5.50	5.154	179.11
76.20	80.0	Flexure	ksi	34.20	6.11	4.23	5.105	177.39
85.72	90.0	Shear	kip	395.43	-36.24	-37.17	7.246	251.80
85.72	90.0	Flexure	ksi	36.00	4.54	3.18	9.897	343.91
85.72	90.0	Flexure	ksi	34.20	3.63	2.45	9.616	334.16
95.25	100.0	Shear	kip	469.80	-49.98	-44.03	7.116	247.30
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3440.25
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3440.25

Detailed Rating Results
Wizard Alternative
SU7
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	44.44	3.408	132.07
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3836.25
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3836.25
9.52	10.0	Shear	kip	395.43	36.19	37.75	7.136	276.51
9.52	10.0	Flexure	ksi	36.00	4.54	3.41	9.220	357.26
9.52	10.0	Flexure	ksi	34.20	3.63	2.62	8.958	347.14
19.05	20.0	Shear	kip	395.43	22.52	31.28	9.031	349.95
19.05	20.0	Flexure	ksi	36.00	7.64	5.93	4.783	185.34
19.05	20.0	Flexure	ksi	34.20	6.11	4.56	4.737	183.56
28.58	30.0	Shear	kip	395.43	8.78	25.12	11.772	456.18
28.58	30.0	Flexure	ksi	36.00	9.28	7.49	3.569	138.29
28.58	30.0	Flexure	ksi	34.20	7.43	5.76	3.576	138.58
38.10	40.0	Shear	kip	395.43	-4.96	19.37	15.951	618.10
38.10	40.0	Flexure	ksi	36.00	9.49	8.05	3.294	127.63
38.10	40.0	Flexure	ksi	34.20	7.59	6.19	3.306	128.10
47.63	50.0	Shear	kip	395.43	-18.63	-24.28	11.791	456.92

47.63	50.0	Flexure	ksi	36.00	8.24	7.84	3.543	137.28
47.63	50.0	Flexure	ksi	34.20	6.59	6.03	3.523	136.53
57.15	60.0	Shear	kip	395.43	-32.37	-30.63	8.914	345.42
57.15	60.0	Flexure	ksi	36.00	5.55	6.90	4.415	171.09
57.15	60.0	Flexure	ksi	34.20	4.44	5.31	4.315	167.21
66.68	70.0	Shear	kip	395.43	-46.12	-36.78	7.065	273.76
66.68	70.0	Flexure	ksi	36.00	1.41	5.32	6.502	251.94
66.68	70.0	Flexure	ksi	34.20	1.13	4.09	6.216	240.88
71.75	75.3	Shear	kip	424.98	-53.40	-40.12	6.869	266.16
71.75	75.3	Flexure	ksi	-34.71	-2.55	-3.79	8.493	329.12
71.75	75.3	Flexure	ksi	34.20	-1.11	3.28	8.288	321.17
76.20	80.0	Shear	kip	414.51	-59.86	-42.52	6.145	238.13
76.20	80.0	Flexure	ksi	-34.01	-8.61	-4.23	6.005	232.67
76.20	80.0	Flexure	ksi	-34.20	-3.34	-2.64	8.995	348.57
82.25	86.4	Shear	kip	414.51	-68.54	-45.88	5.513	213.64
82.25	86.4	Flexure	ksi	-34.01	-8.61	-4.23	6.005	232.67
82.25	86.4	Flexure	ksi	-34.20	-6.77	-2.85	7.407	287.03
85.72	90.0	Shear	kip	518.17	-73.79	-47.52	6.895	267.18
85.72	90.0	Flexure	ksi	-34.01	-8.61	-4.23	6.005	232.67
85.72	90.0	Flexure	ksi	-34.20	-6.26	-2.14	10.065	390.01
95.25	100.0	Shear	kip	390.83	86.57	50.66	4.291	166.29
95.25	100.0	Flexure	ksi	-35.94	-14.01	-4.07	5.392	208.95
95.25	100.0	Flexure	ksi	-34.20	-11.03	-2.75	6.473	250.83

Span 2

							Legal Rating	Legal Load Rating
Location							Factor	(Ton)
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL		
11.90	10.0	Shear	kip	518.17	68.54	41.94	7.933	307.41
11.90	10.0	Flexure	ksi	-34.39	-11.12	-3.83	6.069	235.18
11.90	10.0	Flexure	ksi	-34.20	-5.33	-2.33	9.528	369.23
13.00	10.9	Shear	kip	414.51	66.88	41.33	6.159	238.66
13.00	10.9	Flexure	ksi	-34.39	-11.12	-3.83	6.069	235.18
13.00	10.9	Flexure	ksi	-34.20	-6.96	-3.19	6.575	254.79
23.50	19.7	Shear	kip	424.98	51.74	35.27	7.858	304.49
23.50	19.7	Flexure	ksi	-34.71	-6.48	-4.49	6.281	243.41
23.50	19.7	Flexure	ksi	34.20	-1.47	3.24	8.467	328.09
23.80	20.0	Shear	kip	404.69	51.31	35.09	7.465	289.27
23.80	20.0	Flexure	ksi	-35.24	-6.48	-4.49	6.400	248.01
23.80	20.0	Flexure	ksi	34.20	-1.33	3.28	8.325	322.59
35.70	30.0	Shear	kip	395.43	34.15	27.86	9.739	377.39

35.70	30.0	Flexure	ksi	36.00	3.97	6.03	5.312	205.82
35.70	30.0	Flexure	ksi	34.20	3.17	4.64	5.145	199.35
47.60	40.0	Shear	kip	395.43	17.00	20.69	13.914	539.18
47.60	40.0	Flexure	ksi	36.00	7.33	6.81	4.207	163.03
47.60	40.0	Flexure	ksi	34.20	5.87	5.24	4.158	161.13
59.50	50.0	Shear	kip	395.43	-0.15	-24.68	12.318	477.33
59.50	50.0	Flexure	ksi	36.00	8.44	6.54	4.216	163.35
59.50	50.0	Flexure	ksi	34.20	6.75	5.03	4.199	162.69
71.40	60.0	Shear	kip	395.43	-17.30	-32.24	8.918	345.57
71.40	60.0	Flexure	ksi	36.00	7.29	5.29	5.431	210.44
71.40	60.0	Flexure	ksi	34.20	5.83	4.07	5.366	207.94
83.30	70.0	Shear	kip	395.43	-34.45	-39.64	6.838	264.96
83.30	70.0	Flexure	ksi	36.00	3.88	3.29	9.755	378.02
83.30	70.0	Flexure	ksi	34.20	3.11	2.53	9.445	365.98
95.20	80.0	Shear	kip	404.69	-51.61	-46.31	5.651	218.96
95.20	80.0	Flexure	ksi	-35.24	-4.27	-4.40	7.043	272.92
95.20	80.0	Flexure	ksi	-34.20	-1.43	-2.13	11.848	459.11
95.50	80.3	Shear	kip	424.98	-52.04	-46.45	5.961	230.98
95.50	80.3	Flexure	ksi	-34.71	-4.27	-4.40	6.922	268.21
95.50	80.3	Flexure	ksi	-34.20	-1.57	-2.19	11.480	444.86
104.00	87.4	Shear	kip	414.51	-64.31	-50.38	5.102	197.70
104.00	87.4	Flexure	ksi	-34.39	-9.13	-6.23	4.055	157.14
104.00	87.4	Flexure	ksi	-34.20	-5.93	-4.06	5.351	207.35
107.10	90.0	Shear	kip	518.17	-68.99	-51.48	6.454	250.10
107.10	90.0	Flexure	ksi	-34.39	-9.13	-6.23	4.055	157.14
107.10	90.0	Flexure	ksi	-34.20	-5.42	-3.48	6.369	246.80
119.00	100.0	Shear	kip	390.83	87.04	55.15	3.934	152.42
119.00	100.0	Flexure	ksi	-35.94	-14.18	-8.57	2.540	98.42
119.00	100.0	Flexure	ksi	-34.20	-11.16	-5.80	3.055	118.38

Span 3

							Legal	Legal
Location							Rating	Load
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	Rating (Ton)
11.90	10.0	Shear	kip	518.17	69.01	49.12	6.763	262.08
11.90	10.0	Flexure	ksi	-35.94	-11.27	-7.24	3.405	131.94
11.90	10.0	Flexure	ksi	-34.20	-5.42	-3.47	6.370	246.85
15.00	12.6	Shear	kip	414.51	64.33	48.08	5.345	207.13
15.00	12.6	Flexure	ksi	-34.71	-11.27	-7.24	3.235	125.35
15.00	12.6	Flexure	ksi	-34.20	-5.93	-4.06	5.351	207.34
23.50	19.7	Shear	kip	424.98	52.06	44.66	6.199	240.21

23.50	19.7	Flexure	ksi	-34.71	-6.64	-5.59	5.024	194.69
23.50	19.7	Flexure	ksi	-34.20	-1.57	-2.18	11.489	445.21
23.80	20.0	Shear	kip	404.69	51.63	44.53	5.876	227.71
23.80	20.0	Flexure	ksi	-35.24	-6.64	-5.59	5.120	198.39
23.80	20.0	Flexure	ksi	-34.20	-1.43	-2.13	11.857	459.47
35.70	30.0	Shear	kip	395.43	34.48	38.61	7.019	272.01
35.70	30.0	Flexure	ksi	36.00	3.88	3.30	9.743	377.54
35.70	30.0	Flexure	ksi	34.20	3.11	2.54	9.432	365.51
47.60	40.0	Shear	kip	395.43	17.32	31.82	9.036	350.15
47.60	40.0	Flexure	ksi	36.00	7.29	5.28	5.434	210.56
47.60	40.0	Flexure	ksi	34.20	5.83	4.06	5.369	208.06
59.50	50.0	Shear	kip	395.43	0.17	24.68	12.317	477.29
59.50	50.0	Flexure	ksi	36.00	8.44	6.54	4.214	163.30
59.50	50.0	Flexure	ksi	34.20	6.75	5.03	4.197	162.64
71.40	60.0	Shear	kip	395.43	-16.98	-20.96	13.734	532.19
71.40	60.0	Flexure	ksi	36.00	7.33	6.81	4.208	163.08
71.40	60.0	Flexure	ksi	34.20	5.87	5.24	4.160	161.18
83.30	70.0	Shear	kip	395.43	-34.13	-28.60	9.488	367.64
83.30	70.0	Flexure	ksi	36.00	3.97	6.03	5.310	205.75
83.30	70.0	Flexure	ksi	34.20	3.17	4.64	5.143	199.29
95.20	80.0	Shear	kip	404.69	-51.28	-36.50	7.179	278.17
95.20	80.0	Flexure	ksi	-35.24	-4.13	-4.24	7.344	284.58
95.20	80.0	Flexure	ksi	34.20	-1.33	3.28	8.321	322.44
95.50	80.3	Shear	kip	424.98	-51.71	-36.68	7.556	292.80
95.50	80.3	Flexure	ksi	-34.71	-4.13	-4.24	7.218	279.69
95.50	80.3	Flexure	ksi	34.20	-1.47	3.24	8.465	328.02
106.00	89.1	Shear	kip	414.51	-66.86	-43.31	5.879	227.79
106.00	89.1	Flexure	ksi	-34.39	-8.85	-4.73	5.395	209.07
106.00	89.1	Flexure	ksi	-34.20	-6.96	-3.19	6.574	254.76
107.10	90.0	Shear	kip	518.17	-68.52	-43.94	7.572	293.40
107.10	90.0	Flexure	ksi	-34.39	-8.85	-4.73	5.395	209.07
107.10	90.0	Flexure	ksi	-34.20	-5.33	-2.33	9.527	369.19
119.00	100.0	Shear	kip	390.83	88.27	52.25	4.130	160.02
119.00	100.0	Flexure	ksi	-35.94	-14.01	-4.07	5.392	208.93
119.00	100.0	Flexure	ksi	-34.20	-11.03	-2.75	6.472	250.80

Span 4

							Legal Rating	Legal Load Rating
Location	(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	Factor	(Ton)
	9.52	10.0	Shear	kip	518.17	73.82	45.49	279.10

9.52	10.0	Flexure	ksi	-34.08	-11.06	-3.34	6.892	267.07
9.52	10.0	Flexure	ksi	-34.20	-6.26	-2.13	10.068	390.15
13.00	13.6	Shear	kip	414.51	68.57	43.92	5.759	223.15
13.00	13.6	Flexure	ksi	-34.08	-11.06	-3.34	6.892	267.07
13.00	13.6	Flexure	ksi	-34.20	-6.77	-2.85	7.410	287.14
19.05	20.0	Shear	kip	414.51	59.81	40.99	6.376	247.06
19.05	20.0	Flexure	ksi	-34.71	-5.53	-4.02	7.265	281.54
19.05	20.0	Flexure	ksi	-34.20	-3.33	-2.64	8.999	348.71
23.50	24.7	Shear	kip	424.98	53.43	38.67	7.125	276.08
23.50	24.7	Flexure	ksi	-34.71	-5.53	-4.02	7.265	281.54
23.50	24.7	Flexure	ksi	34.20	-1.11	3.28	8.286	321.07
28.58	30.0	Shear	kip	395.43	46.15	35.89	7.240	280.53
28.58	30.0	Flexure	ksi	36.00	1.41	5.32	6.500	251.87
28.58	30.0	Flexure	ksi	34.20	1.13	4.09	6.215	240.82
38.10	40.0	Shear	kip	395.43	32.40	30.26	9.023	349.63
38.10	40.0	Flexure	ksi	36.00	5.55	6.90	4.416	171.12
38.10	40.0	Flexure	ksi	34.20	4.44	5.30	4.316	167.24
47.63	50.0	Shear	kip	395.43	18.66	24.28	11.790	456.86
47.63	50.0	Flexure	ksi	36.00	8.24	7.83	3.543	137.31
47.63	50.0	Flexure	ksi	34.20	6.59	6.03	3.524	136.55
57.15	60.0	Shear	kip	395.43	4.92	-19.61	15.755	610.51
57.15	60.0	Flexure	ksi	36.00	9.49	8.05	3.294	127.63
57.15	60.0	Flexure	ksi	34.20	7.59	6.19	3.306	128.10
66.68	70.0	Shear	kip	395.43	-8.75	-25.75	11.488	445.16
66.68	70.0	Flexure	ksi	36.00	9.29	7.49	3.569	138.30
66.68	70.0	Flexure	ksi	34.20	7.43	5.76	3.577	138.59
76.20	80.0	Shear	kip	395.43	-22.49	-32.45	8.708	337.42
76.20	80.0	Flexure	ksi	36.00	7.64	5.93	4.783	185.33
76.20	80.0	Flexure	ksi	34.20	6.11	4.56	4.737	183.55
85.72	90.0	Shear	kip	395.43	-36.24	-39.63	6.796	263.35
85.72	90.0	Flexure	ksi	36.00	4.54	3.41	9.220	357.27
85.72	90.0	Flexure	ksi	34.20	3.63	2.62	8.958	347.14
95.25	100.0	Shear	kip	469.80	-49.98	-47.21	6.637	257.20
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3836.25
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3836.25

Detailed Rating Results**Wizard Alternative****Type 3****Axle Load****Impact: As Requested****Lane: As Requested****Span 1**

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	31.21	4.853	121.32
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2475.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2475.00
9.52	10.0	Shear	kip	395.43	36.19	26.84	10.038	250.96
9.52	10.0	Flexure	ksi	36.00	4.54	2.40	13.127	328.19
9.52	10.0	Flexure	ksi	34.20	3.63	1.84	12.755	318.88
19.05	20.0	Shear	kip	395.43	22.52	22.57	12.519	312.99
19.05	20.0	Flexure	ksi	36.00	7.64	4.03	7.038	175.94
19.05	20.0	Flexure	ksi	34.20	6.11	3.10	6.970	174.25
28.58	30.0	Shear	kip	395.43	8.78	18.46	16.017	400.42
28.58	30.0	Flexure	ksi	36.00	9.28	4.96	5.385	134.64
28.58	30.0	Flexure	ksi	34.20	7.43	3.82	5.397	134.92
38.10	40.0	Shear	kip	395.43	-4.96	14.59	21.182	529.55
38.10	40.0	Flexure	ksi	36.00	9.49	5.34	4.966	124.15
38.10	40.0	Flexure	ksi	34.20	7.59	4.11	4.984	124.61
47.63	50.0	Shear	kip	395.43	-18.63	-17.99	15.915	397.86
47.63	50.0	Flexure	ksi	36.00	8.24	5.19	5.348	133.69
47.63	50.0	Flexure	ksi	34.20	6.59	3.99	5.318	132.96
57.15	60.0	Shear	kip	395.43	-32.37	-21.96	12.432	310.80
57.15	60.0	Flexure	ksi	36.00	5.55	4.59	6.634	165.85
57.15	60.0	Flexure	ksi	34.20	4.44	3.53	6.484	162.09
66.68	70.0	Shear	kip	395.43	-46.12	-25.76	10.085	252.12
66.68	70.0	Flexure	ksi	36.00	1.41	3.56	9.728	243.21
66.68	70.0	Flexure	ksi	34.20	1.13	2.74	9.301	232.53
71.75	75.3	Shear	kip	424.98	-53.40	-27.83	9.902	247.54
71.75	75.3	Flexure	ksi	36.00	-1.39	2.86	13.053	326.32
71.75	75.3	Flexure	ksi	34.20	-1.11	2.20	12.328	308.19
76.20	80.0	Shear	kip	414.51	-59.86	-29.27	8.926	223.14
76.20	80.0	Flexure	ksi	-34.01	-8.61	-2.75	9.248	231.19
76.20	80.0	Flexure	ksi	-34.20	-3.34	-1.71	13.854	346.35
82.25	86.4	Shear	kip	414.51	-68.54	-31.28	8.086	202.15
82.25	86.4	Flexure	ksi	-34.01	-8.61	-2.75	9.248	231.19
82.25	86.4	Flexure	ksi	-34.20	-6.77	-1.85	11.408	285.20
85.72	90.0	Shear	kip	518.17	-73.79	-32.25	10.160	254.01
85.72	90.0	Flexure	ksi	-34.01	-8.61	-2.75	9.248	231.19
85.72	90.0	Flexure	ksi	-34.20	-6.26	-1.39	15.501	387.52
95.25	100.0	Shear	kip	390.83	86.57	34.40	6.319	157.97

95.25	100.0	Flexure	ksi	-35.94	-14.01	-2.65	8.289	207.23
95.25	100.0	Flexure	ksi	-34.20	-11.03	-1.79	9.950	248.76
Span 2								
Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	28.98	11.482	287.04
11.90	10.0	Flexure	ksi	-34.39	-11.12	-2.49	9.330	233.24
11.90	10.0	Flexure	ksi	-34.20	-5.33	-1.52	14.647	366.19
13.00	10.9	Shear	kip	414.51	66.88	28.61	8.898	222.45
13.00	10.9	Flexure	ksi	-34.39	-11.12	-2.49	9.330	233.24
13.00	10.9	Flexure	ksi	-34.20	-6.96	-2.07	10.108	252.69
23.50	19.7	Shear	kip	424.98	51.74	24.87	11.144	278.59
23.50	19.7	Flexure	ksi	-34.71	-6.48	-2.92	9.656	241.40
23.50	19.7	Flexure	ksi	34.20	-1.47	2.19	12.540	313.49
23.80	20.0	Shear	kip	404.69	51.31	24.76	10.580	264.51
23.80	20.0	Flexure	ksi	-35.24	-6.48	-2.92	9.839	245.97
23.80	20.0	Flexure	ksi	34.20	-1.33	2.22	12.333	308.33
35.70	30.0	Shear	kip	395.43	34.15	20.16	13.460	336.50
35.70	30.0	Flexure	ksi	36.00	3.97	4.04	7.934	198.35
35.70	30.0	Flexure	ksi	34.20	3.17	3.11	7.685	192.12
47.60	40.0	Shear	kip	395.43	17.00	15.46	18.617	465.42
47.60	40.0	Flexure	ksi	36.00	7.33	4.52	6.349	158.72
47.60	40.0	Flexure	ksi	34.20	5.87	3.47	6.275	156.87
59.50	50.0	Shear	kip	395.43	-0.15	-18.11	16.786	419.65
59.50	50.0	Flexure	ksi	36.00	8.44	4.35	6.335	158.37
59.50	50.0	Flexure	ksi	34.20	6.75	3.35	6.309	157.73
71.40	60.0	Shear	kip	395.43	-17.30	-22.93	12.538	313.44
71.40	60.0	Flexure	ksi	36.00	7.29	3.55	8.091	202.28
71.40	60.0	Flexure	ksi	34.20	5.83	2.73	7.995	199.87
83.30	70.0	Shear	kip	395.43	-34.45	-27.52	9.850	246.25
83.30	70.0	Flexure	ksi	36.00	3.88	2.25	14.305	357.61
83.30	70.0	Flexure	ksi	34.20	3.11	1.73	13.849	346.22
95.20	80.0	Shear	kip	404.69	-51.61	-31.48	8.311	207.78
95.20	80.0	Flexure	ksi	-35.24	-4.27	-2.86	10.812	270.29
95.20	80.0	Flexure	ksi	-34.20	-1.43	-1.39	18.188	454.71
95.50	80.3	Shear	kip	424.98	-52.04	-31.56	8.772	219.30
95.50	80.3	Flexure	ksi	-34.71	-4.27	-2.86	10.625	265.63
95.50	80.3	Flexure	ksi	-34.20	-1.57	-1.42	17.619	440.47
104.00	87.4	Shear	kip	414.51	-64.31	-33.77	7.611	190.27

104.00	87.4	Flexure	ksi	-34.39	-9.13	-4.05	6.240	156.00
104.00	87.4	Flexure	ksi	-34.20	-5.93	-2.64	8.232	205.81
107.10	90.0	Shear	kip	518.17	-68.99	-34.34	9.677	241.92
107.10	90.0	Flexure	ksi	-34.39	-9.13	-4.05	6.240	156.00
107.10	90.0	Flexure	ksi	-34.20	-5.42	-2.26	9.807	245.17
119.00	100.0	Shear	kip	390.83	87.04	36.17	5.999	149.96
119.00	100.0	Flexure	ksi	-35.94	-14.18	-5.56	3.916	97.89
119.00	100.0	Flexure	ksi	-34.20	-11.16	-3.76	4.710	117.74

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	69.01	32.77	10.138	253.45
11.90	10.0	Flexure	ksi	-35.94	-11.27	-4.70	5.247	131.19
11.90	10.0	Flexure	ksi	-34.20	-5.42	-2.26	9.800	245.00
15.00	12.6	Shear	kip	414.51	64.33	32.23	7.975	199.37
15.00	12.6	Flexure	ksi	-34.71	-11.27	-4.70	4.985	124.63
15.00	12.6	Flexure	ksi	-34.20	-5.93	-2.64	8.238	205.96
23.50	19.7	Shear	kip	424.98	52.06	30.36	9.120	228.01
23.50	19.7	Flexure	ksi	-34.71	-6.64	-3.63	7.728	193.19
23.50	19.7	Flexure	ksi	-34.20	-1.57	-1.43	17.599	439.98
23.80	20.0	Shear	kip	404.69	51.63	30.28	8.641	216.03
23.80	20.0	Flexure	ksi	-35.24	-6.64	-3.63	7.875	196.87
23.80	20.0	Flexure	ksi	-34.20	-1.43	-1.39	18.169	454.23
35.70	30.0	Shear	kip	395.43	34.48	26.81	10.110	252.75
35.70	30.0	Flexure	ksi	36.00	3.88	2.25	14.272	356.80
35.70	30.0	Flexure	ksi	34.20	3.11	1.73	13.817	345.43
47.60	40.0	Shear	kip	395.43	17.32	22.64	12.702	317.54
47.60	40.0	Flexure	ksi	36.00	7.29	3.55	8.083	202.09
47.60	40.0	Flexure	ksi	34.20	5.83	2.73	7.987	199.68
59.50	50.0	Shear	kip	395.43	0.17	18.12	16.782	419.55
59.50	50.0	Flexure	ksi	36.00	8.44	4.35	6.331	158.29
59.50	50.0	Flexure	ksi	34.20	6.75	3.35	6.306	157.65
71.40	60.0	Shear	kip	395.43	-16.98	-15.66	18.376	459.41
71.40	60.0	Flexure	ksi	36.00	7.33	4.51	6.352	158.79
71.40	60.0	Flexure	ksi	34.20	5.87	3.47	6.278	156.94
83.30	70.0	Shear	kip	395.43	-34.13	-20.69	13.114	327.84
83.30	70.0	Flexure	ksi	36.00	3.97	4.03	7.940	198.49
83.30	70.0	Flexure	ksi	34.20	3.17	3.10	7.690	192.25
95.20	80.0	Shear	kip	404.69	-51.28	-25.75	10.176	254.41

95.20	80.0	Flexure	ksi	-35.24	-4.13	-2.75	11.316	282.89
95.20	80.0	Flexure	ksi	34.20	-1.33	2.21	12.350	308.75
95.50	80.3	Shear	kip	424.98	-51.71	-25.86	10.718	267.94
95.50	80.3	Flexure	ksi	-34.71	-4.13	-2.75	11.121	278.03
95.50	80.3	Flexure	ksi	34.20	-1.47	2.18	12.557	313.92
106.00	89.1	Shear	kip	414.51	-66.86	-29.97	8.494	212.34
106.00	89.1	Flexure	ksi	-34.39	-8.85	-3.07	8.313	207.83
106.00	89.1	Flexure	ksi	-34.20	-6.96	-2.07	10.130	253.25
107.10	90.0	Shear	kip	518.17	-68.52	-30.35	10.961	274.02
107.10	90.0	Flexure	ksi	-34.39	-8.85	-3.07	8.313	207.83
107.10	90.0	Flexure	ksi	-34.20	-5.33	-1.51	14.680	367.00
119.00	100.0	Shear	kip	390.83	88.27	35.06	6.155	153.87
119.00	100.0	Flexure	ksi	-35.94	-14.01	-2.64	8.308	207.69
119.00	100.0	Flexure	ksi	-34.20	-11.03	-1.79	9.973	249.31

Span 4

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	30.87	10.614	265.34
9.52	10.0	Flexure	ksi	-34.08	-11.06	-2.17	10.605	265.11
9.52	10.0	Flexure	ksi	-34.20	-6.26	-1.39	15.492	387.29
13.00	13.6	Shear	kip	414.51	68.57	29.95	8.445	211.13
13.00	13.6	Flexure	ksi	-34.08	-11.06	-2.17	10.605	265.11
13.00	13.6	Flexure	ksi	-34.20	-6.77	-1.85	11.402	285.04
19.05	20.0	Shear	kip	414.51	59.81	28.22	9.261	231.53
19.05	20.0	Flexure	ksi	-34.71	-5.53	-2.61	11.179	279.47
19.05	20.0	Flexure	ksi	-34.20	-3.33	-1.71	13.846	346.16
23.50	24.7	Shear	kip	424.98	53.43	26.83	10.269	256.74
23.50	24.7	Flexure	ksi	-34.71	-5.53	-2.61	11.179	279.47
23.50	24.7	Flexure	ksi	34.20	-1.11	2.20	12.324	308.11
28.58	30.0	Shear	kip	395.43	46.15	25.14	10.335	258.38
28.58	30.0	Flexure	ksi	36.00	1.41	3.55	9.734	243.34
28.58	30.0	Flexure	ksi	34.20	1.13	2.73	9.306	232.66
38.10	40.0	Shear	kip	395.43	32.40	21.70	12.584	314.61
38.10	40.0	Flexure	ksi	36.00	5.55	4.59	6.629	165.72
38.10	40.0	Flexure	ksi	34.20	4.44	3.53	6.478	161.96
47.63	50.0	Shear	kip	395.43	18.66	17.99	15.913	397.82
47.63	50.0	Flexure	ksi	36.00	8.24	5.19	5.350	133.76
47.63	50.0	Flexure	ksi	34.20	6.59	3.99	5.321	133.02
57.15	60.0	Shear	kip	395.43	4.92	-14.77	20.915	522.88

57.15	60.0	Flexure	ksi	36.00	9.49	5.34	4.967	124.17
57.15	60.0	Flexure	ksi	34.20	7.59	4.11	4.985	124.62
66.68	70.0	Shear	kip	395.43	-8.75	-18.92	15.631	390.77
66.68	70.0	Flexure	ksi	36.00	9.29	4.96	5.385	134.63
66.68	70.0	Flexure	ksi	34.20	7.43	3.82	5.397	134.92
76.20	80.0	Shear	kip	395.43	-22.49	-23.41	12.070	301.74
76.20	80.0	Flexure	ksi	36.00	7.64	4.03	7.038	175.94
76.20	80.0	Flexure	ksi	34.20	6.11	3.10	6.970	174.25
85.72	90.0	Shear	kip	395.43	-36.24	-28.17	9.561	239.01
85.72	90.0	Flexure	ksi	36.00	4.54	2.40	13.128	328.21
85.72	90.0	Flexure	ksi	34.20	3.63	1.84	12.756	318.90
95.25	100.0	Shear	kip	469.80	-49.98	-33.15	9.451	236.26
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2475.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2475.00

Detailed Rating Results
Wizard Alternative
Type 3-3
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal	Legal
Location							Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	38.34	3.950	158.01
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3960.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3960.00
9.52	10.0	Shear	kip	395.43	36.19	31.86	8.454	338.18
9.52	10.0	Flexure	ksi	36.00	4.54	2.85	11.056	442.25
9.52	10.0	Flexure	ksi	34.20	3.63	2.19	10.743	429.71
19.05	20.0	Shear	kip	395.43	22.52	25.70	10.994	439.76
19.05	20.0	Flexure	ksi	36.00	7.64	4.68	6.061	242.45
19.05	20.0	Flexure	ksi	34.20	6.11	3.60	6.003	240.12
28.58	30.0	Shear	kip	395.43	8.78	19.98	14.802	592.07
28.58	30.0	Flexure	ksi	36.00	9.28	5.64	4.738	189.54
28.58	30.0	Flexure	ksi	34.20	7.43	4.34	4.749	189.94
38.10	40.0	Shear	kip	395.43	-4.96	14.76	20.932	837.27
38.10	40.0	Flexure	ksi	36.00	9.49	6.12	4.335	173.41
38.10	40.0	Flexure	ksi	34.20	7.59	4.70	4.351	174.04

47.63	50.0	Shear	kip	395.43	-18.63	-17.79	16.087	643.48
47.63	50.0	Flexure	ksi	36.00	8.24	5.94	4.673	186.93
47.63	50.0	Flexure	ksi	34.20	6.59	4.57	4.648	185.90
57.15	60.0	Shear	kip	395.43	-32.37	-23.82	11.464	458.57
57.15	60.0	Flexure	ksi	36.00	5.55	5.18	5.881	235.22
57.15	60.0	Flexure	ksi	34.20	4.44	3.98	5.747	229.89
66.68	70.0	Shear	kip	395.43	-46.12	-30.42	8.542	341.66
66.68	70.0	Flexure	ksi	36.00	1.41	3.86	8.960	358.40
66.68	70.0	Flexure	ksi	34.20	1.13	2.97	8.567	342.66
71.75	75.3	Shear	kip	424.98	-53.40	-34.02	8.100	323.98
71.75	75.3	Flexure	ksi	-34.71	-2.55	-3.39	9.489	379.58
71.75	75.3	Flexure	ksi	-34.20	-1.11	-2.23	11.404	456.16
76.20	80.0	Shear	kip	414.51	-59.86	-36.75	7.111	284.43
76.20	80.0	Flexure	ksi	-34.01	-8.61	-3.79	6.709	268.35
76.20	80.0	Flexure	ksi	-34.20	-3.34	-2.36	10.050	402.02
82.25	86.4	Shear	kip	414.51	-68.54	-40.52	6.242	249.69
82.25	86.4	Flexure	ksi	-34.01	-8.61	-3.79	6.709	268.35
82.25	86.4	Flexure	ksi	-34.20	-6.77	-2.55	8.276	331.04
85.72	90.0	Shear	kip	518.17	-73.79	-42.44	7.720	308.81
85.72	90.0	Flexure	ksi	-34.01	-8.61	-3.79	6.709	268.35
85.72	90.0	Flexure	ksi	-34.20	-6.26	-1.91	11.245	449.80
95.25	100.0	Shear	kip	390.83	86.57	45.43	4.786	191.43
95.25	100.0	Flexure	ksi	-35.94	-14.01	-3.62	6.062	242.49
95.25	100.0	Flexure	ksi	-34.20	-11.03	-2.45	7.277	291.09

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	36.42	9.136	365.44
11.90	10.0	Flexure	ksi	-34.39	-11.12	-3.41	6.823	272.93
11.90	10.0	Flexure	ksi	-34.20	-5.33	-2.07	10.712	428.49
13.00	10.9	Shear	kip	414.51	66.88	35.78	7.114	284.58
13.00	10.9	Flexure	ksi	-34.39	-11.12	-3.41	6.823	272.93
13.00	10.9	Flexure	ksi	-34.20	-6.96	-2.83	7.392	295.69
23.50	19.7	Shear	kip	424.98	51.74	29.60	9.364	374.55
23.50	19.7	Flexure	ksi	-34.71	-6.48	-4.00	7.062	282.48
23.50	19.7	Flexure	ksi	-34.20	-1.47	-2.38	10.574	422.98
23.80	20.0	Shear	kip	404.69	51.31	29.42	8.904	356.15
23.80	20.0	Flexure	ksi	-35.24	-6.48	-4.00	7.196	287.82
23.80	20.0	Flexure	ksi	-34.20	-1.33	-2.37	10.678	427.12

35.70	30.0	Shear	kip	395.43	34.15	22.45	12.085	483.42
35.70	30.0	Flexure	ksi	36.00	3.97	4.40	7.279	291.16
35.70	30.0	Flexure	ksi	34.20	3.17	3.39	7.050	282.01
47.60	40.0	Shear	kip	395.43	17.00	15.96	18.031	721.23
47.60	40.0	Flexure	ksi	36.00	7.33	5.09	5.630	225.21
47.60	40.0	Flexure	ksi	34.20	5.87	3.92	5.565	222.59
59.50	50.0	Shear	kip	395.43	-0.15	-19.08	15.934	637.37
59.50	50.0	Flexure	ksi	36.00	8.44	4.87	5.658	226.32
59.50	50.0	Flexure	ksi	34.20	6.75	3.75	5.635	225.41
71.40	60.0	Shear	kip	395.43	-17.30	-26.36	10.907	436.27
71.40	60.0	Flexure	ksi	36.00	7.29	3.77	7.611	304.43
71.40	60.0	Flexure	ksi	34.20	5.83	2.90	7.520	300.80
83.30	70.0	Shear	kip	395.43	-34.45	-33.87	8.003	320.10
83.30	70.0	Flexure	ksi	36.00	3.88	1.92	16.709	668.36
83.30	70.0	Flexure	ksi	34.20	3.11	1.48	16.176	647.06
95.20	80.0	Shear	kip	404.69	-51.61	-41.07	6.372	254.89
95.20	80.0	Flexure	ksi	-35.24	-4.27	-3.81	8.132	325.28
95.20	80.0	Flexure	ksi	-34.20	-1.43	-1.78	14.159	566.36
95.50	80.3	Shear	kip	424.98	-52.04	-41.23	6.716	268.63
95.50	80.3	Flexure	ksi	-34.71	-4.27	-3.81	7.992	319.67
95.50	80.3	Flexure	ksi	-34.20	-1.57	-1.84	13.668	546.73
104.00	87.4	Shear	kip	414.51	-64.31	-45.81	5.611	224.44
104.00	87.4	Flexure	ksi	-34.39	-9.13	-5.67	4.455	178.20
104.00	87.4	Flexure	ksi	-34.20	-5.93	-3.61	6.021	240.84
107.10	90.0	Shear	kip	518.17	-68.99	-47.21	7.039	281.54
107.10	90.0	Flexure	ksi	-34.39	-9.13	-5.67	4.455	178.20
107.10	90.0	Flexure	ksi	-34.20	-5.42	-3.13	7.082	283.29
119.00	100.0	Shear	kip	390.83	87.04	52.27	4.150	166.01
119.00	100.0	Flexure	ksi	-35.94	-14.18	-7.93	2.746	109.82
119.00	100.0	Flexure	ksi	-34.20	-11.16	-5.37	3.302	132.09

Span 3

							Legal	Legal
Location							Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	69.01	45.05	7.374	294.98
11.90	10.0	Flexure	ksi	-35.94	-11.27	-6.65	3.711	148.44
11.90	10.0	Flexure	ksi	-34.20	-5.42	-3.13	7.082	283.26
15.00	12.6	Shear	kip	414.51	64.33	43.71	5.879	235.17
15.00	12.6	Flexure	ksi	-34.71	-11.27	-6.65	3.526	141.03
15.00	12.6	Flexure	ksi	-34.20	-5.93	-3.61	6.020	240.82

23.50	19.7	Shear	kip	424.98	52.06	39.64	6.983	279.34
23.50	19.7	Flexure	ksi	-34.71	-6.64	-4.93	5.690	227.59
23.50	19.7	Flexure	ksi	-34.20	-1.57	-1.84	13.654	546.17
23.80	20.0	Shear	kip	404.69	51.63	39.49	6.626	265.03
23.80	20.0	Flexure	ksi	-35.24	-6.64	-4.93	5.798	231.92
23.80	20.0	Flexure	ksi	-34.20	-1.43	-1.78	14.144	565.77
35.70	30.0	Shear	kip	395.43	34.48	32.99	8.214	328.57
35.70	30.0	Flexure	ksi	36.00	3.88	1.92	16.724	668.97
35.70	30.0	Flexure	ksi	34.20	3.11	1.48	16.191	647.65
47.60	40.0	Shear	kip	395.43	17.32	26.02	11.050	441.99
47.60	40.0	Flexure	ksi	36.00	7.29	3.77	7.610	304.39
47.60	40.0	Flexure	ksi	34.20	5.83	2.90	7.519	300.77
59.50	50.0	Shear	kip	395.43	0.17	19.08	15.935	637.39
59.50	50.0	Flexure	ksi	36.00	8.44	4.87	5.657	226.29
59.50	50.0	Flexure	ksi	34.20	6.75	3.75	5.634	225.38
71.40	60.0	Shear	kip	395.43	-16.98	-16.18	17.793	711.72
71.40	60.0	Flexure	ksi	36.00	7.33	5.09	5.631	225.23
71.40	60.0	Flexure	ksi	34.20	5.87	3.92	5.565	222.61
83.30	70.0	Shear	kip	395.43	-34.13	-23.05	11.774	470.96
83.30	70.0	Flexure	ksi	36.00	3.97	4.40	7.280	291.20
83.30	70.0	Flexure	ksi	34.20	3.17	3.38	7.051	282.05
95.20	80.0	Shear	kip	404.69	-51.28	-30.59	8.563	342.53
95.20	80.0	Flexure	ksi	-35.24	-4.13	-3.76	8.265	330.61
95.20	80.0	Flexure	ksi	-34.20	-1.33	-2.37	10.689	427.54
95.50	80.3	Shear	kip	424.98	-51.71	-30.78	9.005	360.20
95.50	80.3	Flexure	ksi	-34.71	-4.13	-3.76	8.123	324.94
95.50	80.3	Flexure	ksi	-34.20	-1.47	-2.38	10.585	423.40
106.00	89.1	Shear	kip	414.51	-66.86	-37.48	6.792	271.67
106.00	89.1	Flexure	ksi	-34.39	-8.85	-4.21	6.072	242.90
106.00	89.1	Flexure	ksi	-34.20	-6.96	-2.83	7.399	295.98
107.10	90.0	Shear	kip	518.17	-68.52	-38.15	8.721	348.83
107.10	90.0	Flexure	ksi	-34.39	-8.85	-4.21	6.072	242.90
107.10	90.0	Flexure	ksi	-34.20	-5.33	-2.07	10.723	428.92
119.00	100.0	Shear	kip	390.83	88.27	47.97	4.498	179.93
119.00	100.0	Flexure	ksi	-35.94	-14.01	-3.61	6.068	242.73
119.00	100.0	Flexure	ksi	-34.20	-11.03	-2.45	7.284	291.37

Span 4

Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)

9.52	10.0	Shear	kip	518.17	73.82	40.63	8.063	322.52
9.52	10.0	Flexure	ksi	-34.08	-11.06	-2.99	7.693	307.72
9.52	10.0	Flexure	ksi	-34.20	-6.26	-1.91	11.238	449.53
13.00	13.6	Shear	kip	414.51	68.57	38.79	6.520	260.80
13.00	13.6	Flexure	ksi	-34.08	-11.06	-2.99	7.693	307.72
13.00	13.6	Flexure	ksi	-34.20	-6.77	-2.55	8.271	330.85
19.05	20.0	Shear	kip	414.51	59.81	35.42	7.379	295.15
19.05	20.0	Flexure	ksi	-34.71	-5.53	-3.60	8.110	324.38
19.05	20.0	Flexure	ksi	-34.20	-3.33	-2.36	10.045	401.79
23.50	24.7	Shear	kip	424.98	53.43	32.80	8.400	336.02
23.50	24.7	Flexure	ksi	-34.71	-5.53	-3.60	8.110	324.38
23.50	24.7	Flexure	ksi	-34.20	-1.11	-2.23	11.397	455.89
28.58	30.0	Shear	kip	395.43	46.15	29.68	8.752	350.09
28.58	30.0	Flexure	ksi	-35.24	-5.53	-3.60	8.258	330.32
28.58	30.0	Flexure	ksi	34.20	1.13	2.97	8.569	342.78
38.10	40.0	Shear	kip	395.43	32.40	23.52	11.606	464.23
38.10	40.0	Flexure	ksi	36.00	5.55	5.18	5.877	235.09
38.10	40.0	Flexure	ksi	34.20	4.44	3.99	5.744	229.76
47.63	50.0	Shear	kip	395.43	18.66	17.80	16.084	643.37
47.63	50.0	Flexure	ksi	36.00	8.24	5.94	4.674	186.95
47.63	50.0	Flexure	ksi	34.20	6.59	4.57	4.648	185.93
57.15	60.0	Shear	kip	395.43	4.92	-14.94	20.671	826.83
57.15	60.0	Flexure	ksi	36.00	9.49	6.12	4.335	173.40
57.15	60.0	Flexure	ksi	34.20	7.59	4.70	4.351	174.03
66.68	70.0	Shear	kip	395.43	-8.75	-20.47	14.445	577.81
66.68	70.0	Flexure	ksi	36.00	9.29	5.64	4.738	189.53
66.68	70.0	Flexure	ksi	34.20	7.43	4.34	4.748	189.94
76.20	80.0	Shear	kip	395.43	-22.49	-26.66	10.598	423.92
76.20	80.0	Flexure	ksi	36.00	7.64	4.68	6.061	242.43
76.20	80.0	Flexure	ksi	34.20	6.11	3.60	6.002	240.10
85.72	90.0	Shear	kip	395.43	-36.24	-33.45	8.053	322.11
85.72	90.0	Flexure	ksi	36.00	4.54	2.84	11.058	442.30
85.72	90.0	Flexure	ksi	34.20	3.63	2.19	10.744	429.77
95.25	100.0	Shear	kip	469.80	-49.98	-40.73	7.692	307.69
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3960.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3960.00

Detailed Rating Results
Wizard Alternative
Type 3S2
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	49.93	37.72	4.016	144.57
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00
9.52	10.0	Shear	kip	395.43	36.19	31.68	8.503	306.10
9.52	10.0	Flexure	ksi	36.00	4.54	2.83	11.120	400.30
9.52	10.0	Flexure	ksi	34.20	3.63	2.18	10.804	388.96
19.05	20.0	Shear	kip	395.43	22.52	25.90	10.906	392.62
19.05	20.0	Flexure	ksi	36.00	7.64	4.69	6.048	217.71
19.05	20.0	Flexure	ksi	34.20	6.11	3.61	5.989	215.62
28.58	30.0	Shear	kip	395.43	8.78	20.46	14.454	520.34
28.58	30.0	Flexure	ksi	36.00	9.28	5.86	4.557	164.05
28.58	30.0	Flexure	ksi	34.20	7.43	4.51	4.567	164.40
38.10	40.0	Shear	kip	395.43	-4.96	15.45	19.997	719.87
38.10	40.0	Flexure	ksi	36.00	9.49	6.27	4.230	152.28
38.10	40.0	Flexure	ksi	34.20	7.59	4.82	4.246	152.84
47.63	50.0	Shear	kip	395.43	-18.63	-18.83	15.202	547.26
47.63	50.0	Flexure	ksi	36.00	8.24	6.06	4.582	164.97
47.63	50.0	Flexure	ksi	34.20	6.59	4.66	4.557	164.06
57.15	60.0	Shear	kip	395.43	-32.37	-24.83	10.997	395.90
57.15	60.0	Flexure	ksi	36.00	5.55	5.38	5.666	203.96
57.15	60.0	Flexure	ksi	34.20	4.44	4.13	5.537	199.34
66.68	70.0	Shear	kip	395.43	-46.12	-30.67	8.471	304.95
66.68	70.0	Flexure	ksi	36.00	1.41	4.06	8.518	306.63
66.68	70.0	Flexure	ksi	34.20	1.13	3.12	8.144	293.17
71.75	75.3	Shear	kip	424.98	-53.40	-33.85	8.139	293.02
71.75	75.3	Flexure	ksi	-34.71	-2.55	-3.25	9.897	356.29
71.75	75.3	Flexure	ksi	34.20	-1.11	2.42	11.241	404.68
76.20	80.0	Shear	kip	414.51	-59.86	-36.20	7.218	259.84
76.20	80.0	Flexure	ksi	-34.01	-8.61	-3.63	6.997	251.88
76.20	80.0	Flexure	ksi	-34.20	-3.34	-2.27	10.482	377.35
82.25	86.4	Shear	kip	414.51	-68.54	-39.48	6.407	230.66
82.25	86.4	Flexure	ksi	-34.01	-8.61	-3.63	6.997	251.88
82.25	86.4	Flexure	ksi	-34.20	-6.77	-2.44	8.631	310.73
85.72	90.0	Shear	kip	518.17	-73.79	-41.11	7.969	286.90
85.72	90.0	Flexure	ksi	-34.01	-8.61	-3.63	6.997	251.88
85.72	90.0	Flexure	ksi	-34.20	-6.26	-1.83	11.728	422.21

95.25	100.0	Shear	kip	390.83	86.57	43.85	4.957	178.46
95.25	100.0	Flexure	ksi	-35.94	-14.01	-3.49	6.289	226.39
95.25	100.0	Flexure	ksi	-34.20	-11.03	-2.36	7.549	271.76
Span 2								
Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	68.54	35.69	9.321	335.56
11.90	10.0	Flexure	ksi	-34.39	-11.12	-3.29	7.078	254.81
11.90	10.0	Flexure	ksi	-34.20	-5.33	-2.00	11.112	400.04
13.00	10.9	Shear	kip	414.51	66.88	35.12	7.248	260.93
13.00	10.9	Flexure	ksi	-34.39	-11.12	-3.29	7.078	254.81
13.00	10.9	Flexure	ksi	-34.20	-6.96	-2.73	7.668	276.05
23.50	19.7	Shear	kip	424.98	51.74	29.49	9.397	338.31
23.50	19.7	Flexure	ksi	-34.71	-6.48	-3.85	7.325	263.72
23.50	19.7	Flexure	ksi	-34.20	-1.47	-2.30	10.969	394.89
23.80	20.0	Shear	kip	404.69	51.31	29.33	8.932	321.54
23.80	20.0	Flexure	ksi	-35.24	-6.48	-3.85	7.464	268.71
23.80	20.0	Flexure	ksi	-34.20	-1.33	-2.28	11.077	398.76
35.70	30.0	Shear	kip	395.43	34.15	22.80	11.899	428.36
35.70	30.0	Flexure	ksi	36.00	3.97	4.62	6.931	249.50
35.70	30.0	Flexure	ksi	34.20	3.17	3.56	6.713	241.66
47.60	40.0	Shear	kip	395.43	17.00	16.53	17.414	626.90
47.60	40.0	Flexure	ksi	36.00	7.33	5.21	5.505	198.17
47.60	40.0	Flexure	ksi	34.20	5.87	4.01	5.441	195.87
59.50	50.0	Shear	kip	395.43	-0.15	-19.82	15.343	552.35
59.50	50.0	Flexure	ksi	36.00	8.44	5.02	5.488	197.57
59.50	50.0	Flexure	ksi	34.20	6.75	3.86	5.466	196.78
71.40	60.0	Shear	kip	395.43	-17.30	-26.63	10.799	388.76
71.40	60.0	Flexure	ksi	36.00	7.29	3.99	7.191	258.89
71.40	60.0	Flexure	ksi	34.20	5.83	3.07	7.106	255.81
83.30	70.0	Shear	kip	395.43	-34.45	-33.47	8.097	291.50
83.30	70.0	Flexure	ksi	36.00	3.88	2.22	14.497	521.91
83.30	70.0	Flexure	ksi	34.20	3.11	1.70	14.035	505.28
95.20	80.0	Shear	kip	404.69	-51.61	-39.85	6.567	236.40
95.20	80.0	Flexure	ksi	-35.24	-4.27	-3.70	8.358	300.91
95.20	80.0	Flexure	ksi	-34.20	-1.43	-1.76	14.311	515.20
95.50	80.3	Shear	kip	424.98	-52.04	-39.99	6.924	249.26
95.50	80.3	Flexure	ksi	-34.71	-4.27	-3.70	8.214	295.71
95.50	80.3	Flexure	ksi	-34.20	-1.57	-1.81	13.840	498.23

104.00	87.4	Shear	kip	414.51	-64.31	-43.91	5.853	210.72
104.00	87.4	Flexure	ksi	-34.39	-9.13	-5.40	4.676	168.32
104.00	87.4	Flexure	ksi	-34.20	-5.93	-3.48	6.250	225.01
107.10	90.0	Shear	kip	518.17	-68.99	-45.07	7.373	265.42
107.10	90.0	Flexure	ksi	-34.39	-9.13	-5.40	4.676	168.32
107.10	90.0	Flexure	ksi	-34.20	-5.42	-3.00	7.390	266.03
119.00	100.0	Shear	kip	390.83	87.04	49.16	4.413	158.88
119.00	100.0	Flexure	ksi	-35.94	-14.18	-7.50	2.901	104.45
119.00	100.0	Flexure	ksi	-34.20	-11.16	-5.08	3.490	125.62

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	69.01	43.01	7.724	278.05
11.90	10.0	Flexure	ksi	-35.94	-11.27	-6.31	3.910	140.76
11.90	10.0	Flexure	ksi	-34.20	-5.42	-3.00	7.387	265.92
15.00	12.6	Shear	kip	414.51	64.33	41.90	6.133	220.79
15.00	12.6	Flexure	ksi	-34.71	-11.27	-6.31	3.715	133.73
15.00	12.6	Flexure	ksi	-34.20	-5.93	-3.48	6.247	224.89
23.50	19.7	Shear	kip	424.98	52.06	38.46	7.199	259.15
23.50	19.7	Flexure	ksi	-34.71	-6.64	-4.76	5.893	212.14
23.50	19.7	Flexure	ksi	-34.20	-1.57	-1.82	13.824	497.66
23.80	20.0	Shear	kip	404.69	51.63	38.33	6.827	245.78
23.80	20.0	Flexure	ksi	-35.24	-6.64	-4.76	6.005	216.18
23.80	20.0	Flexure	ksi	-34.20	-1.43	-1.76	14.297	514.69
35.70	30.0	Shear	kip	395.43	34.48	32.61	8.311	299.19
35.70	30.0	Flexure	ksi	36.00	3.88	2.22	14.452	520.26
35.70	30.0	Flexure	ksi	34.20	3.11	1.71	13.991	503.68
47.60	40.0	Shear	kip	395.43	17.32	26.28	10.940	393.85
47.60	40.0	Flexure	ksi	36.00	7.29	4.00	7.183	258.60
47.60	40.0	Flexure	ksi	34.20	5.83	3.07	7.098	255.52
59.50	50.0	Shear	kip	395.43	0.17	19.82	15.340	552.25
59.50	50.0	Flexure	ksi	36.00	8.44	5.02	5.485	197.46
59.50	50.0	Flexure	ksi	34.20	6.75	3.86	5.463	196.66
71.40	60.0	Shear	kip	395.43	-16.98	-16.75	17.186	618.71
71.40	60.0	Flexure	ksi	36.00	7.33	5.20	5.508	198.27
71.40	60.0	Flexure	ksi	34.20	5.87	4.00	5.444	195.97
83.30	70.0	Shear	kip	395.43	-34.13	-23.41	11.592	417.31
83.30	70.0	Flexure	ksi	36.00	3.97	4.62	6.936	249.70
83.30	70.0	Flexure	ksi	34.20	3.17	3.55	6.718	241.86

95.20	80.0	Shear	kip	404.69	-51.28	-30.50	8.591	309.26
95.20	80.0	Flexure	ksi	-35.24	-4.13	-3.63	8.570	308.52
95.20	80.0	Flexure	ksi	-34.20	-1.33	-2.28	11.083	398.97
95.50	80.3	Shear	kip	424.98	-51.71	-30.67	9.038	325.36
95.50	80.3	Flexure	ksi	-34.71	-4.13	-3.63	8.423	303.22
95.50	80.3	Flexure	ksi	-34.20	-1.47	-2.29	10.975	395.10
106.00	89.1	Shear	kip	414.51	-66.86	-36.79	6.919	249.09
106.00	89.1	Flexure	ksi	-34.39	-8.85	-4.06	6.296	226.66
106.00	89.1	Flexure	ksi	-34.20	-6.96	-2.73	7.672	276.20
107.10	90.0	Shear	kip	518.17	-68.52	-37.39	8.898	320.33
107.10	90.0	Flexure	ksi	-34.39	-8.85	-4.06	6.296	226.66
107.10	90.0	Flexure	ksi	-34.20	-5.33	-2.00	11.118	400.25
119.00	100.0	Shear	kip	390.83	88.27	45.84	4.707	169.47
119.00	100.0	Flexure	ksi	-35.94	-14.01	-3.48	6.292	226.51
119.00	100.0	Flexure	ksi	-34.20	-11.03	-2.36	7.553	271.90

Span 4

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	73.82	39.35	8.325	299.71
9.52	10.0	Flexure	ksi	-34.08	-11.06	-2.87	8.017	288.62
9.52	10.0	Flexure	ksi	-34.20	-6.26	-1.84	11.712	421.64
13.00	13.6	Shear	kip	414.51	68.57	37.80	6.692	240.91
13.00	13.6	Flexure	ksi	-34.08	-11.06	-2.87	8.017	288.62
13.00	13.6	Flexure	ksi	-34.20	-6.77	-2.45	8.620	310.32
19.05	20.0	Shear	kip	414.51	59.81	34.90	7.488	269.56
19.05	20.0	Flexure	ksi	-34.71	-5.53	-3.45	8.451	304.25
19.05	20.0	Flexure	ksi	-34.20	-3.33	-2.27	10.468	376.85
23.50	24.7	Shear	kip	424.98	53.43	32.64	8.443	303.94
23.50	24.7	Flexure	ksi	-34.71	-5.53	-3.45	8.451	304.25
23.50	24.7	Flexure	ksi	34.20	-1.11	2.42	11.239	404.62
28.58	30.0	Shear	kip	395.43	46.15	29.93	8.682	312.54
28.58	30.0	Flexure	ksi	36.00	1.41	4.06	8.515	306.54
28.58	30.0	Flexure	ksi	34.20	1.13	3.12	8.141	293.08
38.10	40.0	Shear	kip	395.43	32.40	24.53	11.131	400.72
38.10	40.0	Flexure	ksi	36.00	5.55	5.38	5.663	203.86
38.10	40.0	Flexure	ksi	34.20	4.44	4.14	5.534	199.23
47.63	50.0	Shear	kip	395.43	18.66	18.83	15.201	547.25
47.63	50.0	Flexure	ksi	36.00	8.24	6.06	4.583	165.00
47.63	50.0	Flexure	ksi	34.20	6.59	4.66	4.558	164.10

57.15	60.0	Shear	kip	395.43	4.92	-15.64	19.746	710.84
57.15	60.0	Flexure	ksi	36.00	9.49	6.27	4.230	152.27
57.15	60.0	Flexure	ksi	34.20	7.59	4.82	4.245	152.82
66.68	70.0	Shear	kip	395.43	-8.75	-20.97	14.105	507.77
66.68	70.0	Flexure	ksi	36.00	9.29	5.86	4.557	164.05
66.68	70.0	Flexure	ksi	34.20	7.43	4.51	4.567	164.40
76.20	80.0	Shear	kip	395.43	-22.49	-26.87	10.515	378.54
76.20	80.0	Flexure	ksi	36.00	7.64	4.69	6.048	217.73
76.20	80.0	Flexure	ksi	34.20	6.11	3.61	5.990	215.64
85.72	90.0	Shear	kip	395.43	-36.24	-33.26	8.098	291.55
85.72	90.0	Flexure	ksi	36.00	4.54	2.83	11.121	400.34
85.72	90.0	Flexure	ksi	34.20	3.63	2.18	10.805	388.99
95.25	100.0	Shear	kip	469.80	-49.98	-40.06	7.821	281.55
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00

Note:

*Adj-LL is only applicable for Permit load rating.

Bridge Name: Piqua Troy Bridge over Great Miami River

NBI Structure ID: 5530741DR

Bridge ID: 5530741 (Deck Replacement)

Analyzed By: BrRAdmin

Analyze Date: Tuesday, January 31, 2023 19:06:44

Analysis Engine: AASHTO LRFR Engine Version 7.2.0.3001

Analysis Preference Setting: None

Report By: BrRAdmin

Report Date: Tuesday, January 31, 2023 19:08:44

Structure Definition Name: Steel Frame

Member Name: Member 2

Member Alternative Name: Wizard Alternative

Load and Resistance Factor Rating Summary

		Girder Summary							
		Rating		Capacity	Location				
Live Load		Factor	Controls	(Ton)	Span	(ft)	Percent	Impact	Lane
EV2	Legal	2.576	STRENGTH-I Steel Shear	74.07	1	0.00	0.0	As Requested	As Requested
EV3	Legal	2.050	STRENGTH-I Steel Shear	88.15	1	0.00	0.0	As Requested	As Requested
HL-93 (US)	Inventory	1.214		43.71	2	119.00	100.0	As Requested	As Requested

			STRENGTH-I Steel Flexure Stress					As Requested	As Requested
HL-93 (US)	Operating	1.574	STRENGTH-I Steel Flexure Stress	56.66	2	119.00	100.0	As Requested	As Requested
OH- 2F1	Legal	4.736	STRENGTH-I Steel Shear	71.04	1	0.00	0.0	As Requested	As Requested
OH- 3F1	Legal	3.169	STRENGTH-I Steel Shear	72.88	1	0.00	0.0	As Requested	As Requested
OH- 4F1	Legal	2.778	STRENGTH-I Steel Shear	75.01	1	0.00	0.0	As Requested	As Requested
OH- 5C1	Legal	2.468	STRENGTH-I Steel Shear	98.72	1	0.00	0.0	As Requested	As Requested
SU4	Legal	2.751	STRENGTH-I Steel Shear	74.27	1	0.00	0.0	As Requested	As Requested
SU5	Legal	2.449	STRENGTH-I Steel Shear	75.91	1	0.00	0.0	As Requested	As Requested
SU6	Legal	2.270	STRENGTH-I Steel Shear	78.88	1	0.00	0.0	As Requested	As Requested
SU7	Legal	2.117	STRENGTH-I Steel Shear	82.04	1	0.00	0.0	As Requested	As Requested
Type 3	Legal	3.014	STRENGTH-I Steel Shear	75.36	1	0.00	0.0	As Requested	As Requested
Type 3 -3	Legal	2.454	STRENGTH-I Steel Shear	98.14	1	0.00	0.0	As Requested	As Requested
Type 3S2	Legal	2.495	STRENGTH-I Steel Shear	89.81	1	0.00	0.0	As Requested	As Requested

Note:

"N/A" indicates not applicable

***" indicates not available

Reactions
Live Load: EV2
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	58.29	Axle Load	-5.78	Axle Load
2	179.47	N/A	67.35	Axle Load	0.00	Axle Load
3	178.74	N/A	67.36	Axle Load	-8.80	Axle Load
4	179.48	N/A	67.60	Axle Load	0.00	Axle Load
5	51.33	N/A	61.91	Axle Load	-6.14	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: EV2
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	135.20	Axle Load	-14.08	Axle Load
6.64(L)	7.0	308.14	N/A	256.72	Axle Load	-28.16	Axle Load
6.64(R)	7.0	308.14	N/A	256.72	Axle Load	-28.16	Axle Load
9.52(B)	10.0	421.44	N/A	351.32	Axle Load	-40.40	Axle Load
13.11(B)	13.8	545.33	N/A	454.83	Axle Load	-55.62	Axle Load
19.05(B)	20.0	708.73	N/A	592.48	Axle Load	-80.80	Axle Load
19.59(L)	20.6	721.01	N/A	602.96	Axle Load	-83.09	Axle Load
19.59(R)	20.6	721.01	N/A	602.96	Axle Load	-83.09	Axle Load
26.06(B)	27.4	834.15	N/A	703.16	Axle Load	-110.55	Axle Load
28.58(B)	30.0	861.47	N/A	729.67	Axle Load	-121.20	Axle Load
32.54(L)	34.2	885.78	N/A	757.92	Axle Load	-138.02	Axle Load
32.54(R)	34.2	885.78	N/A	757.92	Axle Load	-138.02	Axle Load
38.10(B)	40.0	880.13	N/A	771.86	Axle Load	-161.60	Axle Load
39.01(B)	41.0	874.86	N/A	771.42	Axle Load	-165.48	Axle Load
45.49(L)	47.8	802.44	N/A	756.14	Axle Load	-192.94	Axle Load
45.49(R)	47.8	802.44	N/A	756.14	Axle Load	-192.94	Axle Load
47.63(B)	50.0	764.72	N/A	749.18	Axle Load	-202.00	Axle Load
51.96(B)	54.6	667.47	N/A	722.79	Axle Load	-220.41	Axle Load
57.15(B)	60.0	515.02	N/A	670.80	Axle Load	-242.40	Axle Load
58.44(L)	61.4	470.99	N/A	654.54	Axle Load	-247.87	Axle Load
58.44(R)	61.4	470.99	N/A	654.54	Axle Load	-247.87	Axle Load
64.91(B)	68.2	211.97	N/A	555.94	Axle Load	-275.33	Axle Load
66.68(B)	70.0	130.91	N/A	524.51	Axle Load	-282.80	Axle Load
71.39(L)	74.9	-108.56	N/A	420.10	Axle Load	-293.60	Axle Load
71.39(R)	74.9	-108.56	N/A	420.10	Axle Load	-293.60	Axle Load
71.75(B)	75.3	-128.27	N/A	412.81	Axle Load	-295.08	Axle Load
76.20(B)	80.0	-387.28	N/A	320.90	Axle Load	-313.38	Axle Load
77.86(B)	81.7	-491.63	N/A	284.56	Axle Load	-320.23	Axle Load
82.25(B)	86.4	-786.02	N/A	185.46	Axle Load	-338.26	Axle Load
84.34(L)	88.5	-936.37	N/A	139.58	Axle Load	-346.86	Axle Load
84.34(R)	88.5	-936.37	N/A	139.58	Axle Load	-346.86	Axle Load
85.72(B)	90.0	-1040.00	N/A	121.89	Axle Load	-352.55	Axle Load
89.79(B)	94.3	-1361.49	N/A	69.58	Axle Load	-369.29	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-454.46	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-454.46	Axle Load
1.02(B)	0.9	-1742.59	N/A	14.09	Axle Load	-448.48	Axle Load
2.04(L)	1.7	-1654.31	N/A	28.16	Axle Load	-442.50	Axle Load
2.04(R)	1.7	-1654.31	N/A	28.16	Axle Load	-442.50	Axle Load
2.12(B)	1.8	-1647.03	N/A	29.33	Axle Load	-442.01	Axle Load
2.21(L)	1.9	-1639.76	N/A	30.50	Axle Load	-441.51	Axle Load
2.21(R)	1.9	-1639.76	N/A	30.50	Axle Load	-441.51	Axle Load
8.13(B)	6.8	-1160.99	N/A	110.84	Axle Load	-406.76	Axle Load
11.90(B)	10.0	-884.84	N/A	177.87	Axle Load	-384.68	Axle Load
13.00(B)	10.9	-808.29	N/A	202.43	Axle Load	-378.23	Axle Load
14.06(L)	11.8	-736.29	N/A	225.44	Axle Load	-372.02	Axle Load
14.06(R)	11.8	-736.29	N/A	225.44	Axle Load	-372.02	Axle Load
14.13(B)	11.9	-731.26	N/A	227.05	Axle Load	-371.58	Axle Load
14.21(L)	11.9	-726.24	N/A	228.65	Axle Load	-371.14	Axle Load
14.21(R)	11.9	-726.24	N/A	228.65	Axle Load	-371.14	Axle Load
20.06(B)	16.9	-360.52	N/A	346.24	Axle Load	-336.83	Axle Load
23.50(B)	19.7	-168.88	N/A	408.24	Axle Load	-316.66	Axle Load
23.80(B)	20.0	-152.99	N/A	413.44	Axle Load	-314.90	Axle Load
25.91(L)	21.8	-45.01	N/A	435.98	Axle Load	-294.32	Axle Load
25.91(R)	21.8	-45.01	N/A	435.98	Axle Load	-294.32	Axle Load
25.98(B)	21.8	-41.30	N/A	437.12	Axle Load	-293.90	Axle Load
26.06(L)	21.9	-37.59	N/A	438.26	Axle Load	-293.47	Axle Load
26.06(R)	21.9	-37.59	N/A	438.26	Axle Load	-293.47	Axle Load
31.91(B)	26.8	225.48	N/A	516.20	Axle Load	-260.09	Axle Load
35.70(B)	30.0	369.14	N/A	555.41	Axle Load	-238.47	Axle Load
37.76(L)	31.7	438.35	N/A	572.82	Axle Load	-226.72	Axle Load
37.76(R)	31.7	438.35	N/A	572.82	Axle Load	-226.72	Axle Load
37.83(B)	31.8	440.75	N/A	573.39	Axle Load	-226.29	Axle Load
37.91(L)	31.9	443.14	N/A	573.95	Axle Load	-225.86	Axle Load
37.91(R)	31.9	443.14	N/A	573.95	Axle Load	-225.86	Axle Load
43.76(B)	36.8	603.58	N/A	605.68	Axle Load	-192.49	Axle Load
47.60(B)	40.0	681.61	N/A	613.96	Axle Load	-170.58	Axle Load
49.61(L)	41.7	713.81	N/A	614.42	Axle Load	-159.11	Axle Load
49.61(R)	41.7	713.81	N/A	614.42	Axle Load	-159.11	Axle Load
49.68(B)	41.8	714.90	N/A	614.37	Axle Load	-158.68	Axle Load
49.76(L)	41.8	715.97	N/A	614.32	Axle Load	-158.26	Axle Load
49.76(R)	41.8	715.97	N/A	614.32	Axle Load	-158.26	Axle Load
55.61(B)	46.7	773.77	N/A	609.20	Axle Load	-124.88	Axle Load

59.50(B)	50.0	784.42	N/A	594.22	Axle Load	-102.69	Axle Load
61.46(L)	51.6	781.37	N/A	583.05	Axle Load	-91.51	Axle Load
61.46(R)	51.6	781.37	N/A	583.05	Axle Load	-91.51	Axle Load
61.53(B)	51.7	781.13	N/A	582.56	Axle Load	-91.08	Axle Load
61.61(L)	51.8	780.89	N/A	582.07	Axle Load	-90.65	Axle Load
61.61(R)	51.8	780.89	N/A	582.07	Axle Load	-90.65	Axle Load
67.46(B)	56.7	736.06	N/A	533.67	Axle Load	-57.28	Axle Load
71.40(B)	60.0	677.56	N/A	488.83	Axle Load	-34.79	Axle Load
73.31(L)	61.6	641.02	N/A	464.34	Axle Load	-23.90	Axle Load
73.31(R)	61.6	641.02	N/A	464.34	Axle Load	-23.90	Axle Load
73.38(B)	61.7	639.47	N/A	463.33	Axle Load	-23.47	Axle Load
73.46(L)	61.7	637.91	N/A	462.32	Axle Load	-23.05	Axle Load
73.46(R)	61.7	637.91	N/A	462.32	Axle Load	-23.05	Axle Load
79.31(B)	66.6	490.44	N/A	376.57	Axle Load	-4.61	Axle Load
83.30(B)	70.0	361.03	N/A	309.72	Axle Load	-37.52	Axle Load
85.16(L)	71.6	292.76	N/A	277.34	Axle Load	-60.45	Axle Load
85.16(R)	71.6	292.76	N/A	277.34	Axle Load	-60.45	Axle Load
85.23(B)	71.6	289.89	N/A	276.01	Axle Load	-61.41	Axle Load
85.31(L)	71.7	287.02	N/A	274.67	Axle Load	-62.37	Axle Load
85.31(R)	71.7	287.02	N/A	274.67	Axle Load	-62.37	Axle Load
91.16(B)	76.6	36.91	N/A	189.44	Axle Load	-160.59	Axle Load
95.20(B)	80.0	-165.15	N/A	139.66	Axle Load	-246.60	Axle Load
95.50(B)	80.3	-181.11	N/A	136.27	Axle Load	-253.58	Axle Load
97.01(L)	81.5	-263.41	N/A	119.39	Axle Load	-289.06	Axle Load
97.01(R)	81.5	-263.41	N/A	119.39	Axle Load	-289.06	Axle Load
97.08(B)	81.6	-267.59	N/A	118.56	Axle Load	-290.84	Axle Load
97.16(L)	81.6	-271.78	N/A	117.73	Axle Load	-292.62	Axle Load
97.16(R)	81.6	-271.78	N/A	117.73	Axle Load	-292.62	Axle Load
103.01(B)	86.6	-624.52	N/A	145.54	Axle Load	-443.04	Axle Load
104.00(B)	87.4	-689.23	N/A	151.19	Axle Load	-470.21	Axle Load
107.10(B)	90.0	-901.36	N/A	168.88	Axle Load	-559.17	Axle Load
108.86(L)	91.5	-1028.35	N/A	178.92	Axle Load	-610.92	Axle Load
108.86(R)	91.5	-1028.35	N/A	178.92	Axle Load	-610.92	Axle Load
108.93(B)	91.5	-1033.88	N/A	179.34	Axle Load	-613.18	Axle Load
109.01(L)	91.6	-1039.41	N/A	179.77	Axle Load	-615.45	Axle Load
109.01(R)	91.6	-1039.41	N/A	179.77	Axle Load	-615.45	Axle Load
114.00(B)	95.8	-1427.90	N/A	208.27	Axle Load	-767.88	Axle Load
119.00(L)	100.0	-1854.85	N/A	236.77	Axle Load	-930.19	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load

0.00(R)	0.0	-1854.80	N/A	237.22	Axle Load	-929.39	Axle Load
0.93(B)	0.8	-1772.33	N/A	231.91	Axle Load	-898.63	Axle Load
1.86(L)	1.6	-1691.19	N/A	226.60	Axle Load	-868.33	Axle Load
1.86(R)	1.6	-1691.19	N/A	226.60	Axle Load	-868.33	Axle Load
2.03(B)	1.7	-1676.08	N/A	225.60	Axle Load	-862.66	Axle Load
2.21(L)	1.9	-1661.02	N/A	224.60	Axle Load	-856.98	Axle Load
2.21(R)	1.9	-1661.02	N/A	224.60	Axle Load	-856.98	Axle Load
8.13(B)	6.8	-1179.36	N/A	190.73	Axle Load	-671.56	Axle Load
11.90(B)	10.0	-901.36	N/A	169.20	Axle Load	-558.91	Axle Load
14.06(L)	11.8	-751.80	N/A	156.86	Axle Load	-496.68	Axle Load
14.06(R)	11.8	-751.80	N/A	156.86	Axle Load	-496.68	Axle Load
14.13(B)	11.9	-746.74	N/A	156.43	Axle Load	-494.56	Axle Load
14.21(L)	11.9	-741.69	N/A	156.00	Axle Load	-492.44	Axle Load
14.21(R)	11.9	-741.69	N/A	156.00	Axle Load	-492.44	Axle Load
15.00(B)	12.6	-689.04	N/A	151.48	Axle Load	-470.07	Axle Load
20.06(B)	16.9	-373.96	N/A	122.56	Axle Load	-336.55	Axle Load
23.50(B)	19.7	-181.15	N/A	135.66	Axle Load	-253.40	Axle Load
23.80(B)	20.0	-165.16	N/A	139.28	Axle Load	-246.54	Axle Load
25.91(L)	21.8	-56.46	N/A	164.92	Axle Load	-199.67	Axle Load
25.91(R)	21.8	-56.46	N/A	164.92	Axle Load	-199.67	Axle Load
25.98(B)	21.8	-52.72	N/A	165.84	Axle Load	-198.08	Axle Load
26.06(L)	21.9	-48.99	N/A	166.76	Axle Load	-196.49	Axle Load
26.06(R)	21.9	-48.99	N/A	166.76	Axle Load	-196.49	Axle Load
31.91(B)	26.8	216.08	N/A	244.83	Axle Load	-88.43	Axle Load
35.70(B)	30.0	361.02	N/A	309.91	Axle Load	-37.46	Axle Load
37.76(L)	31.7	430.94	N/A	345.14	Axle Load	-17.47	Axle Load
37.76(R)	31.7	430.94	N/A	345.14	Axle Load	-17.47	Axle Load
37.83(B)	31.8	433.36	N/A	346.38	Axle Load	-16.86	Axle Load
37.91(L)	31.9	435.77	N/A	347.63	Axle Load	-16.25	Axle Load
37.91(R)	31.9	435.77	N/A	347.63	Axle Load	-16.25	Axle Load
43.76(B)	36.8	598.20	N/A	437.61	Axle Load	-12.91	Axle Load
47.60(B)	40.0	677.54	N/A	489.00	Axle Load	-34.86	Axle Load
49.61(L)	41.7	710.43	N/A	513.02	Axle Load	-46.35	Axle Load
49.61(R)	41.7	710.43	N/A	513.02	Axle Load	-46.35	Axle Load
49.68(B)	41.8	711.53	N/A	513.86	Axle Load	-46.78	Axle Load
49.76(L)	41.8	712.63	N/A	514.70	Axle Load	-47.20	Axle Load
49.76(R)	41.8	712.63	N/A	514.70	Axle Load	-47.20	Axle Load
55.61(B)	46.7	772.43	N/A	569.48	Axle Load	-80.64	Axle Load
59.50(B)	50.0	784.39	N/A	594.39	Axle Load	-102.88	Axle Load
61.46(L)	51.6	782.01	N/A	603.26	Axle Load	-114.08	Axle Load
61.46(R)	51.6	782.01	N/A	603.26	Axle Load	-114.08	Axle Load
61.53(B)	51.7	781.80	N/A	603.54	Axle Load	-114.51	Axle Load
61.61(L)	51.8	781.59	N/A	603.81	Axle Load	-114.94	Axle Load

61.61(R)	51.8	781.59	N/A	603.81	Axle Load	-114.94	Axle Load
67.46(B)	56.7	738.74	N/A	612.90	Axle Load	-148.38	Axle Load
71.40(B)	60.0	681.58	N/A	613.81	Axle Load	-170.90	Axle Load
73.31(L)	61.6	645.69	N/A	611.10	Axle Load	-181.82	Axle Load
73.31(R)	61.6	645.69	N/A	611.10	Axle Load	-181.82	Axle Load
73.38(B)	61.7	644.17	N/A	610.93	Axle Load	-182.25	Axle Load
73.46(L)	61.7	642.63	N/A	610.76	Axle Load	-182.68	Axle Load
73.46(R)	61.7	642.63	N/A	610.76	Axle Load	-182.68	Axle Load
79.31(B)	66.6	497.15	N/A	586.25	Axle Load	-216.12	Axle Load
83.30(B)	70.0	369.10	N/A	555.29	Axle Load	-238.93	Axle Load
85.16(L)	71.6	301.46	N/A	537.37	Axle Load	-249.55	Axle Load
85.16(R)	71.6	301.46	N/A	537.37	Axle Load	-249.55	Axle Load
85.23(B)	71.6	298.62	N/A	536.59	Axle Load	-249.98	Axle Load
85.31(L)	71.7	295.77	N/A	535.80	Axle Load	-250.41	Axle Load
85.31(R)	71.7	295.77	N/A	535.80	Axle Load	-250.41	Axle Load
91.16(B)	76.6	47.65	N/A	464.34	Axle Load	-283.85	Axle Load
95.20(B)	80.0	-153.04	N/A	413.32	Axle Load	-315.50	Axle Load
95.50(B)	80.3	-168.89	N/A	408.27	Axle Load	-317.26	Axle Load
97.01(L)	81.5	-250.67	N/A	381.88	Axle Load	-326.13	Axle Load
97.01(R)	81.5	-250.67	N/A	381.88	Axle Load	-326.13	Axle Load
97.08(B)	81.6	-254.83	N/A	380.53	Axle Load	-326.57	Axle Load
97.16(L)	81.6	-258.99	N/A	379.17	Axle Load	-327.01	Axle Load
97.16(R)	81.6	-258.99	N/A	379.17	Axle Load	-327.01	Axle Load
103.01(B)	86.6	-609.75	N/A	266.14	Axle Load	-361.39	Axle Load
106.00(B)	89.1	-808.45	N/A	201.79	Axle Load	-378.96	Axle Load
107.10(B)	90.0	-884.89	N/A	177.75	Axle Load	-385.42	Axle Load
108.86(L)	91.5	-1011.02	N/A	138.08	Axle Load	-395.76	Axle Load
108.86(R)	91.5	-1011.02	N/A	138.08	Axle Load	-395.76	Axle Load
108.93(B)	91.5	-1016.50	N/A	136.35	Axle Load	-396.20	Axle Load
109.01(L)	91.6	-1022.00	N/A	135.18	Axle Load	-396.64	Axle Load
109.01(R)	91.6	-1022.00	N/A	135.18	Axle Load	-396.64	Axle Load
114.00(B)	95.8	-1408.06	N/A	68.66	Axle Load	-425.99	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-455.34	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-455.34	Axle Load
0.93(B)	1.0	-1748.95	N/A	11.73	Axle Load	-426.78	Axle Load
1.86(L)	2.0	-1666.67	N/A	23.53	Axle Load	-399.57	Axle Load
1.86(R)	2.0	-1666.67	N/A	23.53	Axle Load	-399.57	Axle Load
2.03(B)	2.1	-1651.34	N/A	25.75	Axle Load	-394.51	Axle Load

2.21(L)	2.3	-1636.07	N/A	27.98	Axle Load	-389.46	Axle Load
2.21(R)	2.3	-1636.07	N/A	27.98	Axle Load	-389.46	Axle Load
8.58(B)	9.0	-1112.19	N/A	109.83	Axle Load	-356.68	Axle Load
9.52(B)	10.0	-1040.20	N/A	121.89	Axle Load	-352.81	Axle Load
13.00(B)	13.6	-786.05	N/A	185.21	Axle Load	-338.51	Axle Load
14.96(L)	15.7	-650.81	N/A	230.27	Axle Load	-330.44	Axle Load
14.96(R)	15.7	-650.81	N/A	230.27	Axle Load	-330.44	Axle Load
15.25(B)	16.0	-631.30	N/A	236.87	Axle Load	-329.25	Axle Load
15.54(L)	16.3	-611.91	N/A	243.43	Axle Load	-328.06	Axle Load
15.54(R)	16.3	-611.91	N/A	243.43	Axle Load	-328.06	Axle Load
19.05(B)	20.0	-387.24	N/A	320.15	Axle Load	-313.61	Axle Load
21.62(B)	22.7	-233.97	N/A	374.72	Axle Load	-303.01	Axle Load
23.50(B)	24.7	-128.43	N/A	412.72	Axle Load	-295.29	Axle Load
27.71(L)	29.1	89.65	N/A	508.97	Axle Load	-286.68	Axle Load
27.71(R)	29.1	89.65	N/A	508.97	Axle Load	-286.68	Axle Load
28.00(B)	29.4	103.69	N/A	514.41	Axle Load	-285.45	Axle Load
28.29(L)	29.7	117.61	N/A	519.79	Axle Load	-284.22	Axle Load
28.29(R)	29.7	117.61	N/A	519.79	Axle Load	-284.22	Axle Load
28.58(B)	30.0	131.18	N/A	525.03	Axle Load	-283.01	Axle Load
34.37(B)	36.1	380.76	N/A	620.64	Axle Load	-258.39	Axle Load
38.10(B)	40.0	515.06	N/A	670.33	Axle Load	-242.58	Axle Load
40.46(L)	42.5	589.58	N/A	696.85	Axle Load	-232.56	Axle Load
40.46(R)	42.5	589.58	N/A	696.85	Axle Load	-232.56	Axle Load
40.75(B)	42.8	598.15	N/A	699.80	Axle Load	-231.33	Axle Load
41.04(L)	43.1	606.60	N/A	702.67	Axle Load	-230.10	Axle Load
41.04(R)	43.1	606.60	N/A	702.67	Axle Load	-230.10	Axle Load
47.12(B)	49.5	754.95	N/A	747.22	Axle Load	-204.27	Axle Load
47.63(B)	50.0	764.73	N/A	749.44	Axle Load	-202.15	Axle Load
53.21(L)	55.9	848.97	N/A	764.19	Axle Load	-178.44	Axle Load
53.21(R)	55.9	848.97	N/A	764.19	Axle Load	-178.44	Axle Load
53.50(B)	56.2	852.08	N/A	765.23	Axle Load	-177.21	Axle Load
53.79(L)	56.5	855.05	N/A	766.18	Axle Load	-175.98	Axle Load
53.79(R)	56.5	855.05	N/A	766.18	Axle Load	-175.98	Axle Load
57.15(B)	60.0	880.30	N/A	771.88	Axle Load	-161.72	Axle Load
59.87(B)	62.9	888.61	N/A	768.93	Axle Load	-150.15	Axle Load
65.96(L)	69.2	867.84	N/A	735.98	Axle Load	-124.33	Axle Load
65.96(R)	69.2	867.84	N/A	735.98	Axle Load	-124.33	Axle Load
66.25(B)	69.6	865.47	N/A	733.47	Axle Load	-123.09	Axle Load
66.54(L)	69.9	862.98	N/A	730.86	Axle Load	-121.86	Axle Load
66.54(R)	69.9	862.98	N/A	730.86	Axle Load	-121.86	Axle Load
66.68(B)	70.0	861.76	N/A	729.61	Axle Load	-121.29	Axle Load
72.62(B)	76.2	781.74	N/A	655.64	Axle Load	-96.04	Axle Load
76.20(B)	80.0	708.66	N/A	592.47	Axle Load	-80.86	Axle Load

78.71(L)	82.6	646.17	N/A	539.36	Axle Load	-70.21	Axle Load
78.71(R)	82.6	646.17	N/A	539.36	Axle Load	-70.21	Axle Load
79.00(B)	82.9	638.33	N/A	532.74	Axle Load	-68.98	Axle Load
79.29(L)	83.2	630.37	N/A	526.02	Axle Load	-67.75	Axle Load
79.29(R)	83.2	630.37	N/A	526.02	Axle Load	-67.75	Axle Load
85.37(B)	89.6	434.33	N/A	362.12	Axle Load	-41.92	Axle Load
85.72(B)	90.0	421.39	N/A	351.32	Axle Load	-40.43	Axle Load
91.46(L)	96.0	183.98	N/A	153.26	Axle Load	-16.09	Axle Load
91.46(R)	96.0	183.98	N/A	153.26	Axle Load	-16.09	Axle Load
91.75(B)	96.3	170.67	N/A	142.17	Axle Load	-14.86	Axle Load
92.04(L)	96.6	157.23	N/A	130.97	Axle Load	-13.63	Axle Load
92.04(R)	96.6	157.23	N/A	130.97	Axle Load	-13.63	Axle Load
93.64(B)	98.3	80.51	N/A	67.09	Axle Load	-6.81	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary

Live Load: EV2

Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	58.29	Axle Load	-5.78	Axle Load
3.32(B)	3.5	46.41	N/A	55.46	Axle Load	-5.78	Axle Load
6.64(L)	7.0	41.54	N/A	52.66	Axle Load	-5.78	Axle Load
6.64(R)	7.0	41.38	N/A	52.66	Axle Load	-5.78	Axle Load
9.52(B)	10.0	37.15	N/A	50.23	Axle Load	-5.78	Axle Load
13.11(B)	13.8	31.88	N/A	47.23	Axle Load	-6.53	Axle Load
19.05(B)	20.0	23.17	N/A	42.35	Axle Load	-10.88	Axle Load
19.59(L)	20.6	22.38	N/A	41.92	Axle Load	-11.34	Axle Load
19.59(R)	20.6	22.22	N/A	41.92	Axle Load	-11.34	Axle Load
26.06(B)	27.4	12.72	N/A	36.74	Axle Load	-16.75	Axle Load
28.58(B)	30.0	9.04	N/A	34.77	Axle Load	-18.83	Axle Load

32.54(L)	34.2	3.22	N/A	31.72	Axle Load	-22.06	Axle Load
32.54(R)	34.2	3.06	N/A	31.72	Axle Load	-22.06	Axle Load
38.10(B)	40.0	-5.09	N/A	27.59	Axle Load	-26.51	Axle Load
39.01(B)	41.0	-6.44	N/A	26.93	Axle Load	-27.23	Axle Load
45.49(L)	47.8	-15.93	N/A	22.37	Axle Load	-32.23	Axle Load
45.49(R)	47.8	-16.09	N/A	22.37	Axle Load	-32.23	Axle Load
47.63(B)	50.0	-19.23	N/A	20.99	Axle Load	-33.94	Axle Load
51.96(B)	54.6	-25.59	N/A	18.13	Axle Load	-37.13	Axle Load
57.15(B)	60.0	-33.20	N/A	15.05	Axle Load	-41.17	Axle Load
58.44(L)	61.4	-35.09	N/A	14.28	Axle Load	-42.07	Axle Load
58.44(R)	61.4	-35.25	N/A	14.28	Axle Load	-42.07	Axle Load
64.91(B)	68.2	-44.75	N/A	10.74	Axle Load	-46.96	Axle Load
66.68(B)	70.0	-47.34	N/A	9.79	Axle Load	-48.10	Axle Load
71.39(L)	74.9	-54.25	N/A	7.39	Axle Load	-51.02	Axle Load
71.39(R)	74.9	-54.41	N/A	7.39	Axle Load	-51.02	Axle Load
71.75(B)	75.3	-54.94	N/A	7.30	Axle Load	-51.86	Axle Load
76.20(B)	80.0	-61.47	N/A	5.22	Axle Load	-54.44	Axle Load
77.86(B)	81.7	-63.91	N/A	4.49	Axle Load	-55.37	Axle Load
82.25(B)	86.4	-70.35	N/A	2.98	Axle Load	-58.38	Axle Load
84.34(L)	88.5	-73.57	N/A	2.44	Axle Load	-59.43	Axle Load
84.34(R)	88.5	-73.73	N/A	2.44	Axle Load	-59.43	Axle Load
85.72(B)	90.0	-75.86	N/A	2.10	Axle Load	-60.11	Axle Load
89.79(B)	94.3	-82.13	N/A	1.14	Axle Load	-61.99	Axle Load
95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-65.03	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	64.22	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	59.94	Axle Load	-0.26	Axle Load
2.04(L)	1.7	85.79	N/A	59.42	Axle Load	-0.52	Axle Load
2.04(R)	1.7	85.71	N/A	59.42	Axle Load	-0.52	Axle Load
2.12(B)	1.8	85.58	N/A	59.38	Axle Load	-0.55	Axle Load
2.21(L)	1.9	85.45	N/A	59.34	Axle Load	-0.57	Axle Load
2.21(R)	1.9	85.37	N/A	59.34	Axle Load	-0.57	Axle Load
8.13(B)	6.8	76.24	N/A	56.14	Axle Load	-2.24	Axle Load
11.90(B)	10.0	70.44	N/A	53.94	Axle Load	-3.40	Axle Load
13.00(B)	10.9	68.74	N/A	53.27	Axle Load	-3.75	Axle Load
14.06(L)	11.8	67.19	N/A	52.62	Axle Load	-4.10	Axle Load
14.06(R)	11.8	67.11	N/A	52.62	Axle Load	-4.10	Axle Load
14.13(B)	11.9	67.00	N/A	52.58	Axle Load	-4.12	Axle Load
14.21(L)	11.9	66.89	N/A	52.53	Axle Load	-4.15	Axle Load

14.21(R)	11.9	66.81	N/A	52.53	Axle Load	-4.15	Axle Load
20.06(B)	16.9	58.22	N/A	48.79	Axle Load	-7.16	Axle Load
23.50(B)	19.7	53.18	N/A	46.48	Axle Load	-9.14	Axle Load
23.80(B)	20.0	52.74	N/A	46.28	Axle Load	-9.32	Axle Load
25.91(L)	21.8	49.64	N/A	44.82	Axle Load	-10.60	Axle Load
25.91(R)	21.8	49.56	N/A	44.82	Axle Load	-10.60	Axle Load
25.98(B)	21.8	49.45	N/A	44.77	Axle Load	-10.64	Axle Load
26.06(L)	21.9	49.34	N/A	44.72	Axle Load	-10.69	Axle Load
26.06(R)	21.9	49.26	N/A	44.72	Axle Load	-10.69	Axle Load
31.91(B)	26.8	40.68	N/A	40.58	Axle Load	-14.42	Axle Load
35.70(B)	30.0	35.12	N/A	37.85	Axle Load	-16.94	Axle Load
37.76(L)	31.7	32.10	N/A	36.36	Axle Load	-18.35	Axle Load
37.76(R)	31.7	32.02	N/A	36.36	Axle Load	-18.35	Axle Load
37.83(B)	31.8	31.91	N/A	36.30	Axle Load	-18.40	Axle Load
37.91(L)	31.9	31.80	N/A	36.25	Axle Load	-18.45	Axle Load
37.91(R)	31.9	31.72	N/A	36.25	Axle Load	-18.45	Axle Load
43.76(B)	36.8	23.13	N/A	31.98	Axle Load	-22.58	Axle Load
47.60(B)	40.0	17.50	N/A	29.20	Axle Load	-25.34	Axle Load
49.61(L)	41.7	14.55	N/A	27.75	Axle Load	-26.80	Axle Load
49.61(R)	41.7	14.47	N/A	27.75	Axle Load	-26.80	Axle Load
49.68(B)	41.8	14.36	N/A	27.70	Axle Load	-26.85	Axle Load
49.76(L)	41.8	14.25	N/A	27.65	Axle Load	-26.91	Axle Load
49.76(R)	41.8	14.17	N/A	27.65	Axle Load	-26.91	Axle Load
55.61(B)	46.7	5.59	N/A	23.50	Axle Load	-31.17	Axle Load
59.50(B)	50.0	-0.12	N/A	20.91	Axle Load	-34.11	Axle Load
61.46(L)	51.6	-2.99	N/A	19.60	Axle Load	-35.53	Axle Load
61.46(R)	51.6	-3.07	N/A	19.60	Axle Load	-35.53	Axle Load
61.53(B)	51.7	-3.18	N/A	19.55	Axle Load	-35.58	Axle Load
61.61(L)	51.8	-3.29	N/A	19.50	Axle Load	-35.64	Axle Load
61.61(R)	51.8	-3.37	N/A	19.50	Axle Load	-35.64	Axle Load
67.46(B)	56.7	-11.96	N/A	15.89	Axle Load	-40.19	Axle Load
71.40(B)	60.0	-17.74	N/A	13.50	Axle Load	-42.95	Axle Load
73.31(L)	61.6	-20.54	N/A	12.40	Axle Load	-44.25	Axle Load
73.31(R)	61.6	-20.62	N/A	12.40	Axle Load	-44.25	Axle Load
73.38(B)	61.7	-20.73	N/A	12.36	Axle Load	-44.30	Axle Load
73.46(L)	61.7	-20.84	N/A	12.31	Axle Load	-44.35	Axle Load
73.46(R)	61.7	-20.92	N/A	12.31	Axle Load	-44.35	Axle Load
79.31(B)	66.6	-29.50	N/A	9.28	Axle Load	-48.80	Axle Load
83.30(B)	70.0	-35.35	N/A	8.46	Axle Load	-51.29	Axle Load
85.16(L)	71.6	-38.08	N/A	8.46	Axle Load	-52.40	Axle Load
85.16(R)	71.6	-38.16	N/A	8.46	Axle Load	-52.40	Axle Load
85.23(B)	71.6	-38.27	N/A	8.46	Axle Load	-52.44	Axle Load
85.31(L)	71.7	-38.38	N/A	8.46	Axle Load	-52.48	Axle Load

85.31(R)	71.7	-38.46	N/A	8.46	Axle Load	-52.48	Axle Load
91.16(B)	76.6	-47.04	N/A	8.57	Axle Load	-56.42	Axle Load
95.20(B)	80.0	-52.97	N/A	8.57	Axle Load	-58.45	Axle Load
95.50(B)	80.3	-53.41	N/A	8.57	Axle Load	-58.59	Axle Load
97.01(L)	81.5	-55.63	N/A	8.57	Axle Load	-59.28	Axle Load
97.01(R)	81.5	-55.71	N/A	8.57	Axle Load	-59.28	Axle Load
97.08(B)	81.6	-55.82	N/A	8.57	Axle Load	-59.31	Axle Load
97.16(L)	81.6	-55.93	N/A	8.57	Axle Load	-59.34	Axle Load
97.16(R)	81.6	-56.01	N/A	8.57	Axle Load	-59.34	Axle Load
103.01(B)	86.6	-64.59	N/A	8.67	Axle Load	-62.46	Axle Load
104.00(B)	87.4	-66.04	N/A	8.67	Axle Load	-62.81	Axle Load
107.10(B)	90.0	-70.82	N/A	8.67	Axle Load	-63.81	Axle Load
108.86(L)	91.5	-73.53	N/A	8.67	Axle Load	-64.31	Axle Load
108.86(R)	91.5	-73.61	N/A	8.67	Axle Load	-64.31	Axle Load
108.93(B)	91.5	-73.73	N/A	8.67	Axle Load	-64.33	Axle Load
109.01(L)	91.6	-73.84	N/A	8.67	Axle Load	-64.35	Axle Load
109.01(R)	91.6	-73.92	N/A	8.67	Axle Load	-64.35	Axle Load
114.00(B)	95.8	-81.62	N/A	8.78	Axle Load	-66.31	Axle Load
119.00(L)	100.0	-89.32	N/A	8.78	Axle Load	-67.07	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	89.42	N/A	67.07	Axle Load	-8.80	Axle Load
0.93(B)	0.8	87.99	N/A	62.77	Axle Load	-8.25	Axle Load
1.86(L)	1.6	86.56	N/A	62.65	Axle Load	-8.25	Axle Load
1.86(R)	1.6	86.48	N/A	62.65	Axle Load	-8.25	Axle Load
2.03(B)	1.7	86.21	N/A	62.63	Axle Load	-8.25	Axle Load
2.21(L)	1.9	85.94	N/A	62.61	Axle Load	-8.25	Axle Load
2.21(R)	1.9	85.86	N/A	62.61	Axle Load	-8.25	Axle Load
8.13(B)	6.8	76.73	N/A	61.55	Axle Load	-8.25	Axle Load
11.90(B)	10.0	70.92	N/A	60.58	Axle Load	-8.25	Axle Load
14.06(L)	11.8	67.60	N/A	59.93	Axle Load	-8.25	Axle Load
14.06(R)	11.8	67.52	N/A	59.93	Axle Load	-8.25	Axle Load
14.13(B)	11.9	67.40	N/A	59.91	Axle Load	-8.25	Axle Load
14.21(L)	11.9	67.29	N/A	59.88	Axle Load	-8.25	Axle Load
14.21(R)	11.9	67.21	N/A	59.88	Axle Load	-8.25	Axle Load
15.00(B)	12.6	65.99	N/A	59.63	Axle Load	-8.25	Axle Load
20.06(B)	16.9	58.56	N/A	57.81	Axle Load	-8.25	Axle Load
23.50(B)	19.7	53.52	N/A	56.34	Axle Load	-8.25	Axle Load
23.80(B)	20.0	53.08	N/A	56.20	Axle Load	-8.25	Axle Load
25.91(L)	21.8	49.98	N/A	55.21	Axle Load	-8.25	Axle Load

25.91(R)	21.8	49.90	N/A	55.21	Axle Load	-8.25	Axle Load
25.98(B)	21.8	49.79	N/A	55.17	Axle Load	-8.25	Axle Load
26.06(L)	21.9	49.68	N/A	55.13	Axle Load	-8.25	Axle Load
26.06(R)	21.9	49.60	N/A	55.13	Axle Load	-8.25	Axle Load
31.91(B)	26.8	41.02	N/A	52.12	Axle Load	-8.25	Axle Load
35.70(B)	30.0	35.46	N/A	49.96	Axle Load	-8.25	Axle Load
37.76(L)	31.7	32.44	N/A	48.72	Axle Load	-8.25	Axle Load
37.76(R)	31.7	32.36	N/A	48.72	Axle Load	-8.25	Axle Load
37.83(B)	31.8	32.25	N/A	48.68	Axle Load	-8.25	Axle Load
37.91(L)	31.9	32.14	N/A	48.63	Axle Load	-8.25	Axle Load
37.91(R)	31.9	32.06	N/A	48.63	Axle Load	-8.25	Axle Load
43.76(B)	36.8	23.47	N/A	44.94	Axle Load	-11.17	Axle Load
47.60(B)	40.0	17.84	N/A	42.38	Axle Load	-13.31	Axle Load
49.61(L)	41.7	14.89	N/A	41.00	Axle Load	-14.50	Axle Load
49.61(R)	41.7	14.81	N/A	41.00	Axle Load	-14.50	Axle Load
49.68(B)	41.8	14.70	N/A	40.95	Axle Load	-14.55	Axle Load
49.76(L)	41.8	14.59	N/A	40.90	Axle Load	-14.59	Axle Load
49.76(R)	41.8	14.51	N/A	40.90	Axle Load	-14.59	Axle Load
55.61(B)	46.7	5.93	N/A	36.79	Axle Load	-18.27	Axle Load
59.50(B)	50.0	0.22	N/A	34.11	Axle Load	-20.91	Axle Load
61.46(L)	51.6	-2.65	N/A	32.69	Axle Load	-22.25	Axle Load
61.46(R)	51.6	-2.73	N/A	32.69	Axle Load	-22.25	Axle Load
61.53(B)	51.7	-2.84	N/A	32.63	Axle Load	-22.30	Axle Load
61.61(L)	51.8	-2.95	N/A	32.58	Axle Load	-22.35	Axle Load
61.61(R)	51.8	-3.03	N/A	32.58	Axle Load	-22.35	Axle Load
67.46(B)	56.7	-11.62	N/A	28.58	Axle Load	-26.73	Axle Load
71.40(B)	60.0	-17.40	N/A	25.68	Axle Load	-29.58	Axle Load
73.31(L)	61.6	-20.20	N/A	24.29	Axle Load	-30.98	Axle Load
73.31(R)	61.6	-20.28	N/A	24.29	Axle Load	-30.98	Axle Load
73.38(B)	61.7	-20.39	N/A	24.23	Axle Load	-31.04	Axle Load
73.46(L)	61.7	-20.50	N/A	24.18	Axle Load	-31.09	Axle Load
73.46(R)	61.7	-20.58	N/A	24.18	Axle Load	-31.09	Axle Load
79.31(B)	66.6	-29.16	N/A	20.22	Axle Load	-35.88	Axle Load
83.30(B)	70.0	-35.01	N/A	17.40	Axle Load	-38.86	Axle Load
85.16(L)	71.6	-37.74	N/A	16.11	Axle Load	-40.24	Axle Load
85.16(R)	71.6	-37.82	N/A	16.11	Axle Load	-40.24	Axle Load
85.23(B)	71.6	-37.93	N/A	16.06	Axle Load	-40.29	Axle Load
85.31(L)	71.7	-38.04	N/A	16.01	Axle Load	-40.35	Axle Load
85.31(R)	71.7	-38.12	N/A	16.01	Axle Load	-40.35	Axle Load
91.16(B)	76.6	-46.70	N/A	12.26	Axle Load	-45.21	Axle Load
95.20(B)	80.0	-52.63	N/A	9.70	Axle Load	-48.12	Axle Load
95.50(B)	80.3	-53.07	N/A	9.51	Axle Load	-48.34	Axle Load
97.01(L)	81.5	-55.29	N/A	8.59	Axle Load	-49.40	Axle Load

97.01(R)	81.5	-55.37	N/A	8.59	Axle Load	-49.40	Axle Load
97.08(B)	81.6	-55.48	N/A	8.55	Axle Load	-49.45	Axle Load
97.16(L)	81.6	-55.59	N/A	8.50	Axle Load	-49.50	Axle Load
97.16(R)	81.6	-55.67	N/A	8.50	Axle Load	-49.50	Axle Load
103.01(B)	86.6	-64.25	N/A	5.20	Axle Load	-54.15	Axle Load
106.00(B)	89.1	-68.64	N/A	3.95	Axle Load	-56.11	Axle Load
107.10(B)	90.0	-70.33	N/A	3.58	Axle Load	-56.81	Axle Load
108.86(L)	91.5	-73.04	N/A	3.00	Axle Load	-57.91	Axle Load
108.86(R)	91.5	-73.12	N/A	3.00	Axle Load	-57.91	Axle Load
108.93(B)	91.5	-73.24	N/A	2.98	Axle Load	-57.95	Axle Load
109.01(L)	91.6	-73.35	N/A	2.95	Axle Load	-58.00	Axle Load
109.01(R)	91.6	-73.43	N/A	2.95	Axle Load	-58.00	Axle Load
114.00(B)	95.8	-81.13	N/A	1.42	Axle Load	-61.72	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-64.48	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	90.65	N/A	65.30	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	60.87	Axle Load	-0.17	Axle Load
1.86(L)	2.0	87.79	N/A	60.51	Axle Load	-0.35	Axle Load
1.86(R)	2.0	87.71	N/A	60.51	Axle Load	-0.35	Axle Load
2.03(B)	2.1	87.44	N/A	60.44	Axle Load	-0.39	Axle Load
2.21(L)	2.3	87.17	N/A	60.37	Axle Load	-0.42	Axle Load
2.21(R)	2.3	87.09	N/A	60.37	Axle Load	-0.42	Axle Load
8.58(B)	9.0	77.26	N/A	57.69	Axle Load	-1.78	Axle Load
9.52(B)	10.0	75.81	N/A	57.25	Axle Load	-2.00	Axle Load
13.00(B)	13.6	70.46	N/A	55.62	Axle Load	-2.84	Axle Load
14.96(L)	15.7	67.58	N/A	54.63	Axle Load	-3.34	Axle Load
14.96(R)	15.7	67.50	N/A	54.63	Axle Load	-3.34	Axle Load
15.25(B)	16.0	67.08	N/A	54.48	Axle Load	-3.44	Axle Load
15.54(L)	16.3	66.65	N/A	54.34	Axle Load	-3.56	Axle Load
15.54(R)	16.3	66.57	N/A	54.34	Axle Load	-3.56	Axle Load
19.05(B)	20.0	61.42	N/A	52.49	Axle Load	-5.04	Axle Load
21.62(B)	22.7	57.65	N/A	51.06	Axle Load	-6.18	Axle Load
23.50(B)	24.7	54.89	N/A	49.99	Axle Load	-7.04	Axle Load
27.71(L)	29.1	48.72	N/A	47.46	Axle Load	-9.10	Axle Load
27.71(R)	29.1	48.64	N/A	47.46	Axle Load	-9.10	Axle Load
28.00(B)	29.4	48.21	N/A	47.28	Axle Load	-9.25	Axle Load
28.29(L)	29.7	47.79	N/A	47.10	Axle Load	-9.40	Axle Load
28.29(R)	29.7	47.71	N/A	47.10	Axle Load	-9.40	Axle Load
28.58(B)	30.0	47.29	N/A	46.92	Axle Load	-9.55	Axle Load

34.37(B)	36.1	38.78	N/A	43.20	Axle Load	-12.69	Axle Load
38.10(B)	40.0	33.32	N/A	40.68	Axle Load	-14.86	Axle Load
40.46(L)	42.5	29.85	N/A	39.03	Axle Load	-16.30	Axle Load
40.46(R)	42.5	29.77	N/A	39.03	Axle Load	-16.30	Axle Load
40.75(B)	42.8	29.35	N/A	38.83	Axle Load	-16.48	Axle Load
41.04(L)	43.1	28.92	N/A	38.62	Axle Load	-16.66	Axle Load
41.04(R)	43.1	28.84	N/A	38.62	Axle Load	-16.66	Axle Load
47.12(B)	49.5	19.92	N/A	34.20	Axle Load	-20.59	Axle Load
47.63(B)	50.0	19.18	N/A	33.93	Axle Load	-20.99	Axle Load
53.21(L)	55.9	10.99	N/A	29.96	Axle Load	-25.06	Axle Load
53.21(R)	55.9	10.91	N/A	29.96	Axle Load	-25.06	Axle Load
53.50(B)	56.2	10.48	N/A	29.73	Axle Load	-25.27	Axle Load
53.79(L)	56.5	10.06	N/A	29.50	Axle Load	-25.48	Axle Load
53.79(R)	56.5	9.98	N/A	29.50	Axle Load	-25.48	Axle Load
57.15(B)	60.0	5.05	N/A	26.84	Axle Load	-27.93	Axle Load
59.87(B)	62.9	1.05	N/A	24.65	Axle Load	-29.97	Axle Load
65.96(L)	69.2	-7.88	N/A	19.90	Axle Load	-35.07	Axle Load
65.96(R)	69.2	-7.96	N/A	19.90	Axle Load	-35.07	Axle Load
66.25(B)	69.6	-8.38	N/A	19.65	Axle Load	-35.30	Axle Load
66.54(L)	69.9	-8.81	N/A	19.41	Axle Load	-35.53	Axle Load
66.54(R)	69.9	-8.89	N/A	19.41	Axle Load	-35.53	Axle Load
66.68(B)	70.0	-9.09	N/A	19.29	Axle Load	-35.64	Axle Load
72.62(B)	76.2	-17.81	N/A	14.41	Axle Load	-40.94	Axle Load
76.20(B)	80.0	-23.06	N/A	11.29	Axle Load	-43.94	Axle Load
78.71(L)	82.6	-26.74	N/A	9.09	Axle Load	-46.07	Axle Load
78.71(R)	82.6	-26.82	N/A	9.09	Axle Load	-46.07	Axle Load
79.00(B)	82.9	-27.25	N/A	8.83	Axle Load	-46.31	Axle Load
79.29(L)	83.2	-27.67	N/A	8.58	Axle Load	-46.56	Axle Load
79.29(R)	83.2	-27.75	N/A	8.58	Axle Load	-46.56	Axle Load
85.37(B)	89.6	-36.68	N/A	6.07	Axle Load	-52.42	Axle Load
85.72(B)	90.0	-37.19	N/A	6.07	Axle Load	-52.73	Axle Load
91.46(L)	96.0	-45.61	N/A	6.14	Axle Load	-58.49	Axle Load
91.46(R)	96.0	-45.69	N/A	6.14	Axle Load	-58.49	Axle Load
91.75(B)	96.3	-46.11	N/A	6.14	Axle Load	-58.75	Axle Load
92.04(L)	96.6	-46.54	N/A	6.14	Axle Load	-59.01	Axle Load
92.04(R)	96.6	-46.62	N/A	6.14	Axle Load	-59.01	Axle Load
93.64(B)	98.3	-48.97	N/A	6.14	Axle Load	-60.46	Axle Load
95.25(L)	100.0	-51.33	N/A	6.14	Axle Load	-61.91	Axle Load

Note:

"N/A" indicates not applicable

*** indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: EV3
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	86.57	Axle Load	-8.62	Axle Load
2	179.47	N/A	100.61	Axle Load	0.00	Axle Load
3	178.74	N/A	100.66	Axle Load	-13.15	Axle Load
4	179.48	N/A	101.04	Axle Load	0.00	Axle Load
5	51.33	N/A	91.96	Axle Load	-9.16	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: EV3
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	200.76	Axle Load	-21.01	Axle Load
6.64(L)	7.0	308.14	N/A	381.05	Axle Load	-42.02	Axle Load
6.64(R)	7.0	308.14	N/A	381.05	Axle Load	-42.02	Axle Load
9.52(B)	10.0	421.44	N/A	521.30	Axle Load	-60.29	Axle Load
13.11(B)	13.8	545.33	N/A	674.72	Axle Load	-83.01	Axle Load
19.05(B)	20.0	708.73	N/A	878.25	Axle Load	-120.58	Axle Load
19.59(L)	20.6	721.01	N/A	893.71	Axle Load	-123.99	Axle Load
19.59(R)	20.6	721.01	N/A	893.71	Axle Load	-123.99	Axle Load
26.06(B)	27.4	834.15	N/A	1041.18	Axle Load	-164.98	Axle Load
28.58(B)	30.0	861.47	N/A	1079.87	Axle Load	-180.87	Axle Load
32.54(L)	34.2	885.78	N/A	1129.93	Axle Load	-205.96	Axle Load
32.54(R)	34.2	885.78	N/A	1129.93	Axle Load	-205.96	Axle Load
38.10(B)	40.0	880.13	N/A	1163.43	Axle Load	-241.15	Axle Load
39.01(B)	41.0	874.86	N/A	1164.69	Axle Load	-246.94	Axle Load
45.49(L)	47.8	802.44	N/A	1145.38	Axle Load	-287.93	Axle Load
45.49(R)	47.8	802.44	N/A	1145.38	Axle Load	-287.93	Axle Load

47.63(B)	50.0	764.72	N/A	1130.85	Axle Load	-301.44	Axle Load
51.96(B)	54.6	667.47	N/A	1084.38	Axle Load	-328.91	Axle Load
57.15(B)	60.0	515.02	N/A	1000.29	Axle Load	-361.73	Axle Load
58.44(L)	61.4	470.99	N/A	974.65	Axle Load	-369.89	Axle Load
58.44(R)	61.4	470.99	N/A	974.65	Axle Load	-369.89	Axle Load
64.91(B)	68.2	211.97	N/A	822.34	Axle Load	-410.88	Axle Load
66.68(B)	70.0	130.91	N/A	775.05	Axle Load	-422.02	Axle Load
71.39(L)	74.9	-108.56	N/A	618.80	Axle Load	-438.13	Axle Load
71.39(R)	74.9	-108.56	N/A	618.80	Axle Load	-438.13	Axle Load
71.75(B)	75.3	-128.27	N/A	608.30	Axle Load	-440.34	Axle Load
76.20(B)	80.0	-387.28	N/A	472.22	Axle Load	-467.66	Axle Load
77.86(B)	81.7	-491.63	N/A	418.71	Axle Load	-477.87	Axle Load
82.25(B)	86.4	-786.02	N/A	274.94	Axle Load	-504.79	Axle Load
84.34(L)	88.5	-936.37	N/A	216.88	Axle Load	-517.61	Axle Load
84.34(R)	88.5	-936.37	N/A	216.88	Axle Load	-517.61	Axle Load
85.72(B)	90.0	-1040.00	N/A	183.02	Axle Load	-526.11	Axle Load
89.79(B)	94.3	-1361.49	N/A	83.93	Axle Load	-551.09	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-678.07	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-678.07	Axle Load
1.02(B)	0.9	-1742.59	N/A	13.04	Axle Load	-669.15	Axle Load
2.04(L)	1.7	-1654.31	N/A	26.05	Axle Load	-660.23	Axle Load
2.04(R)	1.7	-1654.31	N/A	26.05	Axle Load	-660.23	Axle Load
2.12(B)	1.8	-1647.03	N/A	27.14	Axle Load	-659.49	Axle Load
2.21(L)	1.9	-1639.76	N/A	28.22	Axle Load	-658.74	Axle Load
2.21(R)	1.9	-1639.76	N/A	28.22	Axle Load	-658.74	Axle Load
8.13(B)	6.8	-1160.99	N/A	164.51	Axle Load	-606.90	Axle Load
11.90(B)	10.0	-884.84	N/A	260.10	Axle Load	-573.95	Axle Load
13.00(B)	10.9	-808.29	N/A	296.34	Axle Load	-564.33	Axle Load
14.06(L)	11.8	-736.29	N/A	330.42	Axle Load	-555.06	Axle Load
14.06(R)	11.8	-736.29	N/A	330.42	Axle Load	-555.06	Axle Load
14.13(B)	11.9	-731.26	N/A	332.80	Axle Load	-554.40	Axle Load
14.21(L)	11.9	-726.24	N/A	335.16	Axle Load	-553.75	Axle Load
14.21(R)	11.9	-726.24	N/A	335.16	Axle Load	-553.75	Axle Load
20.06(B)	16.9	-360.52	N/A	510.50	Axle Load	-502.56	Axle Load
23.50(B)	19.7	-168.88	N/A	602.99	Axle Load	-472.46	Axle Load
23.80(B)	20.0	-152.99	N/A	610.60	Axle Load	-469.84	Axle Load
25.91(L)	21.8	-45.01	N/A	645.27	Axle Load	-439.14	Axle Load
25.91(R)	21.8	-45.01	N/A	645.27	Axle Load	-439.14	Axle Load

25.98(B)	21.8	-41.30	N/A	647.00	Axle Load	-438.50	Axle Load
26.06(L)	21.9	-37.59	N/A	648.73	Axle Load	-437.86	Axle Load
26.06(R)	21.9	-37.59	N/A	648.73	Axle Load	-437.86	Axle Load
31.91(B)	26.8	225.48	N/A	769.42	Axle Load	-388.07	Axle Load
35.70(B)	30.0	369.14	N/A	830.47	Axle Load	-355.80	Axle Load
37.76(L)	31.7	438.35	N/A	858.48	Axle Load	-338.27	Axle Load
37.76(R)	31.7	438.35	N/A	858.48	Axle Load	-338.27	Axle Load
37.83(B)	31.8	440.75	N/A	859.41	Axle Load	-337.63	Axle Load
37.91(L)	31.9	443.14	N/A	860.32	Axle Load	-336.99	Axle Load
37.91(R)	31.9	443.14	N/A	860.32	Axle Load	-336.99	Axle Load
43.76(B)	36.8	603.58	N/A	914.10	Axle Load	-287.20	Axle Load
47.60(B)	40.0	681.61	N/A	929.77	Axle Load	-254.51	Axle Load
49.61(L)	41.7	713.81	N/A	932.56	Axle Load	-237.40	Axle Load
49.61(R)	41.7	713.81	N/A	932.56	Axle Load	-237.40	Axle Load
49.68(B)	41.8	714.90	N/A	932.57	Axle Load	-236.76	Axle Load
49.76(L)	41.8	715.97	N/A	932.57	Axle Load	-236.12	Axle Load
49.76(R)	41.8	715.97	N/A	932.57	Axle Load	-236.12	Axle Load
55.61(B)	46.7	773.77	N/A	921.09	Axle Load	-186.33	Axle Load
59.50(B)	50.0	784.42	N/A	896.03	Axle Load	-153.21	Axle Load
61.46(L)	51.6	781.37	N/A	877.73	Axle Load	-136.53	Axle Load
61.46(R)	51.6	781.37	N/A	877.73	Axle Load	-136.53	Axle Load
61.53(B)	51.7	781.13	N/A	876.93	Axle Load	-135.89	Axle Load
61.61(L)	51.8	780.89	N/A	876.13	Axle Load	-135.25	Axle Load
61.61(R)	51.8	780.89	N/A	876.13	Axle Load	-135.25	Axle Load
67.46(B)	56.7	736.06	N/A	799.11	Axle Load	-85.46	Axle Load
71.40(B)	60.0	677.56	N/A	731.85	Axle Load	-51.91	Axle Load
73.31(L)	61.6	641.02	N/A	694.99	Axle Load	-35.66	Axle Load
73.31(R)	61.6	641.02	N/A	694.99	Axle Load	-35.66	Axle Load
73.38(B)	61.7	639.47	N/A	693.46	Axle Load	-35.02	Axle Load
73.46(L)	61.7	637.91	N/A	691.93	Axle Load	-34.38	Axle Load
73.46(R)	61.7	637.91	N/A	691.93	Axle Load	-34.38	Axle Load
79.31(B)	66.6	490.44	N/A	563.75	Axle Load	-6.85	Axle Load
83.30(B)	70.0	361.03	N/A	468.19	Axle Load	-55.80	Axle Load
85.16(L)	71.6	292.76	N/A	421.73	Axle Load	-89.90	Axle Load
85.16(R)	71.6	292.76	N/A	421.73	Axle Load	-89.90	Axle Load
85.23(B)	71.6	289.89	N/A	419.80	Axle Load	-91.41	Axle Load
85.31(L)	71.7	287.02	N/A	417.86	Axle Load	-92.91	Axle Load
85.31(R)	71.7	287.02	N/A	417.86	Axle Load	-92.91	Axle Load
91.16(B)	76.6	36.91	N/A	283.44	Axle Load	-239.52	Axle Load
95.20(B)	80.0	-165.15	N/A	203.02	Axle Load	-367.64	Axle Load
95.50(B)	80.3	-181.11	N/A	198.26	Axle Load	-378.09	Axle Load
97.01(L)	81.5	-263.41	N/A	174.21	Axle Load	-430.85	Axle Load
97.01(R)	81.5	-263.41	N/A	174.21	Axle Load	-430.85	Axle Load

97.08(B)	81.6	-267.59	N/A	173.01	Axle Load	-433.50	Axle Load
97.16(L)	81.6	-271.78	N/A	171.81	Axle Load	-436.21	Axle Load
97.16(R)	81.6	-271.78	N/A	171.81	Axle Load	-436.21	Axle Load
103.01(B)	86.6	-624.52	N/A	217.15	Axle Load	-661.11	Axle Load
104.00(B)	87.4	-689.23	N/A	225.58	Axle Load	-701.47	Axle Load
107.10(B)	90.0	-901.36	N/A	251.97	Axle Load	-834.38	Axle Load
108.86(L)	91.5	-1028.35	N/A	266.95	Axle Load	-911.44	Axle Load
108.86(R)	91.5	-1028.35	N/A	266.95	Axle Load	-911.44	Axle Load
108.93(B)	91.5	-1033.88	N/A	267.59	Axle Load	-914.81	Axle Load
109.01(L)	91.6	-1039.41	N/A	268.23	Axle Load	-918.19	Axle Load
109.01(R)	91.6	-1039.41	N/A	268.23	Axle Load	-918.19	Axle Load
114.00(B)	95.8	-1427.90	N/A	310.75	Axle Load	-1147.18	Axle Load
119.00(L)	100.0	-1854.85	N/A	353.27	Axle Load	-1388.62	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1854.80	N/A	354.37	Axle Load	-1388.48	Axle Load
0.93(B)	0.8	-1772.33	N/A	346.43	Axle Load	-1342.94	Axle Load
1.86(L)	1.6	-1691.19	N/A	338.50	Axle Load	-1297.56	Axle Load
1.86(R)	1.6	-1691.19	N/A	338.50	Axle Load	-1297.56	Axle Load
2.03(B)	1.7	-1676.08	N/A	337.00	Axle Load	-1289.02	Axle Load
2.21(L)	1.9	-1661.02	N/A	335.51	Axle Load	-1280.48	Axle Load
2.21(R)	1.9	-1661.02	N/A	335.51	Axle Load	-1280.48	Axle Load
8.13(B)	6.8	-1179.36	N/A	284.91	Axle Load	-1002.47	Axle Load
11.90(B)	10.0	-901.36	N/A	252.76	Axle Load	-833.51	Axle Load
14.06(L)	11.8	-751.80	N/A	234.32	Axle Load	-741.02	Axle Load
14.06(R)	11.8	-751.80	N/A	234.32	Axle Load	-741.02	Axle Load
14.13(B)	11.9	-746.74	N/A	233.68	Axle Load	-737.87	Axle Load
14.21(L)	11.9	-741.69	N/A	233.04	Axle Load	-734.73	Axle Load
14.21(R)	11.9	-741.69	N/A	233.04	Axle Load	-734.73	Axle Load
15.00(B)	12.6	-689.04	N/A	226.29	Axle Load	-701.53	Axle Load
20.06(B)	16.9	-373.96	N/A	183.09	Axle Load	-502.02	Axle Load
23.50(B)	19.7	-181.15	N/A	197.89	Axle Load	-377.73	Axle Load
23.80(B)	20.0	-165.16	N/A	202.72	Axle Load	-367.45	Axle Load
25.91(L)	21.8	-56.46	N/A	241.63	Axle Load	-298.26	Axle Load
25.91(R)	21.8	-56.46	N/A	241.63	Axle Load	-298.26	Axle Load
25.98(B)	21.8	-52.72	N/A	243.19	Axle Load	-295.88	Axle Load
26.06(L)	21.9	-48.99	N/A	244.74	Axle Load	-293.50	Axle Load
26.06(R)	21.9	-48.99	N/A	244.74	Axle Load	-293.50	Axle Load
31.91(B)	26.8	216.08	N/A	374.16	Axle Load	-131.96	Axle Load
35.70(B)	30.0	361.02	N/A	467.27	Axle Load	-55.60	Axle Load

37.76(L)	31.7	430.94	N/A	518.47	Axle Load	-26.00	Axle Load
37.76(R)	31.7	430.94	N/A	518.47	Axle Load	-26.00	Axle Load
37.83(B)	31.8	433.36	N/A	520.27	Axle Load	-25.10	Axle Load
37.91(L)	31.9	435.77	N/A	522.08	Axle Load	-24.21	Axle Load
37.91(R)	31.9	435.77	N/A	522.08	Axle Load	-24.21	Axle Load
43.76(B)	36.8	598.20	N/A	655.10	Axle Load	-19.28	Axle Load
47.60(B)	40.0	677.54	N/A	731.18	Axle Load	-52.08	Axle Load
49.61(L)	41.7	710.43	N/A	767.84	Axle Load	-69.23	Axle Load
49.61(R)	41.7	710.43	N/A	767.84	Axle Load	-69.23	Axle Load
49.68(B)	41.8	711.53	N/A	769.12	Axle Load	-69.87	Axle Load
49.76(L)	41.8	712.63	N/A	770.40	Axle Load	-70.52	Axle Load
49.76(R)	41.8	712.63	N/A	770.40	Axle Load	-70.52	Axle Load
55.61(B)	46.7	772.43	N/A	856.02	Axle Load	-120.47	Axle Load
59.50(B)	50.0	784.39	N/A	895.54	Axle Load	-153.69	Axle Load
61.46(L)	51.6	782.01	N/A	910.72	Axle Load	-170.42	Axle Load
61.46(R)	51.6	782.01	N/A	910.72	Axle Load	-170.42	Axle Load
61.53(B)	51.7	781.80	N/A	911.20	Axle Load	-171.06	Axle Load
61.61(L)	51.8	781.59	N/A	911.68	Axle Load	-171.70	Axle Load
61.61(R)	51.8	781.59	N/A	911.68	Axle Load	-171.70	Axle Load
67.46(B)	56.7	738.74	N/A	931.47	Axle Load	-221.65	Axle Load
71.40(B)	60.0	681.58	N/A	930.18	Axle Load	-255.30	Axle Load
73.31(L)	61.6	645.69	N/A	924.17	Axle Load	-271.61	Axle Load
73.31(R)	61.6	645.69	N/A	924.17	Axle Load	-271.61	Axle Load
73.38(B)	61.7	644.17	N/A	923.83	Axle Load	-272.25	Axle Load
73.46(L)	61.7	642.63	N/A	923.49	Axle Load	-272.89	Axle Load
73.46(R)	61.7	642.63	N/A	923.49	Axle Load	-272.89	Axle Load
79.31(B)	66.6	497.15	N/A	880.11	Axle Load	-322.84	Axle Load
83.30(B)	70.0	369.10	N/A	830.96	Axle Load	-356.91	Axle Load
85.16(L)	71.6	301.46	N/A	802.57	Axle Load	-372.79	Axle Load
85.16(R)	71.6	301.46	N/A	802.57	Axle Load	-372.79	Axle Load
85.23(B)	71.6	298.62	N/A	801.33	Axle Load	-373.43	Axle Load
85.31(L)	71.7	295.77	N/A	800.08	Axle Load	-374.07	Axle Load
85.31(R)	71.7	295.77	N/A	800.08	Axle Load	-374.07	Axle Load
91.16(B)	76.6	47.65	N/A	688.29	Axle Load	-424.02	Axle Load
95.20(B)	80.0	-153.04	N/A	611.27	Axle Load	-471.30	Axle Load
95.50(B)	80.3	-168.89	N/A	603.67	Axle Load	-473.94	Axle Load
97.01(L)	81.5	-250.67	N/A	563.86	Axle Load	-487.19	Axle Load
97.01(R)	81.5	-250.67	N/A	563.86	Axle Load	-487.19	Axle Load
97.08(B)	81.6	-254.83	N/A	561.81	Axle Load	-487.84	Axle Load
97.16(L)	81.6	-258.99	N/A	559.76	Axle Load	-488.50	Axle Load
97.16(R)	81.6	-258.99	N/A	559.76	Axle Load	-488.50	Axle Load
103.01(B)	86.6	-609.75	N/A	390.22	Axle Load	-539.85	Axle Load
106.00(B)	89.1	-808.45	N/A	295.89	Axle Load	-566.09	Axle Load

107.10(B)	90.0	-884.89	N/A	260.59	Axle Load	-575.75	Axle Load
108.86(L)	91.5	-1011.02	N/A	213.89	Axle Load	-591.19	Axle Load
108.86(R)	91.5	-1011.02	N/A	213.89	Axle Load	-591.19	Axle Load
108.93(B)	91.5	-1016.50	N/A	212.07	Axle Load	-591.85	Axle Load
109.01(L)	91.6	-1022.00	N/A	210.24	Axle Load	-592.51	Axle Load
109.01(R)	91.6	-1022.00	N/A	210.24	Axle Load	-592.51	Axle Load
114.00(B)	95.8	-1408.06	N/A	86.06	Axle Load	-636.35	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-680.19	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-680.19	Axle Load
0.93(B)	1.0	-1748.95	N/A	10.85	Axle Load	-637.82	Axle Load
1.86(L)	2.0	-1666.67	N/A	21.77	Axle Load	-596.20	Axle Load
1.86(R)	2.0	-1666.67	N/A	21.77	Axle Load	-596.20	Axle Load
2.03(B)	2.1	-1651.34	N/A	23.83	Axle Load	-588.52	Axle Load
2.21(L)	2.3	-1636.07	N/A	25.89	Axle Load	-580.87	Axle Load
2.21(R)	2.3	-1636.07	N/A	25.89	Axle Load	-580.87	Axle Load
8.58(B)	9.0	-1112.19	N/A	160.11	Axle Load	-531.94	Axle Load
9.52(B)	10.0	-1040.20	N/A	182.81	Axle Load	-526.17	Axle Load
13.00(B)	13.6	-786.05	N/A	274.47	Axle Load	-504.84	Axle Load
14.96(L)	15.7	-650.81	N/A	339.98	Axle Load	-492.81	Axle Load
14.96(R)	15.7	-650.81	N/A	339.98	Axle Load	-492.81	Axle Load
15.25(B)	16.0	-631.30	N/A	349.55	Axle Load	-491.03	Axle Load
15.54(L)	16.3	-611.91	N/A	359.06	Axle Load	-489.25	Axle Load
15.54(R)	16.3	-611.91	N/A	359.06	Axle Load	-489.25	Axle Load
19.05(B)	20.0	-387.24	N/A	470.76	Axle Load	-467.70	Axle Load
21.62(B)	22.7	-233.97	N/A	551.32	Axle Load	-451.90	Axle Load
23.50(B)	24.7	-128.43	N/A	608.15	Axle Load	-440.39	Axle Load
27.71(L)	29.1	89.65	N/A	751.32	Axle Load	-427.54	Axle Load
27.71(R)	29.1	89.65	N/A	751.32	Axle Load	-427.54	Axle Load
28.00(B)	29.4	103.69	N/A	759.22	Axle Load	-425.71	Axle Load
28.29(L)	29.7	117.61	N/A	767.14	Axle Load	-423.87	Axle Load
28.29(R)	29.7	117.61	N/A	767.14	Axle Load	-423.87	Axle Load
28.58(B)	30.0	131.18	N/A	775.13	Axle Load	-422.06	Axle Load
34.37(B)	36.1	380.76	N/A	921.62	Axle Load	-385.35	Axle Load
38.10(B)	40.0	515.06	N/A	999.06	Axle Load	-361.77	Axle Load
40.46(L)	42.5	589.58	N/A	1041.63	Axle Load	-346.83	Axle Load
40.46(R)	42.5	589.58	N/A	1041.63	Axle Load	-346.83	Axle Load
40.75(B)	42.8	598.15	N/A	1046.40	Axle Load	-345.00	Axle Load
41.04(L)	43.1	606.60	N/A	1051.05	Axle Load	-343.16	Axle Load

41.04(R)	43.1	606.60	N/A	1051.05	Axle Load	-343.16	Axle Load
47.12(B)	49.5	754.95	N/A	1127.34	Axle Load	-304.64	Axle Load
47.63(B)	50.0	764.73	N/A	1131.59	Axle Load	-301.47	Axle Load
53.21(L)	55.9	848.97	N/A	1159.63	Axle Load	-266.12	Axle Load
53.21(R)	55.9	848.97	N/A	1159.63	Axle Load	-266.12	Axle Load
53.50(B)	56.2	852.08	N/A	1160.65	Axle Load	-264.29	Axle Load
53.79(L)	56.5	855.05	N/A	1161.55	Axle Load	-262.45	Axle Load
53.79(R)	56.5	855.05	N/A	1161.55	Axle Load	-262.45	Axle Load
57.15(B)	60.0	880.30	N/A	1163.44	Axle Load	-241.18	Axle Load
59.87(B)	62.9	888.61	N/A	1153.08	Axle Load	-223.93	Axle Load
65.96(L)	69.2	867.84	N/A	1089.35	Axle Load	-185.41	Axle Load
65.96(R)	69.2	867.84	N/A	1089.35	Axle Load	-185.41	Axle Load
66.25(B)	69.6	865.47	N/A	1085.67	Axle Load	-183.58	Axle Load
66.54(L)	69.9	862.98	N/A	1081.89	Axle Load	-181.74	Axle Load
66.54(R)	69.9	862.98	N/A	1081.89	Axle Load	-181.74	Axle Load
66.68(B)	70.0	861.76	N/A	1080.09	Axle Load	-180.88	Axle Load
72.62(B)	76.2	781.74	N/A	971.51	Axle Load	-143.22	Axle Load
76.20(B)	80.0	708.66	N/A	878.16	Axle Load	-120.59	Axle Load
78.71(L)	82.6	646.17	N/A	799.66	Axle Load	-104.70	Axle Load
78.71(R)	82.6	646.17	N/A	799.66	Axle Load	-104.70	Axle Load
79.00(B)	82.9	638.33	N/A	789.89	Axle Load	-102.87	Axle Load
79.29(L)	83.2	630.37	N/A	779.98	Axle Load	-101.03	Axle Load
79.29(R)	83.2	630.37	N/A	779.98	Axle Load	-101.03	Axle Load
85.37(B)	89.6	434.33	N/A	537.32	Axle Load	-62.51	Axle Load
85.72(B)	90.0	421.39	N/A	521.32	Axle Load	-60.29	Axle Load
91.46(L)	96.0	183.98	N/A	227.56	Axle Load	-23.99	Axle Load
91.46(R)	96.0	183.98	N/A	227.56	Axle Load	-23.99	Axle Load
91.75(B)	96.3	170.67	N/A	211.10	Axle Load	-22.16	Axle Load
92.04(L)	96.6	157.23	N/A	194.48	Axle Load	-20.32	Axle Load
92.04(R)	96.6	157.23	N/A	194.48	Axle Load	-20.32	Axle Load
93.64(B)	98.3	80.51	N/A	99.64	Axle Load	-10.16	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary

Live Load: EV3
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	86.57	Axle Load	-8.62	Axle Load
3.32(B)	3.5	46.41	N/A	82.36	Axle Load	-8.62	Axle Load
6.64(L)	7.0	41.54	N/A	78.16	Axle Load	-8.62	Axle Load
6.64(R)	7.0	41.38	N/A	78.16	Axle Load	-8.62	Axle Load
9.52(B)	10.0	37.15	N/A	74.53	Axle Load	-8.62	Axle Load
13.11(B)	13.8	31.88	N/A	70.06	Axle Load	-10.24	Axle Load
19.05(B)	20.0	23.17	N/A	62.78	Axle Load	-15.66	Axle Load
19.59(L)	20.6	22.38	N/A	62.13	Axle Load	-16.34	Axle Load
19.59(R)	20.6	22.22	N/A	62.13	Axle Load	-16.34	Axle Load
26.06(B)	27.4	12.72	N/A	54.40	Axle Load	-24.45	Axle Load
28.58(B)	30.0	9.04	N/A	51.46	Axle Load	-27.55	Axle Load
32.54(L)	34.2	3.22	N/A	46.94	Axle Load	-32.41	Axle Load
32.54(R)	34.2	3.06	N/A	46.94	Axle Load	-32.41	Axle Load
38.10(B)	40.0	-5.09	N/A	40.78	Axle Load	-39.07	Axle Load
39.01(B)	41.0	-6.44	N/A	39.79	Axle Load	-40.14	Axle Load
45.49(L)	47.8	-15.93	N/A	33.00	Axle Load	-47.63	Axle Load
45.49(R)	47.8	-16.09	N/A	33.00	Axle Load	-47.63	Axle Load
47.63(B)	50.0	-19.23	N/A	30.93	Axle Load	-50.19	Axle Load
51.96(B)	54.6	-25.59	N/A	26.71	Axle Load	-54.99	Axle Load
57.15(B)	60.0	-33.20	N/A	22.14	Axle Load	-61.06	Axle Load
58.44(L)	61.4	-35.09	N/A	20.99	Axle Load	-62.40	Axle Load
58.44(R)	61.4	-35.25	N/A	20.99	Axle Load	-62.40	Axle Load
64.91(B)	68.2	-44.75	N/A	15.72	Axle Load	-69.73	Axle Load
66.68(B)	70.0	-47.34	N/A	14.30	Axle Load	-71.44	Axle Load
71.39(L)	74.9	-54.25	N/A	10.74	Axle Load	-75.84	Axle Load
71.39(R)	74.9	-54.41	N/A	10.74	Axle Load	-75.84	Axle Load
71.75(B)	75.3	-54.94	N/A	10.61	Axle Load	-77.08	Axle Load
76.20(B)	80.0	-61.47	N/A	7.52	Axle Load	-81.00	Axle Load
77.86(B)	81.7	-63.91	N/A	6.64	Axle Load	-82.38	Axle Load
82.25(B)	86.4	-70.35	N/A	4.58	Axle Load	-86.90	Axle Load
84.34(L)	88.5	-73.57	N/A	3.63	Axle Load	-88.48	Axle Load
84.34(R)	88.5	-73.73	N/A	3.63	Axle Load	-88.48	Axle Load
85.72(B)	90.0	-75.86	N/A	3.01	Axle Load	-89.51	Axle Load
89.79(B)	94.3	-82.13	N/A	1.34	Axle Load	-92.34	Axle Load
95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-96.92	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	95.60	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	89.24	Axle Load	-0.24	Axle Load
2.04(L)	1.7	85.79	N/A	88.46	Axle Load	-0.48	Axle Load
2.04(R)	1.7	85.71	N/A	88.46	Axle Load	-0.48	Axle Load
2.12(B)	1.8	85.58	N/A	88.40	Axle Load	-0.51	Axle Load
2.21(L)	1.9	85.45	N/A	88.33	Axle Load	-0.53	Axle Load
2.21(R)	1.9	85.37	N/A	88.33	Axle Load	-0.53	Axle Load
8.13(B)	6.8	76.24	N/A	83.52	Axle Load	-3.10	Axle Load
11.90(B)	10.0	70.44	N/A	80.20	Axle Load	-5.16	Axle Load
13.00(B)	10.9	68.74	N/A	79.20	Axle Load	-5.79	Axle Load
14.06(L)	11.8	67.19	N/A	78.23	Axle Load	-6.41	Axle Load
14.06(R)	11.8	67.11	N/A	78.23	Axle Load	-6.41	Axle Load
14.13(B)	11.9	67.00	N/A	78.16	Axle Load	-6.46	Axle Load
14.21(L)	11.9	66.89	N/A	78.09	Axle Load	-6.50	Axle Load
14.21(R)	11.9	66.81	N/A	78.09	Axle Load	-6.50	Axle Load
20.06(B)	16.9	58.22	N/A	72.49	Axle Load	-10.34	Axle Load
23.50(B)	19.7	53.18	N/A	69.01	Axle Load	-13.30	Axle Load
23.80(B)	20.0	52.74	N/A	68.70	Axle Load	-13.57	Axle Load
25.91(L)	21.8	49.64	N/A	66.52	Axle Load	-15.46	Axle Load
25.91(R)	21.8	49.56	N/A	66.52	Axle Load	-15.46	Axle Load
25.98(B)	21.8	49.45	N/A	66.45	Axle Load	-15.53	Axle Load
26.06(L)	21.9	49.34	N/A	66.37	Axle Load	-15.60	Axle Load
26.06(R)	21.9	49.26	N/A	66.37	Axle Load	-15.60	Axle Load
31.91(B)	26.8	40.68	N/A	60.19	Axle Load	-21.13	Axle Load
35.70(B)	30.0	35.12	N/A	56.10	Axle Load	-24.90	Axle Load
37.76(L)	31.7	32.10	N/A	53.86	Axle Load	-27.00	Axle Load
37.76(R)	31.7	32.02	N/A	53.86	Axle Load	-27.00	Axle Load
37.83(B)	31.8	31.91	N/A	53.78	Axle Load	-27.08	Axle Load
37.91(L)	31.9	31.80	N/A	53.70	Axle Load	-27.16	Axle Load
37.91(R)	31.9	31.72	N/A	53.70	Axle Load	-27.16	Axle Load
43.76(B)	36.8	23.13	N/A	47.33	Axle Load	-33.28	Axle Load
47.60(B)	40.0	17.50	N/A	43.18	Axle Load	-37.41	Axle Load
49.61(L)	41.7	14.55	N/A	41.02	Axle Load	-39.58	Axle Load
49.61(R)	41.7	14.47	N/A	41.02	Axle Load	-39.58	Axle Load
49.68(B)	41.8	14.36	N/A	40.94	Axle Load	-39.67	Axle Load
49.76(L)	41.8	14.25	N/A	40.86	Axle Load	-39.75	Axle Load
49.76(R)	41.8	14.17	N/A	40.86	Axle Load	-39.75	Axle Load
55.61(B)	46.7	5.59	N/A	34.70	Axle Load	-46.11	Axle Load

59.50(B)	50.0	-0.12	N/A	30.84	Axle Load	-50.51	Axle Load
61.46(L)	51.6	-2.99	N/A	28.89	Axle Load	-52.62	Axle Load
61.46(R)	51.6	-3.07	N/A	28.89	Axle Load	-52.62	Axle Load
61.53(B)	51.7	-3.18	N/A	28.81	Axle Load	-52.70	Axle Load
61.61(L)	51.8	-3.29	N/A	28.74	Axle Load	-52.79	Axle Load
61.61(R)	51.8	-3.37	N/A	28.74	Axle Load	-52.79	Axle Load
67.46(B)	56.7	-11.96	N/A	23.38	Axle Load	-59.60	Axle Load
71.40(B)	60.0	-17.74	N/A	19.84	Axle Load	-63.73	Axle Load
73.31(L)	61.6	-20.54	N/A	18.20	Axle Load	-65.67	Axle Load
73.31(R)	61.6	-20.62	N/A	18.20	Axle Load	-65.67	Axle Load
73.38(B)	61.7	-20.73	N/A	18.14	Axle Load	-65.75	Axle Load
73.46(L)	61.7	-20.84	N/A	18.07	Axle Load	-65.82	Axle Load
73.46(R)	61.7	-20.92	N/A	18.07	Axle Load	-65.82	Axle Load
79.31(B)	66.6	-29.50	N/A	13.60	Axle Load	-72.50	Axle Load
83.30(B)	70.0	-35.35	N/A	12.62	Axle Load	-76.25	Axle Load
85.16(L)	71.6	-38.08	N/A	12.62	Axle Load	-77.90	Axle Load
85.16(R)	71.6	-38.16	N/A	12.62	Axle Load	-77.90	Axle Load
85.23(B)	71.6	-38.27	N/A	12.62	Axle Load	-77.97	Axle Load
85.31(L)	71.7	-38.38	N/A	12.62	Axle Load	-78.03	Axle Load
85.31(R)	71.7	-38.46	N/A	12.62	Axle Load	-78.03	Axle Load
91.16(B)	76.6	-47.04	N/A	12.78	Axle Load	-83.97	Axle Load
95.20(B)	80.0	-52.97	N/A	12.78	Axle Load	-87.02	Axle Load
95.50(B)	80.3	-53.41	N/A	12.78	Axle Load	-87.23	Axle Load
97.01(L)	81.5	-55.63	N/A	12.78	Axle Load	-88.27	Axle Load
97.01(R)	81.5	-55.71	N/A	12.78	Axle Load	-88.27	Axle Load
97.08(B)	81.6	-55.82	N/A	12.78	Axle Load	-88.32	Axle Load
97.16(L)	81.6	-55.93	N/A	12.78	Axle Load	-88.37	Axle Load
97.16(R)	81.6	-56.01	N/A	12.78	Axle Load	-88.37	Axle Load
103.01(B)	86.6	-64.59	N/A	12.94	Axle Load	-93.10	Axle Load
104.00(B)	87.4	-66.04	N/A	12.94	Axle Load	-93.62	Axle Load
107.10(B)	90.0	-70.82	N/A	12.94	Axle Load	-95.15	Axle Load
108.86(L)	91.5	-73.53	N/A	12.94	Axle Load	-95.91	Axle Load
108.86(R)	91.5	-73.61	N/A	12.94	Axle Load	-95.91	Axle Load
108.93(B)	91.5	-73.73	N/A	12.94	Axle Load	-95.94	Axle Load
109.01(L)	91.6	-73.84	N/A	12.94	Axle Load	-95.97	Axle Load
109.01(R)	91.6	-73.92	N/A	12.94	Axle Load	-95.97	Axle Load
114.00(B)	95.8	-81.62	N/A	13.11	Axle Load	-98.97	Axle Load
119.00(L)	100.0	-89.32	N/A	13.11	Axle Load	-100.10	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load

0.00(R)	0.0	89.42	N/A	100.11	Axle Load	-13.15	Axle Load
0.93(B)	0.8	87.99	N/A	93.71	Axle Load	-12.33	Axle Load
1.86(L)	1.6	86.56	N/A	93.53	Axle Load	-12.33	Axle Load
1.86(R)	1.6	86.48	N/A	93.53	Axle Load	-12.33	Axle Load
2.03(B)	1.7	86.21	N/A	93.49	Axle Load	-12.33	Axle Load
2.21(L)	1.9	85.94	N/A	93.45	Axle Load	-12.33	Axle Load
2.21(R)	1.9	85.86	N/A	93.45	Axle Load	-12.33	Axle Load
8.13(B)	6.8	76.73	N/A	91.81	Axle Load	-12.33	Axle Load
11.90(B)	10.0	70.92	N/A	90.33	Axle Load	-12.33	Axle Load
14.06(L)	11.8	67.60	N/A	89.35	Axle Load	-12.33	Axle Load
14.06(R)	11.8	67.52	N/A	89.35	Axle Load	-12.33	Axle Load
14.13(B)	11.9	67.40	N/A	89.32	Axle Load	-12.33	Axle Load
14.21(L)	11.9	67.29	N/A	89.28	Axle Load	-12.33	Axle Load
14.21(R)	11.9	67.21	N/A	89.28	Axle Load	-12.33	Axle Load
15.00(B)	12.6	65.99	N/A	88.90	Axle Load	-12.33	Axle Load
20.06(B)	16.9	58.56	N/A	86.11	Axle Load	-12.33	Axle Load
23.50(B)	19.7	53.52	N/A	83.87	Axle Load	-12.33	Axle Load
23.80(B)	20.0	53.08	N/A	83.66	Axle Load	-12.33	Axle Load
25.91(L)	21.8	49.98	N/A	82.17	Axle Load	-12.33	Axle Load
25.91(R)	21.8	49.90	N/A	82.17	Axle Load	-12.33	Axle Load
25.98(B)	21.8	49.79	N/A	82.12	Axle Load	-12.33	Axle Load
26.06(L)	21.9	49.68	N/A	82.07	Axle Load	-12.33	Axle Load
26.06(R)	21.9	49.60	N/A	82.07	Axle Load	-12.33	Axle Load
31.91(B)	26.8	41.02	N/A	77.52	Axle Load	-12.33	Axle Load
35.70(B)	30.0	35.46	N/A	74.25	Axle Load	-12.33	Axle Load
37.76(L)	31.7	32.44	N/A	72.40	Axle Load	-12.33	Axle Load
37.76(R)	31.7	32.36	N/A	72.40	Axle Load	-12.33	Axle Load
37.83(B)	31.8	32.25	N/A	72.34	Axle Load	-12.33	Axle Load
37.91(L)	31.9	32.14	N/A	72.27	Axle Load	-12.33	Axle Load
37.91(R)	31.9	32.06	N/A	72.27	Axle Load	-12.33	Axle Load
43.76(B)	36.8	23.47	N/A	66.73	Axle Load	-16.37	Axle Load
47.60(B)	40.0	17.84	N/A	62.88	Axle Load	-19.58	Axle Load
49.61(L)	41.7	14.89	N/A	60.82	Axle Load	-21.34	Axle Load
49.61(R)	41.7	14.81	N/A	60.82	Axle Load	-21.34	Axle Load
49.68(B)	41.8	14.70	N/A	60.74	Axle Load	-21.41	Axle Load
49.76(L)	41.8	14.59	N/A	60.67	Axle Load	-21.47	Axle Load
49.76(R)	41.8	14.51	N/A	60.67	Axle Load	-21.47	Axle Load
55.61(B)	46.7	5.93	N/A	54.52	Axle Load	-26.90	Axle Load
59.50(B)	50.0	0.22	N/A	50.50	Axle Load	-30.84	Axle Load
61.46(L)	51.6	-2.65	N/A	48.37	Axle Load	-32.83	Axle Load
61.46(R)	51.6	-2.73	N/A	48.37	Axle Load	-32.83	Axle Load
61.53(B)	51.7	-2.84	N/A	48.29	Axle Load	-32.91	Axle Load
61.61(L)	51.8	-2.95	N/A	48.20	Axle Load	-32.98	Axle Load

61.61(R)	51.8	-3.03	N/A	48.20	Axle Load	-32.98	Axle Load
67.46(B)	56.7	-11.62	N/A	42.24	Axle Load	-39.48	Axle Load
71.40(B)	60.0	-17.40	N/A	37.91	Axle Load	-43.75	Axle Load
73.31(L)	61.6	-20.20	N/A	35.82	Axle Load	-45.84	Axle Load
73.31(R)	61.6	-20.28	N/A	35.82	Axle Load	-45.84	Axle Load
73.38(B)	61.7	-20.39	N/A	35.74	Axle Load	-45.92	Axle Load
73.46(L)	61.7	-20.50	N/A	35.66	Axle Load	-46.01	Axle Load
73.46(R)	61.7	-20.58	N/A	35.66	Axle Load	-46.01	Axle Load
79.31(B)	66.6	-29.16	N/A	29.77	Axle Load	-53.13	Axle Load
83.30(B)	70.0	-35.01	N/A	25.57	Axle Load	-57.60	Axle Load
85.16(L)	71.6	-37.74	N/A	23.65	Axle Load	-59.66	Axle Load
85.16(R)	71.6	-37.82	N/A	23.65	Axle Load	-59.66	Axle Load
85.23(B)	71.6	-37.93	N/A	23.57	Axle Load	-59.74	Axle Load
85.31(L)	71.7	-38.04	N/A	23.50	Axle Load	-59.82	Axle Load
85.31(R)	71.7	-38.12	N/A	23.50	Axle Load	-59.82	Axle Load
91.16(B)	76.6	-46.70	N/A	17.92	Axle Load	-67.08	Axle Load
95.20(B)	80.0	-52.63	N/A	14.11	Axle Load	-71.46	Axle Load
95.50(B)	80.3	-53.07	N/A	13.84	Axle Load	-71.77	Axle Load
97.01(L)	81.5	-55.29	N/A	12.47	Axle Load	-73.36	Axle Load
97.01(R)	81.5	-55.37	N/A	12.47	Axle Load	-73.36	Axle Load
97.08(B)	81.6	-55.48	N/A	12.41	Axle Load	-73.44	Axle Load
97.16(L)	81.6	-55.59	N/A	12.34	Axle Load	-73.52	Axle Load
97.16(R)	81.6	-55.67	N/A	12.34	Axle Load	-73.52	Axle Load
103.01(B)	86.6	-64.25	N/A	7.97	Axle Load	-80.49	Axle Load
106.00(B)	89.1	-68.64	N/A	6.10	Axle Load	-83.42	Axle Load
107.10(B)	90.0	-70.33	N/A	5.44	Axle Load	-84.48	Axle Load
108.86(L)	91.5	-73.04	N/A	4.40	Axle Load	-86.13	Axle Load
108.86(R)	91.5	-73.12	N/A	4.40	Axle Load	-86.13	Axle Load
108.93(B)	91.5	-73.24	N/A	4.36	Axle Load	-86.20	Axle Load
109.01(L)	91.6	-73.35	N/A	4.31	Axle Load	-86.27	Axle Load
109.01(R)	91.6	-73.43	N/A	4.31	Axle Load	-86.27	Axle Load
114.00(B)	95.8	-81.13	N/A	1.57	Axle Load	-91.86	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-95.99	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	90.65	N/A	97.31	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	90.70	Axle Load	-0.16	Axle Load
1.86(L)	2.0	87.79	N/A	90.15	Axle Load	-0.33	Axle Load
1.86(R)	2.0	87.71	N/A	90.15	Axle Load	-0.33	Axle Load
2.03(B)	2.1	87.44	N/A	90.05	Axle Load	-0.36	Axle Load

2.21(L)	2.3	87.17	N/A	89.95	Axle Load	-0.39	Axle Load
2.21(R)	2.3	87.09	N/A	89.95	Axle Load	-0.39	Axle Load
8.58(B)	9.0	77.26	N/A	85.91	Axle Load	-2.51	Axle Load
9.52(B)	10.0	75.81	N/A	85.27	Axle Load	-2.89	Axle Load
13.00(B)	13.6	70.46	N/A	82.77	Axle Load	-4.36	Axle Load
14.96(L)	15.7	67.58	N/A	81.32	Axle Load	-5.25	Axle Load
14.96(R)	15.7	67.50	N/A	81.32	Axle Load	-5.25	Axle Load
15.25(B)	16.0	67.08	N/A	81.10	Axle Load	-5.39	Axle Load
15.54(L)	16.3	66.65	N/A	80.88	Axle Load	-5.52	Axle Load
15.54(R)	16.3	66.57	N/A	80.88	Axle Load	-5.52	Axle Load
19.05(B)	20.0	61.42	N/A	78.09	Axle Load	-7.23	Axle Load
21.62(B)	22.7	57.65	N/A	75.93	Axle Load	-8.94	Axle Load
23.50(B)	24.7	54.89	N/A	74.31	Axle Load	-10.24	Axle Load
27.71(L)	29.1	48.72	N/A	70.51	Axle Load	-13.29	Axle Load
27.71(R)	29.1	48.64	N/A	70.51	Axle Load	-13.29	Axle Load
28.00(B)	29.4	48.21	N/A	70.24	Axle Load	-13.51	Axle Load
28.29(L)	29.7	47.79	N/A	69.97	Axle Load	-13.74	Axle Load
28.29(R)	29.7	47.71	N/A	69.97	Axle Load	-13.74	Axle Load
28.58(B)	30.0	47.29	N/A	69.71	Axle Load	-13.96	Axle Load
34.37(B)	36.1	38.78	N/A	64.11	Axle Load	-18.63	Axle Load
38.10(B)	40.0	33.32	N/A	60.31	Axle Load	-21.85	Axle Load
40.46(L)	42.5	29.85	N/A	57.84	Axle Load	-23.98	Axle Load
40.46(R)	42.5	29.77	N/A	57.84	Axle Load	-23.98	Axle Load
40.75(B)	42.8	29.35	N/A	57.53	Axle Load	-24.25	Axle Load
41.04(L)	43.1	28.92	N/A	57.22	Axle Load	-24.51	Axle Load
41.04(R)	43.1	28.84	N/A	57.22	Axle Load	-24.51	Axle Load
47.12(B)	49.5	19.92	N/A	50.60	Axle Load	-30.35	Axle Load
47.63(B)	50.0	19.18	N/A	50.20	Axle Load	-30.95	Axle Load
53.21(L)	55.9	10.99	N/A	44.23	Axle Load	-37.02	Axle Load
53.21(R)	55.9	10.91	N/A	44.23	Axle Load	-37.02	Axle Load
53.50(B)	56.2	10.48	N/A	43.89	Axle Load	-37.33	Axle Load
53.79(L)	56.5	10.06	N/A	43.55	Axle Load	-37.64	Axle Load
53.79(R)	56.5	9.98	N/A	43.55	Axle Load	-37.64	Axle Load
57.15(B)	60.0	5.05	N/A	39.56	Axle Load	-41.27	Axle Load
59.87(B)	62.9	1.05	N/A	36.27	Axle Load	-44.30	Axle Load
65.96(L)	69.2	-7.88	N/A	29.14	Axle Load	-51.91	Axle Load
65.96(R)	69.2	-7.96	N/A	29.14	Axle Load	-51.91	Axle Load
66.25(B)	69.6	-8.38	N/A	28.78	Axle Load	-52.25	Axle Load
66.54(L)	69.9	-8.81	N/A	28.41	Axle Load	-52.60	Axle Load
66.54(R)	69.9	-8.89	N/A	28.41	Axle Load	-52.60	Axle Load
66.68(B)	70.0	-9.09	N/A	28.24	Axle Load	-52.76	Axle Load
72.62(B)	76.2	-17.81	N/A	20.92	Axle Load	-60.66	Axle Load
76.20(B)	80.0	-23.06	N/A	16.25	Axle Load	-65.12	Axle Load

78.71(L)	82.6	-26.74	N/A	13.87	Axle Load	-68.30	Axle Load
78.71(R)	82.6	-26.82	N/A	13.87	Axle Load	-68.30	Axle Load
79.00(B)	82.9	-27.25	N/A	13.59	Axle Load	-68.67	Axle Load
79.29(L)	83.2	-27.67	N/A	13.32	Axle Load	-69.04	Axle Load
79.29(R)	83.2	-27.75	N/A	13.32	Axle Load	-69.04	Axle Load
85.37(B)	89.6	-36.68	N/A	9.05	Axle Load	-77.79	Axle Load
85.72(B)	90.0	-37.19	N/A	9.05	Axle Load	-78.25	Axle Load
91.46(L)	96.0	-45.61	N/A	9.16	Axle Load	-86.85	Axle Load
91.46(R)	96.0	-45.69	N/A	9.16	Axle Load	-86.85	Axle Load
91.75(B)	96.3	-46.11	N/A	9.16	Axle Load	-87.24	Axle Load
92.04(L)	96.6	-46.54	N/A	9.16	Axle Load	-87.63	Axle Load
92.04(R)	96.6	-46.62	N/A	9.16	Axle Load	-87.63	Axle Load
93.64(B)	98.3	-48.97	N/A	9.16	Axle Load	-89.79	Axle Load
95.25(L)	100.0	-51.33	N/A	9.16	Axle Load	-91.96	Axle Load

Note:

"N/A" indicates not applicable

*** indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: HL-93 (US)
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	91.55	Truck + Lane	-10.38	Truck + Lane
2	179.47	N/A	178.13	90%(Truck Pair + Lane)	0.00	Tandem + Lane
3	178.74	N/A	193.09	90%(Truck Pair + Lane)	-20.16	Truck + Lane
4	179.48	N/A	178.49	90%(Truck Pair + Lane)	0.00	Tandem + Lane
5	51.33	N/A	97.25	Truck + Lane	-11.02	Truck + Lane

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: HL-93 (US)
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Tandem + Lane	0.00	Tandem + Lane
3.32(B)	3.5	162.16	N/A	212.46	Truck + Lane	-25.30	Truck + Lane
6.64(L)	7.0	308.14	N/A	403.61	Truck + Lane	-50.61	Truck + Lane
6.64(R)	7.0	308.14	N/A	403.61	Truck + Lane	-50.61	Truck + Lane
9.52(B)	10.0	421.44	N/A	552.62	Truck + Lane	-72.60	Truck + Lane
13.11(B)	13.8	545.33	N/A	715.92	Truck + Lane	-99.96	Truck + Lane
19.05(B)	20.0	708.73	N/A	933.51	Truck + Lane	-145.21	Truck + Lane
19.59(L)	20.6	721.01	N/A	950.14	Truck + Lane	-149.32	Truck + Lane
19.59(R)	20.6	721.01	N/A	950.14	Truck + Lane	-149.32	Truck + Lane
26.06(B)	27.4	834.15	N/A	1109.32	Truck + Lane	-198.67	Truck + Lane
28.58(B)	30.0	861.47	N/A	1154.83	Truck + Lane	-217.81	Truck + Lane
32.54(L)	34.2	885.78	N/A	1210.40	Truck + Lane	-248.03	Truck + Lane
32.54(R)	34.2	885.78	N/A	1210.40	Truck + Lane	-248.03	Truck + Lane
38.10(B)	40.0	880.13	N/A	1245.24	Truck + Lane	-290.41	Truck + Lane
39.01(B)	41.0	874.86	N/A	1246.46	Truck + Lane	-297.38	Truck + Lane
45.49(L)	47.8	802.44	N/A	1226.78	Truck + Lane	-346.74	Truck + Lane
45.49(R)	47.8	802.44	N/A	1226.78	Truck + Lane	-346.74	Truck + Lane
47.63(B)	50.0	764.72	N/A	1212.50	Truck + Lane	-363.01	Truck + Lane
51.96(B)	54.6	667.47	N/A	1161.85	Truck + Lane	-396.09	Truck + Lane
57.15(B)	60.0	515.02	N/A	1067.70	Truck + Lane	-435.62	Truck + Lane
58.44(L)	61.4	470.99	N/A	1038.45	Truck + Lane	-445.44	Truck + Lane

58.44(R)	61.4	470.99	N/A	1038.45	Truck + Lane	-445.44	Truck + Lane
64.91(B)	68.2	211.97	N/A	862.17	Truck + Lane	-494.80	Truck + Lane
66.68(B)	70.0	130.91	N/A	806.17	Truck + Lane	-508.22	Truck + Lane
71.39(L)	74.9	-108.56	N/A	620.93	Truck + Lane	-527.62	Truck + Lane
71.39(R)	74.9	-108.56	N/A	620.93	Truck + Lane	-527.62	Truck + Lane
71.75(B)	75.3	-128.27	N/A	607.84	Truck + Lane	-530.29	Truck + Lane
76.20(B)	80.0	-387.28	N/A	441.26	Truck + Lane	-565.88	Truck + Lane
77.86(B)	81.7	-491.63	N/A	379.46	Truck + Lane	-584.35	Truck + Lane
82.25(B)	86.4	-786.02	N/A	250.10	Tandem + Lane	-702.03	90%(Truck Pair + Lane)
84.34(L)	88.5	-936.37	N/A	198.86	Tandem + Lane	-788.17	90%(Truck Pair + Lane)
84.34(R)	88.5	-936.37	N/A	198.86	Tandem + Lane	-788.17	90%(Truck Pair + Lane)
85.72(B)	90.0	-1040.00	N/A	165.49	Tandem + Lane	-848.81	90%(Truck Pair + Lane)
89.79(B)	94.3	-1361.49	N/A	73.30	Tandem + Lane	-1048.30	90%(Truck Pair + Lane)
95.25(L)	100.0	-1832.48	N/A	0.00	Tandem + Lane	-1351.87	90%(Truck Pair + Lane)

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Tandem + Lane	-1351.87	90%(Truck Pair + Lane)
1.02(B)	0.9	-1742.59	N/A	13.68	Truck + Lane	-1293.01	90%(Truck Pair + Lane)
2.04(L)	1.7	-1654.31	N/A	27.81	Truck + Lane	-1238.48	

							90%(Truck Pair + Lane)
2.04(R)	1.7	-1654.31	N/A	27.81	Truck + Lane	-1238.48	90%(Truck Pair + Lane)
2.12(B)	1.8	-1647.03	N/A	29.01	Truck + Lane	-1233.85	90%(Truck Pair + Lane)
2.21(L)	1.9	-1639.76	N/A	30.21	Truck + Lane	-1229.22	90%(Truck Pair + Lane)
2.21(R)	1.9	-1639.76	N/A	30.21	Truck + Lane	-1229.22	90%(Truck Pair + Lane)
8.13(B)	6.8	-1160.99	N/A	147.54	Tandem + Lane	-932.84	90%(Truck Pair + Lane)
11.90(B)	10.0	-884.84	N/A	239.69	Tandem + Lane	-780.94	90%(Truck Pair + Lane)
13.00(B)	10.9	-808.29	N/A	267.32	Tandem + Lane	-741.20	90%(Truck Pair + Lane)
14.06(L)	11.8	-736.29	N/A	293.99	Tandem + Lane	-706.97	90%(Truck Pair + Lane)
14.06(R)	11.8	-736.29	N/A	293.99	Tandem + Lane	-706.97	90%(Truck Pair + Lane)
14.13(B)	11.9	-731.26	N/A	295.88	Tandem + Lane	-704.60	90%(Truck Pair + Lane)
14.21(L)	11.9	-726.24	N/A	297.77	Tandem + Lane	-702.23	90%(Truck Pair + Lane)
14.21(R)	11.9	-726.24	N/A	297.77	Tandem + Lane	-702.23	90%(Truck Pair + Lane)
20.06(B)	16.9	-360.52	N/A	484.12	Truck + Lane	-598.23	Truck + Lane
23.50(B)	19.7	-168.88	N/A	595.07	Truck + Lane	-558.45	Truck + Lane
23.80(B)	20.0	-152.99	N/A	604.40	Truck + Lane	-555.23	Truck + Lane
25.91(L)	21.8	-45.01	N/A	650.64	Truck + Lane	-518.60	Truck + Lane
25.91(R)	21.8	-45.01	N/A	650.64	Truck + Lane	-518.60	Truck + Lane

25.98(B)	21.8	-41.30	N/A	652.78	Truck + Lane	-517.85	Truck + Lane
26.06(L)	21.9	-37.59	N/A	654.92	Truck + Lane	-517.09	Truck + Lane
26.06(R)	21.9	-37.59	N/A	654.92	Truck + Lane	-517.09	Truck + Lane
31.91(B)	26.8	225.48	N/A	801.16	Truck + Lane	-458.28	Truck + Lane
35.70(B)	30.0	369.14	N/A	874.61	Truck + Lane	-420.17	Truck + Lane
37.76(L)	31.7	438.35	N/A	908.15	Truck + Lane	-399.47	Truck + Lane
37.76(R)	31.7	438.35	N/A	908.15	Truck + Lane	-399.47	Truck + Lane
37.83(B)	31.8	440.75	N/A	909.27	Truck + Lane	-398.72	Truck + Lane
37.91(L)	31.9	443.14	N/A	910.38	Truck + Lane	-397.96	Truck + Lane
37.91(R)	31.9	443.14	N/A	910.38	Truck + Lane	-397.96	Truck + Lane
43.76(B)	36.8	603.58	N/A	974.53	Truck + Lane	-339.16	Truck + Lane
47.60(B)	40.0	681.61	N/A	993.41	Truck + Lane	-300.55	Truck + Lane
49.61(L)	41.7	713.81	N/A	996.92	Truck + Lane	-280.35	Truck + Lane
49.61(R)	41.7	713.81	N/A	996.92	Truck + Lane	-280.35	Truck + Lane
49.68(B)	41.8	714.90	N/A	996.94	Truck + Lane	-279.60	Truck + Lane
49.76(L)	41.8	715.97	N/A	996.96	Truck + Lane	-278.84	Truck + Lane
49.76(R)	41.8	715.97	N/A	996.96	Truck + Lane	-278.84	Truck + Lane
55.61(B)	46.7	773.77	N/A	986.34	Truck + Lane	-220.04	Truck + Lane
59.50(B)	50.0	784.42	N/A	957.42	Truck + Lane	-180.93	Truck + Lane
61.46(L)	51.6	781.37	N/A	936.16	Truck + Lane	-161.23	Truck + Lane
61.46(R)	51.6	781.37	N/A	936.16	Truck + Lane	-161.23	Truck + Lane
61.53(B)	51.7	781.13	N/A	935.24	Truck + Lane	-160.48	Truck + Lane
61.61(L)	51.8	780.89	N/A	934.32	Truck + Lane	-159.72	Truck + Lane
61.61(R)	51.8	780.89	N/A	934.32		-159.72	

					Truck + Lane		Truck + Lane
67.46(B)	56.7	736.06	N/A	844.37	Truck + Lane	-100.92	Truck + Lane
71.40(B)	60.0	677.56	N/A	761.86	Truck + Lane	-61.31	Truck + Lane
73.31(L)	61.6	641.02	N/A	716.42	Truck + Lane	-42.11	Truck + Lane
73.31(R)	61.6	641.02	N/A	716.42	Truck + Lane	-42.11	Truck + Lane
73.38(B)	61.7	639.47	N/A	714.54	Truck + Lane	-41.36	Truck + Lane
73.46(L)	61.7	637.91	N/A	712.66	Truck + Lane	-40.60	Truck + Lane
73.46(R)	61.7	637.91	N/A	712.66	Truck + Lane	-40.60	Truck + Lane
79.31(B)	66.6	490.44	N/A	559.20	Truck + Lane	-6.46	Tandem + Lane
83.30(B)	70.0	361.03	N/A	455.24	Truck + Lane	-53.57	Truck + Lane
85.16(L)	71.6	292.76	N/A	407.54	Truck + Lane	-91.35	Truck + Lane
85.16(R)	71.6	292.76	N/A	407.54	Truck + Lane	-91.35	Truck + Lane
85.23(B)	71.6	289.89	N/A	405.60	Truck + Lane	-93.09	Truck + Lane
85.31(L)	71.7	287.02	N/A	403.67	Truck + Lane	-94.83	Truck + Lane
85.31(R)	71.7	287.02	N/A	403.67	Truck + Lane	-94.83	Truck + Lane
91.16(B)	76.6	36.91	N/A	292.25	Tandem + Lane	-262.24	Truck + Lane
95.20(B)	80.0	-165.15	N/A	237.52	Tandem + Lane	-416.29	Truck + Lane
95.50(B)	80.3	-181.11	N/A	233.85	Tandem + Lane	-426.45	Truck + Lane
97.01(L)	81.5	-263.41	N/A	215.64	Tandem + Lane	-493.16	Truck + Lane
97.01(R)	81.5	-263.41	N/A	215.64	Tandem + Lane	-493.16	Truck + Lane
97.08(B)	81.6	-267.59	N/A	214.83	Truck + Lane	-496.41	Truck + Lane
97.16(L)	81.6	-271.78	N/A	215.39	Truck + Lane	-499.67	Truck + Lane
97.16(R)	81.6	-271.78	N/A	215.39	Truck + Lane	-499.67	Truck + Lane
103.01(B)	86.6	-624.52	N/A	263.21		-781.21	

					Truck + Lane		Truck + Lane
104.00(B)	87.4	-689.23	N/A	271.96	Truck + Lane	-833.28	Truck + Lane
107.10(B)	90.0	-901.36	N/A	300.38	Truck + Lane	-1000.05	Truck + Lane
108.86(L)	91.5	-1028.35	N/A	317.04	Truck + Lane	-1102.32	Truck + Lane
108.86(R)	91.5	-1028.35	N/A	317.04	Truck + Lane	-1102.32	Truck + Lane
108.93(B)	91.5	-1033.88	N/A	317.76	Truck + Lane	-1106.60	Truck + Lane
109.01(L)	91.6	-1039.41	N/A	318.47	Truck + Lane	-1110.89	Truck + Lane
109.01(R)	91.6	-1039.41	N/A	318.47	Truck + Lane	-1110.89	Truck + Lane
114.00(B)	95.8	-1427.90	N/A	367.25	Truck + Lane	-1411.57	Truck + Lane
119.00(L)	100.0	-1854.85	N/A	417.18	Truck + Lane	-1732.91	Truck + Lane

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1854.80	N/A	417.70	Truck + Lane	-1733.39	Truck + Lane
0.93(B)	0.8	-1772.33	N/A	408.34	Truck + Lane	-1671.72	Truck + Lane
1.86(L)	1.6	-1691.19	N/A	398.99	Truck + Lane	-1611.00	Truck + Lane
1.86(R)	1.6	-1691.19	N/A	398.99	Truck + Lane	-1611.00	Truck + Lane
2.03(B)	1.7	-1676.08	N/A	397.24	Truck + Lane	-1599.66	Truck + Lane
2.21(L)	1.9	-1661.02	N/A	395.48	Truck + Lane	-1588.33	Truck + Lane
2.21(R)	1.9	-1661.02	N/A	395.48	Truck + Lane	-1588.33	Truck + Lane
8.13(B)	6.8	-1179.36	N/A	336.80	Truck + Lane	-1220.07	Truck + Lane
11.90(B)	10.0	-901.36	N/A	300.74	Truck + Lane	-1002.38	Truck + Lane
14.06(L)	11.8	-751.80	N/A	280.77	Truck + Lane	-883.82	Truck + Lane
14.06(R)	11.8	-751.80	N/A	280.77	Truck + Lane	-883.82	Truck + Lane

14.13(B)	11.9	-746.74	N/A	280.09	Truck + Lane	-879.79	Truck + Lane
14.21(L)	11.9	-741.69	N/A	279.41	Truck + Lane	-875.77	Truck + Lane
14.21(R)	11.9	-741.69	N/A	279.41	Truck + Lane	-875.77	Truck + Lane
15.00(B)	12.6	-689.04	N/A	272.30	Truck + Lane	-833.60	Truck + Lane
20.06(B)	16.9	-373.96	N/A	229.32	Truck + Lane	-580.12	Truck + Lane
23.50(B)	19.7	-181.15	N/A	232.74	Tandem + Lane	-428.51	Truck + Lane
23.80(B)	20.0	-165.16	N/A	236.27	Tandem + Lane	-416.22	Truck + Lane
25.91(L)	21.8	-56.46	N/A	264.64	Tandem + Lane	-332.39	Truck + Lane
25.91(R)	21.8	-56.46	N/A	264.64	Tandem + Lane	-332.39	Truck + Lane
25.98(B)	21.8	-52.72	N/A	265.69	Tandem + Lane	-329.55	Truck + Lane
26.06(L)	21.9	-48.99	N/A	266.73	Tandem + Lane	-326.72	Truck + Lane
26.06(R)	21.9	-48.99	N/A	266.73	Tandem + Lane	-326.72	Truck + Lane
31.91(B)	26.8	216.08	N/A	360.58	Truck + Lane	-138.78	Truck + Lane
35.70(B)	30.0	361.02	N/A	454.80	Truck + Lane	-55.01	Truck + Lane
37.76(L)	31.7	430.94	N/A	508.95	Truck + Lane	-23.76	Truck + Lane
37.76(R)	31.7	430.94	N/A	508.95	Truck + Lane	-23.76	Truck + Lane
37.83(B)	31.8	433.36	N/A	510.91	Truck + Lane	-22.93	Truck + Lane
37.91(L)	31.9	435.77	N/A	512.88	Truck + Lane	-22.10	Truck + Lane
37.91(R)	31.9	435.77	N/A	512.88	Truck + Lane	-22.10	Truck + Lane
43.76(B)	36.8	598.20	N/A	667.31	Truck + Lane	-22.73	Truck + Lane
47.60(B)	40.0	677.54	N/A	761.56	Truck + Lane	-61.38	Truck + Lane
49.61(L)	41.7	710.43	N/A	806.05	Truck + Lane	-81.61	Truck + Lane
49.61(R)	41.7	710.43	N/A	806.05	Truck + Lane	-81.61	Truck + Lane
49.68(B)	41.8	711.53	N/A	807.60		-82.36	

					Truck + Lane		Truck + Lane
49.76(L)	41.8	712.63	N/A	809.17	Truck + Lane	-83.12	Truck + Lane
49.76(R)	41.8	712.63	N/A	809.17	Truck + Lane	-83.12	Truck + Lane
55.61(B)	46.7	772.43	N/A	911.17	Truck + Lane	-141.99	Truck + Lane
59.50(B)	50.0	784.39	N/A	957.20	Truck + Lane	-181.15	Truck + Lane
61.46(L)	51.6	782.01	N/A	974.38	Truck + Lane	-200.87	Truck + Lane
61.46(R)	51.6	782.01	N/A	974.38	Truck + Lane	-200.87	Truck + Lane
61.53(B)	51.7	781.80	N/A	974.92	Truck + Lane	-201.63	Truck + Lane
61.61(L)	51.8	781.59	N/A	975.47	Truck + Lane	-202.38	Truck + Lane
61.61(R)	51.8	781.59	N/A	975.47	Truck + Lane	-202.38	Truck + Lane
67.46(B)	56.7	738.74	N/A	996.11	Truck + Lane	-261.26	Truck + Lane
71.40(B)	60.0	681.58	N/A	993.66	Truck + Lane	-300.92	Truck + Lane
73.31(L)	61.6	645.69	N/A	986.23	Truck + Lane	-320.14	Truck + Lane
73.31(R)	61.6	645.69	N/A	986.23	Truck + Lane	-320.14	Truck + Lane
73.38(B)	61.7	644.17	N/A	985.83	Truck + Lane	-320.90	Truck + Lane
73.46(L)	61.7	642.63	N/A	985.42	Truck + Lane	-321.65	Truck + Lane
73.46(R)	61.7	642.63	N/A	985.42	Truck + Lane	-321.65	Truck + Lane
79.31(B)	66.6	497.15	N/A	934.50	Truck + Lane	-380.53	Truck + Lane
83.30(B)	70.0	369.10	N/A	874.88	Truck + Lane	-420.69	Truck + Lane
85.16(L)	71.6	301.46	N/A	840.67	Truck + Lane	-439.41	Truck + Lane
85.16(R)	71.6	301.46	N/A	840.67	Truck + Lane	-439.41	Truck + Lane
85.23(B)	71.6	298.62	N/A	839.19	Truck + Lane	-440.16	Truck + Lane
85.31(L)	71.7	295.77	N/A	837.70	Truck + Lane	-440.92	Truck + Lane
85.31(R)	71.7	295.77	N/A	837.70		-440.92	

					Truck + Lane		Truck + Lane
91.16(B)	76.6	47.65	N/A	703.56	Truck + Lane	-499.80	Truck + Lane
95.20(B)	80.0	-153.04	N/A	604.74	Truck + Lane	-555.91	Truck + Lane
95.50(B)	80.3	-168.89	N/A	595.40	Truck + Lane	-559.14	Truck + Lane
97.01(L)	81.5	-250.67	N/A	547.09	Truck + Lane	-575.89	Truck + Lane
97.01(R)	81.5	-250.67	N/A	547.09	Truck + Lane	-575.89	Truck + Lane
97.08(B)	81.6	-254.83	N/A	544.64	Truck + Lane	-576.75	Truck + Lane
97.16(L)	81.6	-258.99	N/A	542.18	Truck + Lane	-577.61	Truck + Lane
97.16(R)	81.6	-258.99	N/A	542.18	Truck + Lane	-577.61	Truck + Lane
103.01(B)	86.6	-609.75	N/A	348.14	Truck + Lane	-656.22	Truck + Lane
106.00(B)	89.1	-808.45	N/A	266.87	Tandem + Lane	-741.88	90%(Truck Pair + Lane)
107.10(B)	90.0	-884.89	N/A	238.85	Tandem + Lane	-781.14	90%(Truck Pair + Lane)
108.86(L)	91.5	-1011.02	N/A	195.86	Tandem + Lane	-849.72	90%(Truck Pair + Lane)
108.86(R)	91.5	-1011.02	N/A	195.86	Tandem + Lane	-849.72	90%(Truck Pair + Lane)
108.93(B)	91.5	-1016.50	N/A	194.03	Tandem + Lane	-852.76	90%(Truck Pair + Lane)
109.01(L)	91.6	-1022.00	N/A	192.21	Tandem + Lane	-855.80	90%(Truck Pair + Lane)
109.01(R)	91.6	-1022.00	N/A	192.21	Tandem + Lane	-855.80	90%(Truck Pair + Lane)
114.00(B)	95.8	-1408.06	N/A	74.93	Tandem + Lane	-1082.67	90%(Truck Pair + Lane)
119.00(L)	100.0	-1832.57	N/A	0.00	Tandem + Lane	-1352.65	90%(Truck Pair + Lane)

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Tandem + Lane	-1352.65	90%(Truck Pair + Lane)
0.93(B)	1.0	-1748.95	N/A	11.36	Truck + Lane	-1297.76	90%(Truck Pair + Lane)
1.86(L)	2.0	-1666.67	N/A	23.10	Truck + Lane	-1244.21	90%(Truck Pair + Lane)
1.86(R)	2.0	-1666.67	N/A	23.10	Truck + Lane	-1244.21	90%(Truck Pair + Lane)
2.03(B)	2.1	-1651.34	N/A	25.36	Truck + Lane	-1234.47	90%(Truck Pair + Lane)
2.21(L)	2.3	-1636.07	N/A	27.63	Truck + Lane	-1224.76	90%(Truck Pair + Lane)
2.21(R)	2.3	-1636.07	N/A	27.63	Truck + Lane	-1224.76	90%(Truck Pair + Lane)
8.58(B)	9.0	-1112.19	N/A	143.48	Tandem + Lane	-893.79	90%(Truck Pair + Lane)
9.52(B)	10.0	-1040.20	N/A	165.31	Tandem + Lane	-850.02	90%(Truck Pair + Lane)
13.00(B)	13.6	-786.05	N/A	250.27	Tandem + Lane	-703.44	90%(Truck Pair + Lane)
14.96(L)	15.7	-650.81	N/A	300.66	Tandem + Lane	-632.60	90%(Truck Pair + Lane)
14.96(R)	15.7	-650.81	N/A	300.66	Tandem + Lane	-632.60	90%(Truck Pair + Lane)
15.25(B)	16.0	-631.30	N/A	308.38	Tandem + Lane	-623.06	90%(Truck Pair + Lane)
15.54(L)	16.3	-611.91	N/A	316.21	Tandem + Lane	-613.61	90%(Truck Pair + Lane)
15.54(R)	16.3	-611.91	N/A	316.21		-613.61	

					Tandem + Lane		90%(Truck Pair + Lane)
19.05(B)	20.0	-387.24	N/A	440.97	Truck + Lane	-565.44	Truck + Lane
21.62(B)	22.7	-233.97	N/A	538.31	Truck + Lane	-543.73	Truck + Lane
23.50(B)	24.7	-128.43	N/A	607.94	Truck + Lane	-529.88	Truck + Lane
27.71(L)	29.1	89.65	N/A	777.31	Truck + Lane	-514.42	Truck + Lane
27.71(R)	29.1	89.65	N/A	777.31	Truck + Lane	-514.42	Truck + Lane
28.00(B)	29.4	103.69	N/A	787.13	Truck + Lane	-512.21	Truck + Lane
28.29(L)	29.7	117.61	N/A	796.85	Truck + Lane	-510.00	Truck + Lane
28.29(R)	29.7	117.61	N/A	796.85	Truck + Lane	-510.00	Truck + Lane
28.58(B)	30.0	131.18	N/A	806.32	Truck + Lane	-507.83	Truck + Lane
34.37(B)	36.1	380.76	N/A	977.75	Truck + Lane	-463.66	Truck + Lane
38.10(B)	40.0	515.06	N/A	1067.41	Truck + Lane	-435.28	Truck + Lane
40.46(L)	42.5	589.58	N/A	1114.82	Truck + Lane	-417.31	Truck + Lane
40.46(R)	42.5	589.58	N/A	1114.82	Truck + Lane	-417.31	Truck + Lane
40.75(B)	42.8	598.15	N/A	1120.17	Truck + Lane	-415.10	Truck + Lane
41.04(L)	43.1	606.60	N/A	1125.39	Truck + Lane	-412.89	Truck + Lane
41.04(R)	43.1	606.60	N/A	1125.39	Truck + Lane	-412.89	Truck + Lane
47.12(B)	49.5	754.95	N/A	1208.03	Truck + Lane	-366.55	Truck + Lane
47.63(B)	50.0	764.73	N/A	1212.44	Truck + Lane	-362.73	Truck + Lane
53.21(L)	55.9	848.97	N/A	1240.62	Truck + Lane	-320.20	Truck + Lane
53.21(R)	55.9	848.97	N/A	1240.62	Truck + Lane	-320.20	Truck + Lane
53.50(B)	56.2	852.08	N/A	1241.76	Truck + Lane	-317.99	Truck + Lane
53.79(L)	56.5	855.05	N/A	1242.77	Truck + Lane	-315.78	Truck + Lane

53.79(R)	56.5	855.05	N/A	1242.77	Truck + Lane	-315.78	Truck + Lane
57.15(B)	60.0	880.30	N/A	1245.59	Truck + Lane	-290.19	Truck + Lane
59.87(B)	62.9	888.61	N/A	1234.57	Truck + Lane	-269.44	Truck + Lane
65.96(L)	69.2	867.84	N/A	1166.71	Truck + Lane	-223.09	Truck + Lane
65.96(R)	69.2	867.84	N/A	1166.71	Truck + Lane	-223.09	Truck + Lane
66.25(B)	69.6	865.47	N/A	1161.90	Truck + Lane	-220.88	Truck + Lane
66.54(L)	69.9	862.98	N/A	1156.94	Truck + Lane	-218.67	Truck + Lane
66.54(R)	69.9	862.98	N/A	1156.94	Truck + Lane	-218.67	Truck + Lane
66.68(B)	70.0	861.76	N/A	1154.57	Truck + Lane	-217.64	Truck + Lane
72.62(B)	76.2	781.74	N/A	1033.87	Truck + Lane	-172.33	Truck + Lane
76.20(B)	80.0	708.66	N/A	933.61	Truck + Lane	-145.09	Truck + Lane
78.71(L)	82.6	646.17	N/A	849.46	Truck + Lane	-125.98	Truck + Lane
78.71(R)	82.6	646.17	N/A	849.46	Truck + Lane	-125.98	Truck + Lane
79.00(B)	82.9	638.33	N/A	838.98	Truck + Lane	-123.77	Truck + Lane
79.29(L)	83.2	630.37	N/A	828.35	Truck + Lane	-121.56	Truck + Lane
79.29(R)	83.2	630.37	N/A	828.35	Truck + Lane	-121.56	Truck + Lane
85.37(B)	89.6	434.33	N/A	569.61	Truck + Lane	-75.22	Truck + Lane
85.72(B)	90.0	421.39	N/A	552.58	Truck + Lane	-72.55	Truck + Lane
91.46(L)	96.0	183.98	N/A	240.85	Truck + Lane	-28.87	Truck + Lane
91.46(R)	96.0	183.98	N/A	240.85	Truck + Lane	-28.87	Truck + Lane
91.75(B)	96.3	170.67	N/A	223.41	Truck + Lane	-26.66	Truck + Lane
92.04(L)	96.6	157.23	N/A	205.80	Truck + Lane	-24.45	Truck + Lane
92.04(R)	96.6	157.23	N/A	205.80	Truck + Lane	-24.45	Truck + Lane
93.64(B)	98.3	80.51	N/A	105.40		-12.23	

95.25(L)	100.0	0.00	N/A	0.00	Truck + Lane Tandem + Lane	0.00	Truck + Lane Tandem + Lane

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: HL-93 (US)
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	91.55	Truck + Lane	-10.38	Truck + Lane
3.32(B)	3.5	46.41	N/A	86.31	Truck + Lane	-10.42	Truck + Lane
6.64(L)	7.0	41.54	N/A	81.18	Truck + Lane	-10.54	Truck + Lane
6.64(R)	7.0	41.38	N/A	81.18	Truck + Lane	-10.54	Truck + Lane
9.52(B)	10.0	37.15	N/A	76.80	Truck + Lane	-10.71	Truck + Lane
13.11(B)	13.8	31.88	N/A	71.47	Truck + Lane	-12.13	Tandem + Lane
19.05(B)	20.0	23.17	N/A	62.96	Truck + Lane	-17.17	Tandem + Lane
19.59(L)	20.6	22.38	N/A	62.21	Truck + Lane	-17.64	Tandem + Lane
19.59(R)	20.6	22.22	N/A	62.21	Truck + Lane	-17.64	Tandem + Lane
26.06(B)	27.4	12.72	N/A	53.44	Truck + Lane	-23.64	Truck + Lane
28.58(B)	30.0	9.04	N/A	50.18	Truck + Lane	-26.51	Truck + Lane
32.54(L)	34.2	3.22	N/A	45.18	Truck + Lane	-31.44	Truck + Lane

32.54(R)	34.2	3.06	N/A	45.18	Truck + Lane	-31.44	Truck + Lane
38.10(B)	40.0	-5.09	N/A	38.53	Truck + Lane	-38.44	Truck + Lane
39.01(B)	41.0	-6.44	N/A	37.49	Truck + Lane	-39.60	Truck + Lane
45.49(L)	47.8	-15.93	N/A	30.38	Truck + Lane	-47.82	Truck + Lane
45.49(R)	47.8	-16.09	N/A	30.38	Truck + Lane	-47.82	Truck + Lane
47.63(B)	50.0	-19.23	N/A	28.27	Truck + Lane	-50.70	Truck + Lane
51.96(B)	54.6	-25.59	N/A	23.96	Truck + Lane	-56.24	Truck + Lane
57.15(B)	60.0	-33.20	N/A	19.39	Truck + Lane	-63.40	Truck + Lane
58.44(L)	61.4	-35.09	N/A	18.27	Truck + Lane	-65.05	Truck + Lane
58.44(R)	61.4	-35.25	N/A	18.27	Truck + Lane	-65.05	Truck + Lane
64.91(B)	68.2	-44.75	N/A	13.19	Truck + Lane	-74.14	Truck + Lane
66.68(B)	70.0	-47.34	N/A	11.87	Truck + Lane	-76.37	Truck + Lane
71.39(L)	74.9	-54.25	N/A	9.04	Tandem + Lane	-82.27	Truck + Lane
71.39(R)	74.9	-54.41	N/A	9.04	Tandem + Lane	-82.27	Truck + Lane
71.75(B)	75.3	-54.94	N/A	8.95	Tandem + Lane	-83.72	Truck + Lane
76.20(B)	80.0	-61.47	N/A	6.65	Tandem + Lane	-89.21	Truck + Lane
77.86(B)	81.7	-63.91	N/A	5.84	Tandem + Lane	-91.25	Truck + Lane
82.25(B)	86.4	-70.35	N/A	3.96	Tandem + Lane	-97.65	Truck + Lane
84.34(L)	88.5	-73.57	N/A	3.11	Tandem + Lane	-100.13	Truck + Lane
84.34(R)	88.5	-73.73	N/A	3.11	Tandem + Lane	-100.13	Truck + Lane
85.72(B)	90.0	-75.86	N/A	2.57	Tandem + Lane	-101.76	Truck + Lane
89.79(B)	94.3	-82.13	N/A	1.14	Truck + Lane	-106.44	Truck + Lane
95.25(L)	100.0	-90.54	N/A	0.00	Tandem + Lane	-113.82	Truck + Lane

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	111.72	Truck + Lane	0.00	Tandem + Lane
1.02(B)	0.9	87.36	N/A	103.95	Truck + Lane	-0.25	Truck + Lane
2.04(L)	1.7	85.79	N/A	102.72	Truck + Lane	-0.51	Truck + Lane
2.04(R)	1.7	85.71	N/A	102.72	Truck + Lane	-0.51	Truck + Lane
2.12(B)	1.8	85.58	N/A	102.62	Truck + Lane	-0.53	Truck + Lane
2.21(L)	1.9	85.45	N/A	102.52	Truck + Lane	-0.55	Truck + Lane
2.21(R)	1.9	85.37	N/A	102.52	Truck + Lane	-0.55	Truck + Lane
8.13(B)	6.8	76.24	N/A	95.30	Truck + Lane	-2.63	Tandem + Lane
11.90(B)	10.0	70.44	N/A	90.59	Truck + Lane	-4.44	Tandem + Lane
13.00(B)	10.9	68.74	N/A	89.19	Truck + Lane	-5.01	Tandem + Lane
14.06(L)	11.8	67.19	N/A	87.85	Truck + Lane	-5.57	Tandem + Lane
14.06(R)	11.8	67.11	N/A	87.85	Truck + Lane	-5.57	Tandem + Lane
14.13(B)	11.9	67.00	N/A	87.75	Truck + Lane	-5.61	Tandem + Lane
14.21(L)	11.9	66.89	N/A	87.66	Truck + Lane	-5.65	Tandem + Lane
14.21(R)	11.9	66.81	N/A	87.66	Truck + Lane	-5.65	Tandem + Lane
20.06(B)	16.9	58.22	N/A	80.18	Truck + Lane	-9.02	Tandem + Lane
23.50(B)	19.7	53.18	N/A	75.74	Truck + Lane	-11.20	Tandem + Lane
23.80(B)	20.0	52.74	N/A	75.35	Truck + Lane	-11.40	Tandem + Lane
25.91(L)	21.8	49.64	N/A	72.62	Truck + Lane	-12.83	Tandem + Lane
25.91(R)	21.8	49.56	N/A	72.62	Truck + Lane	-12.83	Tandem + Lane
25.98(B)	21.8	49.45	N/A	72.53	Truck + Lane	-12.88	Tandem + Lane

26.06(L)	21.9	49.34	N/A	72.43	Truck + Lane	-12.93	Tandem + Lane
26.06(R)	21.9	49.26	N/A	72.43	Truck + Lane	-12.93	Tandem + Lane
31.91(B)	26.8	40.68	N/A	64.91	Truck + Lane	-18.01	Truck + Lane
35.70(B)	30.0	35.12	N/A	60.10	Truck + Lane	-21.68	Truck + Lane
37.76(L)	31.7	32.10	N/A	57.52	Truck + Lane	-23.77	Truck + Lane
37.76(R)	31.7	32.02	N/A	57.52	Truck + Lane	-23.77	Truck + Lane
37.83(B)	31.8	31.91	N/A	57.42	Truck + Lane	-23.85	Truck + Lane
37.91(L)	31.9	31.80	N/A	57.33	Truck + Lane	-23.92	Truck + Lane
37.91(R)	31.9	31.72	N/A	57.33	Truck + Lane	-23.92	Truck + Lane
43.76(B)	36.8	23.13	N/A	50.14	Truck + Lane	-30.18	Truck + Lane
47.60(B)	40.0	17.50	N/A	45.57	Truck + Lane	-34.48	Truck + Lane
49.61(L)	41.7	14.55	N/A	43.25	Truck + Lane	-36.79	Truck + Lane
49.61(R)	41.7	14.47	N/A	43.25	Truck + Lane	-36.79	Truck + Lane
49.68(B)	41.8	14.36	N/A	43.17	Truck + Lane	-36.88	Truck + Lane
49.76(L)	41.8	14.25	N/A	43.08	Truck + Lane	-36.96	Truck + Lane
49.76(R)	41.8	14.17	N/A	43.08	Truck + Lane	-36.96	Truck + Lane
55.61(B)	46.7	5.59	N/A	36.56	Truck + Lane	-43.90	Truck + Lane
59.50(B)	50.0	-0.12	N/A	32.58	Truck + Lane	-48.80	Truck + Lane
61.46(L)	51.6	-2.99	N/A	30.61	Truck + Lane	-51.22	Truck + Lane
61.46(R)	51.6	-3.07	N/A	30.61	Truck + Lane	-51.22	Truck + Lane
61.53(B)	51.7	-3.18	N/A	30.54	Truck + Lane	-51.31	Truck + Lane
61.61(L)	51.8	-3.29	N/A	30.46	Truck + Lane	-51.40	Truck + Lane
61.61(R)	51.8	-3.37	N/A	30.46	Truck + Lane	-51.40	Truck + Lane
67.46(B)	56.7	-11.96	N/A	25.15		-59.30	

					Truck + Lane		Truck + Lane
71.40(B)	60.0	-17.74	N/A	21.70	Truck + Lane	-64.30	Truck + Lane
73.31(L)	61.6	-20.54	N/A	20.17	Truck + Lane	-66.73	Truck + Lane
73.31(R)	61.6	-20.62	N/A	20.17	Truck + Lane	-66.73	Truck + Lane
73.38(B)	61.7	-20.73	N/A	20.11	Truck + Lane	-66.83	Truck + Lane
73.46(L)	61.7	-20.84	N/A	20.05	Truck + Lane	-66.92	Truck + Lane
73.46(R)	61.7	-20.92	N/A	20.05	Truck + Lane	-66.92	Truck + Lane
79.31(B)	66.6	-29.50	N/A	16.30	Truck + Lane	-75.26	Truck + Lane
83.30(B)	70.0	-35.35	N/A	15.93	Truck + Lane	-80.29	Truck + Lane
85.16(L)	71.6	-38.08	N/A	15.78	Truck + Lane	-82.60	Truck + Lane
85.16(R)	71.6	-38.16	N/A	15.78	Truck + Lane	-82.60	Truck + Lane
85.23(B)	71.6	-38.27	N/A	15.77	Truck + Lane	-82.69	Truck + Lane
85.31(L)	71.7	-38.38	N/A	15.76	Truck + Lane	-82.79	Truck + Lane
85.31(R)	71.7	-38.46	N/A	15.76	Truck + Lane	-82.79	Truck + Lane
91.16(B)	76.6	-47.04	N/A	15.59	Truck + Lane	-91.00	Truck + Lane
95.20(B)	80.0	-52.97	N/A	15.41	Truck + Lane	-95.75	Truck + Lane
95.50(B)	80.3	-53.41	N/A	15.39	Truck + Lane	-96.10	Truck + Lane
97.01(L)	81.5	-55.63	N/A	15.34	Truck + Lane	-97.82	Truck + Lane
97.01(R)	81.5	-55.71	N/A	15.34	Truck + Lane	-97.82	Truck + Lane
97.08(B)	81.6	-55.82	N/A	15.34	Truck + Lane	-97.91	Truck + Lane
97.16(L)	81.6	-55.93	N/A	15.34	Truck + Lane	-97.99	Truck + Lane
97.16(R)	81.6	-56.01	N/A	15.34	Truck + Lane	-97.99	Truck + Lane
103.01(B)	86.6	-64.59	N/A	15.38	Truck + Lane	-105.62	Truck + Lane
104.00(B)	87.4	-66.04	N/A	15.37		-106.65	

					Truck + Lane		Truck + Lane
107.10(B)	90.0	-70.82	N/A	15.33	Truck + Lane	-109.78	Truck + Lane
108.86(L)	91.5	-73.53	N/A	15.31	Truck + Lane	-111.49	Truck + Lane
108.86(R)	91.5	-73.61	N/A	15.31	Truck + Lane	-111.49	Truck + Lane
108.93(B)	91.5	-73.73	N/A	15.31	Truck + Lane	-111.56	Truck + Lane
109.01(L)	91.6	-73.84	N/A	15.31	Truck + Lane	-111.63	Truck + Lane
109.01(R)	91.6	-73.92	N/A	15.31	Truck + Lane	-111.63	Truck + Lane
114.00(B)	95.8	-81.62	N/A	15.48	Truck + Lane	-117.57	Truck + Lane
119.00(L)	100.0	-89.32	N/A	15.48	Truck + Lane	-121.66	Truck + Lane

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	89.42	N/A	121.66	Truck + Lane	-15.50	Truck + Lane
0.93(B)	0.8	87.99	N/A	113.40	Truck + Lane	-14.53	Truck + Lane
1.86(L)	1.6	86.56	N/A	112.70	Truck + Lane	-14.53	Truck + Lane
1.86(R)	1.6	86.48	N/A	112.70	Truck + Lane	-14.53	Truck + Lane
2.03(B)	1.7	86.21	N/A	112.56	Truck + Lane	-14.53	Truck + Lane
2.21(L)	1.9	85.94	N/A	112.43	Truck + Lane	-14.53	Truck + Lane
2.21(R)	1.9	85.86	N/A	112.43	Truck + Lane	-14.53	Truck + Lane
8.13(B)	6.8	76.73	N/A	107.63	Truck + Lane	-14.54	Truck + Lane
11.90(B)	10.0	70.92	N/A	104.24	Truck + Lane	-14.57	Truck + Lane
14.06(L)	11.8	67.60	N/A	102.17	Truck + Lane	-14.60	Truck + Lane
14.06(R)	11.8	67.52	N/A	102.17	Truck + Lane	-14.60	Truck + Lane
14.13(B)	11.9	67.40	N/A	102.10	Truck + Lane	-14.60	Truck + Lane

14.21(L)	11.9	67.29	N/A	102.02	Truck + Lane	-14.60	Truck + Lane
14.21(R)	11.9	67.21	N/A	102.02	Truck + Lane	-14.60	Truck + Lane
15.00(B)	12.6	65.99	N/A	101.25	Truck + Lane	-14.61	Truck + Lane
20.06(B)	16.9	58.56	N/A	96.13	Truck + Lane	-14.71	Truck + Lane
23.50(B)	19.7	53.52	N/A	92.42	Truck + Lane	-14.82	Truck + Lane
23.80(B)	20.0	53.08	N/A	92.09	Truck + Lane	-14.83	Truck + Lane
25.91(L)	21.8	49.98	N/A	89.71	Truck + Lane	-14.92	Truck + Lane
25.91(R)	21.8	49.90	N/A	89.71	Truck + Lane	-14.92	Truck + Lane
25.98(B)	21.8	49.79	N/A	89.62	Truck + Lane	-14.92	Truck + Lane
26.06(L)	21.9	49.68	N/A	89.54	Truck + Lane	-14.92	Truck + Lane
26.06(R)	21.9	49.60	N/A	89.54	Truck + Lane	-14.92	Truck + Lane
31.91(B)	26.8	41.02	N/A	82.76	Truck + Lane	-15.25	Truck + Lane
35.70(B)	30.0	35.46	N/A	78.21	Truck + Lane	-15.53	Truck + Lane
37.76(L)	31.7	32.44	N/A	75.69	Truck + Lane	-15.71	Truck + Lane
37.76(R)	31.7	32.36	N/A	75.69	Truck + Lane	-15.71	Truck + Lane
37.83(B)	31.8	32.25	N/A	75.60	Truck + Lane	-15.72	Truck + Lane
37.91(L)	31.9	32.14	N/A	75.50	Truck + Lane	-15.72	Truck + Lane
37.91(R)	31.9	32.06	N/A	75.50	Truck + Lane	-15.72	Truck + Lane
43.76(B)	36.8	23.47	N/A	68.26	Truck + Lane	-18.41	Truck + Lane
47.60(B)	40.0	17.84	N/A	63.46	Truck + Lane	-21.42	Truck + Lane
49.61(L)	41.7	14.89	N/A	60.94	Truck + Lane	-23.11	Truck + Lane
49.61(R)	41.7	14.81	N/A	60.94	Truck + Lane	-23.11	Truck + Lane
49.68(B)	41.8	14.70	N/A	60.84	Truck + Lane	-23.17	Truck + Lane
49.76(L)	41.8	14.59	N/A	60.75		-23.24	

					Truck + Lane		Truck + Lane
49.76(R)	41.8	14.51	N/A	60.75	Truck + Lane	-23.24	Truck + Lane
55.61(B)	46.7	5.93	N/A	53.44	Truck + Lane	-28.62	Truck + Lane
59.50(B)	50.0	0.22	N/A	48.80	Truck + Lane	-32.58	Truck + Lane
61.46(L)	51.6	-2.65	N/A	46.39	Truck + Lane	-34.61	Truck + Lane
61.46(R)	51.6	-2.73	N/A	46.39	Truck + Lane	-34.61	Truck + Lane
61.53(B)	51.7	-2.84	N/A	46.30	Truck + Lane	-34.69	Truck + Lane
61.61(L)	51.8	-2.95	N/A	46.21	Truck + Lane	-34.77	Truck + Lane
61.61(R)	51.8	-3.03	N/A	46.21	Truck + Lane	-34.77	Truck + Lane
67.46(B)	56.7	-11.62	N/A	39.57	Truck + Lane	-41.60	Truck + Lane
71.40(B)	60.0	-17.40	N/A	34.94	Truck + Lane	-46.18	Truck + Lane
73.31(L)	61.6	-20.20	N/A	32.76	Truck + Lane	-48.46	Truck + Lane
73.31(R)	61.6	-20.28	N/A	32.76	Truck + Lane	-48.46	Truck + Lane
73.38(B)	61.7	-20.39	N/A	32.67	Truck + Lane	-48.55	Truck + Lane
73.46(L)	61.7	-20.50	N/A	32.59	Truck + Lane	-48.64	Truck + Lane
73.46(R)	61.7	-20.58	N/A	32.59	Truck + Lane	-48.64	Truck + Lane
79.31(B)	66.6	-29.16	N/A	26.47	Truck + Lane	-56.58	Truck + Lane
83.30(B)	70.0	-35.01	N/A	22.26	Truck + Lane	-61.70	Truck + Lane
85.16(L)	71.6	-37.74	N/A	20.39	Truck + Lane	-64.11	Truck + Lane
85.16(R)	71.6	-37.82	N/A	20.39	Truck + Lane	-64.11	Truck + Lane
85.23(B)	71.6	-37.93	N/A	20.31	Truck + Lane	-64.21	Truck + Lane
85.31(L)	71.7	-38.04	N/A	20.24	Truck + Lane	-64.31	Truck + Lane
85.31(R)	71.7	-38.12	N/A	20.24	Truck + Lane	-64.31	Truck + Lane
91.16(B)	76.6	-46.70	N/A	14.84		-72.93	

					Truck + Lane		Truck + Lane
95.20(B)	80.0	-52.63	N/A	11.87	Tandem + Lane	-78.36	Truck + Lane
95.50(B)	80.3	-53.07	N/A	11.66	Tandem + Lane	-78.76	Truck + Lane
97.01(L)	81.5	-55.29	N/A	10.64	Tandem + Lane	-80.79	Truck + Lane
97.01(R)	81.5	-55.37	N/A	10.64	Tandem + Lane	-80.79	Truck + Lane
97.08(B)	81.6	-55.48	N/A	10.59	Tandem + Lane	-80.89	Truck + Lane
97.16(L)	81.6	-55.59	N/A	10.54	Tandem + Lane	-80.99	Truck + Lane
97.16(R)	81.6	-55.67	N/A	10.54	Tandem + Lane	-80.99	Truck + Lane
103.01(B)	86.6	-64.25	N/A	6.97	Tandem + Lane	-89.94	Truck + Lane
106.00(B)	89.1	-68.64	N/A	5.28	Tandem + Lane	-93.95	Truck + Lane
107.10(B)	90.0	-70.33	N/A	4.69	Tandem + Lane	-95.41	Truck + Lane
108.86(L)	91.5	-73.04	N/A	3.76	Tandem + Lane	-97.74	Truck + Lane
108.86(R)	91.5	-73.12	N/A	3.76	Tandem + Lane	-97.74	Truck + Lane
108.93(B)	91.5	-73.24	N/A	3.72	Tandem + Lane	-97.84	Truck + Lane
109.01(L)	91.6	-73.35	N/A	3.68	Tandem + Lane	-97.94	Truck + Lane
109.01(R)	91.6	-73.43	N/A	3.68	Tandem + Lane	-97.94	Truck + Lane
114.00(B)	95.8	-81.13	N/A	1.40	Truck + Lane	-105.74	Truck + Lane
119.00(L)	100.0	-88.83	N/A	0.00	Tandem + Lane	-112.17	Truck + Lane

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	90.65	N/A	114.29	Truck + Lane	0.00	Tandem + Lane
0.93(B)	1.0	89.22	N/A	106.20	Truck + Lane	-0.17	Truck + Lane
1.86(L)	2.0	87.79	N/A	105.22	Truck + Lane	-0.34	Truck + Lane

1.86(R)	2.0	87.71	N/A	105.22	Truck + Lane	-0.34	Truck + Lane
2.03(B)	2.1	87.44	N/A	105.04	Truck + Lane	-0.38	Truck + Lane
2.21(L)	2.3	87.17	N/A	104.85	Truck + Lane	-0.41	Truck + Lane
2.21(R)	2.3	87.09	N/A	104.85	Truck + Lane	-0.41	Truck + Lane
8.58(B)	9.0	77.26	N/A	97.97	Truck + Lane	-2.13	Tandem + Lane
9.52(B)	10.0	75.81	N/A	96.94	Truck + Lane	-2.47	Tandem + Lane
13.00(B)	13.6	70.46	N/A	93.03	Truck + Lane	-3.77	Tandem + Lane
14.96(L)	15.7	67.58	N/A	90.78	Truck + Lane	-4.58	Tandem + Lane
14.96(R)	15.7	67.50	N/A	90.78	Truck + Lane	-4.58	Tandem + Lane
15.25(B)	16.0	67.08	N/A	90.45	Truck + Lane	-4.70	Tandem + Lane
15.54(L)	16.3	66.65	N/A	90.11	Truck + Lane	-4.82	Tandem + Lane
15.54(R)	16.3	66.57	N/A	90.11	Truck + Lane	-4.82	Tandem + Lane
19.05(B)	20.0	61.42	N/A	86.01	Truck + Lane	-6.40	Tandem + Lane
21.62(B)	22.7	57.65	N/A	82.96	Truck + Lane	-7.66	Tandem + Lane
23.50(B)	24.7	54.89	N/A	80.71	Truck + Lane	-8.62	Tandem + Lane
27.71(L)	29.1	48.72	N/A	75.58	Truck + Lane	-10.97	Truck + Lane
27.71(R)	29.1	48.64	N/A	75.58	Truck + Lane	-10.97	Truck + Lane
28.00(B)	29.4	48.21	N/A	75.22	Truck + Lane	-11.16	Truck + Lane
28.29(L)	29.7	47.79	N/A	74.86	Truck + Lane	-11.37	Truck + Lane
28.29(R)	29.7	47.71	N/A	74.86	Truck + Lane	-11.37	Truck + Lane
28.58(B)	30.0	47.29	N/A	74.51	Truck + Lane	-11.57	Truck + Lane
34.37(B)	36.1	38.78	N/A	67.31	Truck + Lane	-16.02	Truck + Lane
38.10(B)	40.0	33.32	N/A	62.63	Truck + Lane	-19.16	Truck + Lane
40.46(L)	42.5	29.85	N/A	59.65		-21.26	

					Truck + Lane		Truck + Lane
40.46(R)	42.5	29.77	N/A	59.65	Truck + Lane	-21.26	Truck + Lane
40.75(B)	42.8	29.35	N/A	59.28	Truck + Lane	-21.52	Truck + Lane
41.04(L)	43.1	28.92	N/A	58.91	Truck + Lane	-21.79	Truck + Lane
41.04(R)	43.1	28.84	N/A	58.91	Truck + Lane	-21.79	Truck + Lane
47.12(B)	49.5	19.92	N/A	51.17	Truck + Lane	-27.66	Truck + Lane
47.63(B)	50.0	19.18	N/A	50.69	Truck + Lane	-28.26	Truck + Lane
53.21(L)	55.9	10.99	N/A	43.98	Truck + Lane	-34.51	Truck + Lane
53.21(R)	55.9	10.91	N/A	43.98	Truck + Lane	-34.51	Truck + Lane
53.50(B)	56.2	10.48	N/A	43.60	Truck + Lane	-34.83	Truck + Lane
53.79(L)	56.5	10.06	N/A	43.23	Truck + Lane	-35.16	Truck + Lane
53.79(R)	56.5	9.98	N/A	43.23	Truck + Lane	-35.16	Truck + Lane
57.15(B)	60.0	5.05	N/A	38.92	Truck + Lane	-39.02	Truck + Lane
59.87(B)	62.9	1.05	N/A	35.44	Truck + Lane	-42.27	Truck + Lane
65.96(L)	69.2	-7.88	N/A	28.08	Truck + Lane	-50.48	Truck + Lane
65.96(R)	69.2	-7.96	N/A	28.08	Truck + Lane	-50.48	Truck + Lane
66.25(B)	69.6	-8.38	N/A	27.71	Truck + Lane	-50.86	Truck + Lane
66.54(L)	69.9	-8.81	N/A	27.34	Truck + Lane	-51.24	Truck + Lane
66.54(R)	69.9	-8.89	N/A	27.34	Truck + Lane	-51.24	Truck + Lane
66.68(B)	70.0	-9.09	N/A	27.17	Truck + Lane	-51.42	Truck + Lane
72.62(B)	76.2	-17.81	N/A	21.06	Tandem + Lane	-60.20	Truck + Lane
76.20(B)	80.0	-23.06	N/A	17.81	Tandem + Lane	-65.32	Truck + Lane
78.71(L)	82.6	-26.74	N/A	15.58	Tandem + Lane	-69.00	Truck + Lane
78.71(R)	82.6	-26.82	N/A	15.58		-69.00	

					Tandem + Lane		Truck + Lane
79.00(B)	82.9	-27.25	N/A	15.32	Tandem + Lane	-69.43	Truck + Lane
79.29(L)	83.2	-27.67	N/A	15.07	Tandem + Lane	-69.86	Truck + Lane
79.29(R)	83.2	-27.75	N/A	15.07	Tandem + Lane	-69.86	Truck + Lane
85.37(B)	89.6	-36.68	N/A	11.26	Truck + Lane	-80.07	Truck + Lane
85.72(B)	90.0	-37.19	N/A	11.23	Truck + Lane	-80.62	Truck + Lane
91.46(L)	96.0	-45.61	N/A	11.07	Truck + Lane	-90.90	Truck + Lane
91.46(R)	96.0	-45.69	N/A	11.07	Truck + Lane	-90.90	Truck + Lane
91.75(B)	96.3	-46.11	N/A	11.06	Truck + Lane	-91.38	Truck + Lane
92.04(L)	96.6	-46.54	N/A	11.06	Truck + Lane	-91.86	Truck + Lane
92.04(R)	96.6	-46.62	N/A	11.06	Truck + Lane	-91.86	Truck + Lane
93.64(B)	98.3	-48.97	N/A	11.03	Truck + Lane	-94.54	Truck + Lane
95.25(L)	100.0	-51.33	N/A	11.02	Truck + Lane	-97.25	Truck + Lane

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: LRFD Fatigue Truck (US)
Impact = 15.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	36.26	Axle Load	-3.84	Axle Load
2	179.47	N/A	48.65	Axle Load	0.00	Axle Load
3	178.74	N/A	48.98	Axle Load	-5.82	Axle Load

4	179.48	N/A	48.83	Axle Load	0.00	Axle Load
5	51.33	N/A	38.52	Axle Load	-4.07	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: LRFD Fatigue Truck (US)
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	70.76	Axle Load	-7.94	Axle Load
6.64(L)	7.0	308.14	N/A	133.26	Axle Load	-15.88	Axle Load
6.64(R)	7.0	308.14	N/A	133.26	Axle Load	-15.88	Axle Load
9.52(B)	10.0	421.44	N/A	180.98	Axle Load	-22.78	Axle Load
13.11(B)	13.8	545.33	N/A	232.02	Axle Load	-31.36	Axle Load
19.05(B)	20.0	708.73	N/A	296.72	Axle Load	-45.56	Axle Load
19.59(L)	20.6	721.01	N/A	301.43	Axle Load	-46.85	Axle Load
19.59(R)	20.6	721.01	N/A	301.43	Axle Load	-46.85	Axle Load
26.06(B)	27.4	834.15	N/A	354.68	Axle Load	-62.34	Axle Load
28.58(B)	30.0	861.47	N/A	368.40	Axle Load	-68.34	Axle Load
32.54(L)	34.2	885.78	N/A	382.52	Axle Load	-77.82	Axle Load
32.54(R)	34.2	885.78	N/A	382.52	Axle Load	-77.82	Axle Load
38.10(B)	40.0	880.13	N/A	386.70	Axle Load	-91.12	Axle Load
39.01(B)	41.0	874.86	N/A	385.83	Axle Load	-93.31	Axle Load
45.49(L)	47.8	802.44	N/A	370.56	Axle Load	-108.79	Axle Load
45.49(R)	47.8	802.44	N/A	370.56	Axle Load	-108.79	Axle Load
47.63(B)	50.0	764.72	N/A	370.39	Axle Load	-113.90	Axle Load
51.96(B)	54.6	667.47	N/A	361.57	Axle Load	-124.28	Axle Load
57.15(B)	60.0	515.02	N/A	337.11	Axle Load	-136.68	Axle Load
58.44(L)	61.4	470.99	N/A	328.87	Axle Load	-139.77	Axle Load
58.44(R)	61.4	470.99	N/A	328.87	Axle Load	-139.77	Axle Load
64.91(B)	68.2	211.97	N/A	275.93	Axle Load	-155.25	Axle Load
66.68(B)	70.0	130.91	N/A	258.32	Axle Load	-159.46	Axle Load
71.39(L)	74.9	-108.56	N/A	197.49	Axle Load	-163.99	Axle Load
71.39(R)	74.9	-108.56	N/A	197.49	Axle Load	-163.99	Axle Load
71.75(B)	75.3	-128.27	N/A	193.32	Axle Load	-164.82	Axle Load
76.20(B)	80.0	-387.28	N/A	138.15	Axle Load	-175.04	Axle Load
77.86(B)	81.7	-491.63	N/A	116.39	Axle Load	-178.87	Axle Load
82.25(B)	86.4	-786.02	N/A	55.92	Axle Load	-188.94	Axle Load
84.34(L)	88.5	-936.37	N/A	26.31	Axle Load	-193.74	Axle Load

84.34(R)	88.5	-936.37	N/A	26.31	Axle Load	-193.74	Axle Load
85.72(B)	90.0	-1040.00	N/A	5.99	Axle Load	-196.92	Axle Load
89.79(B)	94.3	-1361.49	N/A	0.00	Axle Load	-206.27	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-252.94	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-252.94	Axle Load
1.02(B)	0.9	-1742.59	N/A	0.00	Axle Load	-249.61	Axle Load
2.04(L)	1.7	-1654.31	N/A	0.00	Axle Load	-246.28	Axle Load
2.04(R)	1.7	-1654.31	N/A	0.00	Axle Load	-246.28	Axle Load
2.12(B)	1.8	-1647.03	N/A	0.00	Axle Load	-246.00	Axle Load
2.21(L)	1.9	-1639.76	N/A	0.00	Axle Load	-245.72	Axle Load
2.21(R)	1.9	-1639.76	N/A	0.00	Axle Load	-245.72	Axle Load
8.13(B)	6.8	-1160.99	N/A	0.00	Axle Load	-226.39	Axle Load
11.90(B)	10.0	-884.84	N/A	51.77	Axle Load	-214.10	Axle Load
13.00(B)	10.9	-808.29	N/A	66.24	Axle Load	-210.51	Axle Load
14.06(L)	11.8	-736.29	N/A	79.86	Axle Load	-207.05	Axle Load
14.06(R)	11.8	-736.29	N/A	79.86	Axle Load	-207.05	Axle Load
14.13(B)	11.9	-731.26	N/A	80.84	Axle Load	-206.80	Axle Load
14.21(L)	11.9	-726.24	N/A	81.82	Axle Load	-206.56	Axle Load
14.21(R)	11.9	-726.24	N/A	81.82	Axle Load	-206.56	Axle Load
20.06(B)	16.9	-360.52	N/A	152.21	Axle Load	-187.47	Axle Load
23.50(B)	19.7	-168.88	N/A	188.44	Axle Load	-176.24	Axle Load
23.80(B)	20.0	-152.99	N/A	191.36	Axle Load	-175.26	Axle Load
25.91(L)	21.8	-45.01	N/A	203.37	Axle Load	-162.45	Axle Load
25.91(R)	21.8	-45.01	N/A	203.37	Axle Load	-162.45	Axle Load
25.98(B)	21.8	-41.30	N/A	204.03	Axle Load	-162.21	Axle Load
26.06(L)	21.9	-37.59	N/A	204.68	Axle Load	-161.98	Axle Load
26.06(R)	21.9	-37.59	N/A	204.68	Axle Load	-161.98	Axle Load
31.91(B)	26.8	225.48	N/A	248.49	Axle Load	-143.56	Axle Load
35.70(B)	30.0	369.14	N/A	269.78	Axle Load	-131.62	Axle Load
37.76(L)	31.7	438.35	N/A	278.59	Axle Load	-125.13	Axle Load
37.76(R)	31.7	438.35	N/A	278.59	Axle Load	-125.13	Axle Load
37.83(B)	31.8	440.75	N/A	278.89	Axle Load	-124.90	Axle Load
37.91(L)	31.9	443.14	N/A	279.20	Axle Load	-124.66	Axle Load
37.91(R)	31.9	443.14	N/A	279.20	Axle Load	-124.66	Axle Load
43.76(B)	36.8	603.58	N/A	295.32	Axle Load	-106.24	Axle Load
47.60(B)	40.0	681.61	N/A	298.62	Axle Load	-94.15	Axle Load
49.61(L)	41.7	713.81	N/A	297.68	Axle Load	-87.82	Axle Load
49.61(R)	41.7	713.81	N/A	297.68	Axle Load	-87.82	Axle Load

49.68(B)	41.8	714.90	N/A	297.64	Axle Load	-87.58	Axle Load
49.76(L)	41.8	715.97	N/A	297.59	Axle Load	-87.35	Axle Load
49.76(R)	41.8	715.97	N/A	297.59	Axle Load	-87.35	Axle Load
55.61(B)	46.7	773.77	N/A	295.61	Axle Load	-68.93	Axle Load
59.50(B)	50.0	784.42	N/A	289.83	Axle Load	-56.68	Axle Load
61.46(L)	51.6	781.37	N/A	284.37	Axle Load	-50.51	Axle Load
61.46(R)	51.6	781.37	N/A	284.37	Axle Load	-50.51	Axle Load
61.53(B)	51.7	781.13	N/A	284.13	Axle Load	-50.27	Axle Load
61.61(L)	51.8	780.89	N/A	283.88	Axle Load	-50.03	Axle Load
61.61(R)	51.8	780.89	N/A	283.88	Axle Load	-50.03	Axle Load
67.46(B)	56.7	736.06	N/A	258.52	Axle Load	-31.61	Axle Load
71.40(B)	60.0	677.56	N/A	234.55	Axle Load	-19.20	Axle Load
73.31(L)	61.6	641.02	N/A	220.80	Axle Load	-13.19	Axle Load
73.31(R)	61.6	641.02	N/A	220.80	Axle Load	-13.19	Axle Load
73.38(B)	61.7	639.47	N/A	220.22	Axle Load	-12.96	Axle Load
73.46(L)	61.7	637.91	N/A	219.65	Axle Load	-12.72	Axle Load
73.46(R)	61.7	637.91	N/A	219.65	Axle Load	-12.72	Axle Load
79.31(B)	66.6	490.44	N/A	170.37	Axle Load	0.00	Axle Load
83.30(B)	70.0	361.03	N/A	131.95	Axle Load	-13.40	Axle Load
85.16(L)	71.6	292.76	N/A	117.61	Axle Load	-25.03	Axle Load
85.16(R)	71.6	292.76	N/A	117.61	Axle Load	-25.03	Axle Load
85.23(B)	71.6	289.89	N/A	117.13	Axle Load	-25.54	Axle Load
85.31(L)	71.7	287.02	N/A	116.65	Axle Load	-26.04	Axle Load
85.31(R)	71.7	287.02	N/A	116.65	Axle Load	-26.04	Axle Load
91.16(B)	76.6	36.91	N/A	79.91	Axle Load	-80.21	Axle Load
95.20(B)	80.0	-165.15	N/A	60.12	Axle Load	-129.36	Axle Load
95.50(B)	80.3	-181.11	N/A	58.83	Axle Load	-133.24	Axle Load
97.01(L)	81.5	-263.41	N/A	61.44	Axle Load	-153.55	Axle Load
97.01(R)	81.5	-263.41	N/A	61.44	Axle Load	-153.55	Axle Load
97.08(B)	81.6	-267.59	N/A	61.67	Axle Load	-154.58	Axle Load
97.16(L)	81.6	-271.78	N/A	61.91	Axle Load	-155.60	Axle Load
97.16(R)	81.6	-271.78	N/A	61.91	Axle Load	-155.60	Axle Load
103.01(B)	86.6	-624.52	N/A	80.33	Axle Load	-243.02	Axle Load
104.00(B)	87.4	-689.23	N/A	83.45	Axle Load	-259.15	Axle Load
107.10(B)	90.0	-901.36	N/A	93.21	Axle Load	-310.88	Axle Load
108.86(L)	91.5	-1028.35	N/A	98.75	Axle Load	-340.96	Axle Load
108.86(R)	91.5	-1028.35	N/A	98.75	Axle Load	-340.96	Axle Load
108.93(B)	91.5	-1033.88	N/A	98.99	Axle Load	-342.25	Axle Load
109.01(L)	91.6	-1039.41	N/A	99.22	Axle Load	-343.53	Axle Load
109.01(R)	91.6	-1039.41	N/A	99.22	Axle Load	-343.53	Axle Load
114.00(B)	95.8	-1427.90	N/A	114.95	Axle Load	-434.65	Axle Load
119.00(L)	100.0	-1854.85	N/A	130.68	Axle Load	-529.68	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1854.80	N/A	130.64	Axle Load	-529.30	Axle Load
0.93(B)	0.8	-1772.33	N/A	127.71	Axle Load	-512.06	Axle Load
1.86(L)	1.6	-1691.19	N/A	124.79	Axle Load	-494.21	Axle Load
1.86(R)	1.6	-1691.19	N/A	124.79	Axle Load	-494.21	Axle Load
2.03(B)	1.7	-1676.08	N/A	124.24	Axle Load	-490.85	Axle Load
2.21(L)	1.9	-1661.02	N/A	123.69	Axle Load	-487.50	Axle Load
2.21(R)	1.9	-1661.02	N/A	123.69	Axle Load	-487.50	Axle Load
8.13(B)	6.8	-1179.36	N/A	105.03	Axle Load	-376.64	Axle Load
11.90(B)	10.0	-901.36	N/A	93.18	Axle Load	-310.82	Axle Load
14.06(L)	11.8	-751.80	N/A	86.38	Axle Load	-273.92	Axle Load
14.06(R)	11.8	-751.80	N/A	86.38	Axle Load	-273.92	Axle Load
14.13(B)	11.9	-746.74	N/A	86.15	Axle Load	-272.70	Axle Load
14.21(L)	11.9	-741.69	N/A	85.91	Axle Load	-271.47	Axle Load
14.21(R)	11.9	-741.69	N/A	85.91	Axle Load	-271.47	Axle Load
15.00(B)	12.6	-689.04	N/A	83.42	Axle Load	-258.79	Axle Load
20.06(B)	16.9	-373.96	N/A	67.50	Axle Load	-180.82	Axle Load
23.50(B)	19.7	-181.15	N/A	58.83	Axle Load	-132.67	Axle Load
23.80(B)	20.0	-165.16	N/A	60.12	Axle Load	-128.77	Axle Load
25.91(L)	21.8	-56.46	N/A	69.42	Axle Load	-102.92	Axle Load
25.91(R)	21.8	-56.46	N/A	69.42	Axle Load	-102.92	Axle Load
25.98(B)	21.8	-52.72	N/A	69.75	Axle Load	-101.99	Axle Load
26.06(L)	21.9	-48.99	N/A	70.09	Axle Load	-101.07	Axle Load
26.06(R)	21.9	-48.99	N/A	70.09	Axle Load	-101.07	Axle Load
31.91(B)	26.8	216.08	N/A	104.70	Axle Load	-40.39	Axle Load
35.70(B)	30.0	361.02	N/A	131.96	Axle Load	-13.49	Axle Load
37.76(L)	31.7	430.94	N/A	152.02	Axle Load	-4.24	Axle Load
37.76(R)	31.7	430.94	N/A	152.02	Axle Load	-4.24	Axle Load
37.83(B)	31.8	433.36	N/A	152.76	Axle Load	-4.01	Axle Load
37.91(L)	31.9	435.77	N/A	153.50	Axle Load	-3.77	Axle Load
37.91(R)	31.9	435.77	N/A	153.50	Axle Load	-3.77	Axle Load
43.76(B)	36.8	598.20	N/A	205.76	Axle Load	-7.11	Axle Load
47.60(B)	40.0	677.54	N/A	234.57	Axle Load	-19.20	Axle Load
49.61(L)	41.7	710.43	N/A	247.31	Axle Load	-25.52	Axle Load
49.61(R)	41.7	710.43	N/A	247.31	Axle Load	-25.52	Axle Load
49.68(B)	41.8	711.53	N/A	247.77	Axle Load	-25.76	Axle Load
49.76(L)	41.8	712.63	N/A	248.24	Axle Load	-26.00	Axle Load
49.76(R)	41.8	712.63	N/A	248.24	Axle Load	-26.00	Axle Load
55.61(B)	46.7	772.43	N/A	277.59	Axle Load	-44.41	Axle Load

59.50(B)	50.0	784.39	N/A	289.83	Axle Load	-56.66	Axle Load
61.46(L)	51.6	782.01	N/A	293.37	Axle Load	-62.83	Axle Load
61.46(R)	51.6	782.01	N/A	293.37	Axle Load	-62.83	Axle Load
61.53(B)	51.7	781.80	N/A	293.49	Axle Load	-63.06	Axle Load
61.61(L)	51.8	781.59	N/A	293.61	Axle Load	-63.30	Axle Load
61.61(R)	51.8	781.59	N/A	293.61	Axle Load	-63.30	Axle Load
67.46(B)	56.7	738.74	N/A	295.66	Axle Load	-81.71	Axle Load
71.40(B)	60.0	681.58	N/A	298.63	Axle Load	-94.12	Axle Load
73.31(L)	61.6	645.69	N/A	297.63	Axle Load	-100.13	Axle Load
73.31(R)	61.6	645.69	N/A	297.63	Axle Load	-100.13	Axle Load
73.38(B)	61.7	644.17	N/A	297.56	Axle Load	-100.36	Axle Load
73.46(L)	61.7	642.63	N/A	297.48	Axle Load	-100.60	Axle Load
73.46(R)	61.7	642.63	N/A	297.48	Axle Load	-100.60	Axle Load
79.31(B)	66.6	497.15	N/A	285.55	Axle Load	-119.02	Axle Load
83.30(B)	70.0	369.10	N/A	269.79	Axle Load	-131.58	Axle Load
85.16(L)	71.6	301.46	N/A	260.01	Axle Load	-137.43	Axle Load
85.16(R)	71.6	301.46	N/A	260.01	Axle Load	-137.43	Axle Load
85.23(B)	71.6	298.62	N/A	259.58	Axle Load	-137.67	Axle Load
85.31(L)	71.7	295.77	N/A	259.15	Axle Load	-137.90	Axle Load
85.31(R)	71.7	295.77	N/A	259.15	Axle Load	-137.90	Axle Load
91.16(B)	76.6	47.65	N/A	219.35	Axle Load	-156.32	Axle Load
95.20(B)	80.0	-153.04	N/A	191.36	Axle Load	-175.20	Axle Load
95.50(B)	80.3	-168.89	N/A	188.41	Axle Load	-176.18	Axle Load
97.01(L)	81.5	-250.67	N/A	172.96	Axle Load	-181.11	Axle Load
97.01(R)	81.5	-250.67	N/A	172.96	Axle Load	-181.11	Axle Load
97.08(B)	81.6	-254.83	N/A	172.16	Axle Load	-181.35	Axle Load
97.16(L)	81.6	-258.99	N/A	171.37	Axle Load	-181.60	Axle Load
97.16(R)	81.6	-258.99	N/A	171.37	Axle Load	-181.60	Axle Load
103.01(B)	86.6	-609.75	N/A	104.36	Axle Load	-200.68	Axle Load
106.00(B)	89.1	-808.45	N/A	66.38	Axle Load	-210.44	Axle Load
107.10(B)	90.0	-884.89	N/A	51.67	Axle Load	-214.03	Axle Load
108.86(L)	91.5	-1011.02	N/A	27.30	Axle Load	-219.77	Axle Load
108.86(R)	91.5	-1011.02	N/A	27.30	Axle Load	-219.77	Axle Load
108.93(B)	91.5	-1016.50	N/A	26.23	Axle Load	-220.01	Axle Load
109.01(L)	91.6	-1022.00	N/A	25.16	Axle Load	-220.26	Axle Load
109.01(R)	91.6	-1022.00	N/A	25.16	Axle Load	-220.26	Axle Load
114.00(B)	95.8	-1408.06	N/A	0.00	Axle Load	-236.56	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-252.86	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load

0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-252.86	Axle Load
0.93(B)	1.0	-1748.95	N/A	0.00	Axle Load	-236.42	Axle Load
1.86(L)	2.0	-1666.67	N/A	0.00	Axle Load	-220.17	Axle Load
1.86(R)	2.0	-1666.67	N/A	0.00	Axle Load	-220.17	Axle Load
2.03(B)	2.1	-1651.34	N/A	0.00	Axle Load	-217.13	Axle Load
2.21(L)	2.3	-1636.07	N/A	0.00	Axle Load	-213.28	Axle Load
2.21(R)	2.3	-1636.07	N/A	0.00	Axle Load	-213.28	Axle Load
8.58(B)	9.0	-1112.19	N/A	0.00	Axle Load	-198.67	Axle Load
9.52(B)	10.0	-1040.20	N/A	5.64	Axle Load	-196.51	Axle Load
13.00(B)	13.6	-786.05	N/A	56.35	Axle Load	-188.55	Axle Load
14.96(L)	15.7	-650.81	N/A	83.71	Axle Load	-184.06	Axle Load
14.96(R)	15.7	-650.81	N/A	83.71	Axle Load	-184.06	Axle Load
15.25(B)	16.0	-631.30	N/A	87.68	Axle Load	-183.39	Axle Load
15.54(L)	16.3	-611.91	N/A	91.62	Axle Load	-182.73	Axle Load
15.54(R)	16.3	-611.91	N/A	91.62	Axle Load	-182.73	Axle Load
19.05(B)	20.0	-387.24	N/A	138.49	Axle Load	-174.68	Axle Load
21.62(B)	22.7	-233.97	N/A	170.83	Axle Load	-168.78	Axle Load
23.50(B)	24.7	-128.43	N/A	192.93	Axle Load	-164.48	Axle Load
27.71(L)	29.1	89.65	N/A	249.03	Axle Load	-161.19	Axle Load
27.71(R)	29.1	89.65	N/A	249.03	Axle Load	-161.19	Axle Load
28.00(B)	29.4	103.69	N/A	252.12	Axle Load	-160.50	Axle Load
28.29(L)	29.7	117.61	N/A	255.17	Axle Load	-159.81	Axle Load
28.29(R)	29.7	117.61	N/A	255.17	Axle Load	-159.81	Axle Load
28.58(B)	30.0	131.18	N/A	258.13	Axle Load	-159.13	Axle Load
34.37(B)	36.1	380.76	N/A	311.27	Axle Load	-145.29	Axle Load
38.10(B)	40.0	515.06	N/A	337.21	Axle Load	-136.40	Axle Load
40.46(L)	42.5	589.58	N/A	350.12	Axle Load	-130.77	Axle Load
40.46(R)	42.5	589.58	N/A	350.12	Axle Load	-130.77	Axle Load
40.75(B)	42.8	598.15	N/A	351.48	Axle Load	-130.07	Axle Load
41.04(L)	43.1	606.60	N/A	352.79	Axle Load	-129.38	Axle Load
41.04(R)	43.1	606.60	N/A	352.79	Axle Load	-129.38	Axle Load
47.12(B)	49.5	754.95	N/A	369.85	Axle Load	-114.86	Axle Load
47.63(B)	50.0	764.73	N/A	370.28	Axle Load	-113.66	Axle Load
53.21(L)	55.9	848.97	N/A	379.66	Axle Load	-100.34	Axle Load
53.21(R)	55.9	848.97	N/A	379.66	Axle Load	-100.34	Axle Load
53.50(B)	56.2	852.08	N/A	380.42	Axle Load	-99.64	Axle Load
53.79(L)	56.5	855.05	N/A	381.19	Axle Load	-98.95	Axle Load
53.79(R)	56.5	855.05	N/A	381.19	Axle Load	-98.95	Axle Load
57.15(B)	60.0	880.30	N/A	386.60	Axle Load	-90.93	Axle Load
59.87(B)	62.9	888.61	N/A	386.74	Axle Load	-84.43	Axle Load
65.96(L)	69.2	867.84	N/A	371.66	Axle Load	-69.91	Axle Load
65.96(R)	69.2	867.84	N/A	371.66	Axle Load	-69.91	Axle Load
66.25(B)	69.6	865.47	N/A	370.40	Axle Load	-69.21	Axle Load

66.54(L)	69.9	862.98	N/A	369.09	Axle Load	-68.52	Axle Load
66.54(R)	69.9	862.98	N/A	369.09	Axle Load	-68.52	Axle Load
66.68(B)	70.0	861.76	N/A	368.45	Axle Load	-68.20	Axle Load
72.62(B)	76.2	781.74	N/A	329.27	Axle Load	-54.00	Axle Load
76.20(B)	80.0	708.66	N/A	296.73	Axle Load	-45.47	Axle Load
78.71(L)	82.6	646.17	N/A	272.26	Axle Load	-39.48	Axle Load
78.71(R)	82.6	646.17	N/A	272.26	Axle Load	-39.48	Axle Load
79.00(B)	82.9	638.33	N/A	269.17	Axle Load	-38.78	Axle Load
79.29(L)	83.2	630.37	N/A	266.03	Axle Load	-38.09	Axle Load
79.29(R)	83.2	630.37	N/A	266.03	Axle Load	-38.09	Axle Load
85.37(B)	89.6	434.33	N/A	186.36	Axle Load	-23.57	Axle Load
85.72(B)	90.0	421.39	N/A	180.97	Axle Load	-22.73	Axle Load
91.46(L)	96.0	183.98	N/A	80.13	Axle Load	-9.05	Axle Load
91.46(R)	96.0	183.98	N/A	80.13	Axle Load	-9.05	Axle Load
91.75(B)	96.3	170.67	N/A	74.38	Axle Load	-8.35	Axle Load
92.04(L)	96.6	157.23	N/A	68.57	Axle Load	-7.66	Axle Load
92.04(R)	96.6	157.23	N/A	68.57	Axle Load	-7.66	Axle Load
93.64(B)	98.3	80.51	N/A	35.26	Axle Load	-3.83	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: LRFD Fatigue Truck (US)
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	36.26	Axle Load	-3.84	Axle Load
3.32(B)	3.5	46.41	N/A	34.23	Axle Load	-3.84	Axle Load
6.64(L)	7.0	41.54	N/A	32.24	Axle Load	-3.84	Axle Load
6.64(R)	7.0	41.38	N/A	32.24	Axle Load	-3.84	Axle Load
9.52(B)	10.0	37.15	N/A	30.52	Axle Load	-3.84	Axle Load
13.11(B)	13.8	31.88	N/A	28.42	Axle Load	-3.84	Axle Load

19.05(B)	20.0	23.17	N/A	25.02	Axle Load	-5.39	Axle Load
19.59(L)	20.6	22.38	N/A	24.71	Axle Load	-5.53	Axle Load
19.59(R)	20.6	22.22	N/A	24.71	Axle Load	-5.53	Axle Load
26.06(B)	27.4	12.72	N/A	21.17	Axle Load	-7.31	Axle Load
28.58(B)	30.0	9.04	N/A	19.83	Axle Load	-7.99	Axle Load
32.54(L)	34.2	3.22	N/A	17.80	Axle Load	-9.76	Axle Load
32.54(R)	34.2	3.06	N/A	17.80	Axle Load	-9.76	Axle Load
38.10(B)	40.0	-5.09	N/A	15.06	Axle Load	-12.78	Axle Load
39.01(B)	41.0	-6.44	N/A	14.63	Axle Load	-13.28	Axle Load
45.49(L)	47.8	-15.93	N/A	11.67	Axle Load	-16.81	Axle Load
45.49(R)	47.8	-16.09	N/A	11.67	Axle Load	-16.81	Axle Load
47.63(B)	50.0	-19.23	N/A	10.79	Axle Load	-18.13	Axle Load
51.96(B)	54.6	-25.59	N/A	9.00	Axle Load	-20.65	Axle Load
57.15(B)	60.0	-33.20	N/A	7.08	Axle Load	-23.82	Axle Load
58.44(L)	61.4	-35.09	N/A	6.60	Axle Load	-24.54	Axle Load
58.44(R)	61.4	-35.25	N/A	6.60	Axle Load	-24.54	Axle Load
64.91(B)	68.2	-44.75	N/A	4.42	Axle Load	-28.41	Axle Load
66.68(B)	70.0	-47.34	N/A	3.85	Axle Load	-29.35	Axle Load
71.39(L)	74.9	-54.25	N/A	2.45	Axle Load	-31.79	Axle Load
71.39(R)	74.9	-54.41	N/A	2.45	Axle Load	-31.79	Axle Load
71.75(B)	75.3	-54.94	N/A	2.37	Axle Load	-32.36	Axle Load
76.20(B)	80.0	-61.47	N/A	1.16	Axle Load	-34.58	Axle Load
77.86(B)	81.7	-63.91	N/A	0.74	Axle Load	-35.38	Axle Load
82.25(B)	86.4	-70.35	N/A	0.00	Axle Load	-37.86	Axle Load
84.34(L)	88.5	-73.57	N/A	0.00	Axle Load	-38.79	Axle Load
84.34(R)	88.5	-73.73	N/A	0.00	Axle Load	-38.79	Axle Load
85.72(B)	90.0	-75.86	N/A	0.00	Axle Load	-39.40	Axle Load
89.79(B)	94.3	-82.13	N/A	0.00	Axle Load	-41.13	Axle Load
95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-43.80	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	42.10	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	39.19	Axle Load	0.00	Axle Load
2.04(L)	1.7	85.79	N/A	38.74	Axle Load	0.00	Axle Load
2.04(R)	1.7	85.71	N/A	38.74	Axle Load	0.00	Axle Load
2.12(B)	1.8	85.58	N/A	38.70	Axle Load	0.00	Axle Load
2.21(L)	1.9	85.45	N/A	38.66	Axle Load	0.00	Axle Load
2.21(R)	1.9	85.37	N/A	38.66	Axle Load	0.00	Axle Load
8.13(B)	6.8	76.24	N/A	35.94	Axle Load	0.00	Axle Load
11.90(B)	10.0	70.44	N/A	34.13	Axle Load	0.00	Axle Load

13.00(B)	10.9	68.74	N/A	33.60	Axle Load	0.00	Axle Load
14.06(L)	11.8	67.19	N/A	33.08	Axle Load	0.00	Axle Load
14.06(R)	11.8	67.11	N/A	33.08	Axle Load	0.00	Axle Load
14.13(B)	11.9	67.00	N/A	33.04	Axle Load	0.00	Axle Load
14.21(L)	11.9	66.89	N/A	33.00	Axle Load	0.00	Axle Load
14.21(R)	11.9	66.81	N/A	33.00	Axle Load	0.00	Axle Load
20.06(B)	16.9	58.22	N/A	30.07	Axle Load	-1.69	Axle Load
23.50(B)	19.7	53.18	N/A	28.30	Axle Load	-2.86	Axle Load
23.80(B)	20.0	52.74	N/A	28.15	Axle Load	-2.97	Axle Load
25.91(L)	21.8	49.64	N/A	27.06	Axle Load	-3.74	Axle Load
25.91(R)	21.8	49.56	N/A	27.06	Axle Load	-3.74	Axle Load
25.98(B)	21.8	49.45	N/A	27.02	Axle Load	-3.77	Axle Load
26.06(L)	21.9	49.34	N/A	26.98	Axle Load	-3.79	Axle Load
26.06(R)	21.9	49.26	N/A	26.98	Axle Load	-3.79	Axle Load
31.91(B)	26.8	40.68	N/A	23.95	Axle Load	-6.06	Axle Load
35.70(B)	30.0	35.12	N/A	21.99	Axle Load	-7.67	Axle Load
37.76(L)	31.7	32.10	N/A	20.94	Axle Load	-8.55	Axle Load
37.76(R)	31.7	32.02	N/A	20.94	Axle Load	-8.55	Axle Load
37.83(B)	31.8	31.91	N/A	20.90	Axle Load	-8.59	Axle Load
37.91(L)	31.9	31.80	N/A	20.86	Axle Load	-8.62	Axle Load
37.91(R)	31.9	31.72	N/A	20.86	Axle Load	-8.62	Axle Load
43.76(B)	36.8	23.13	N/A	17.93	Axle Load	-11.27	Axle Load
47.60(B)	40.0	17.50	N/A	16.07	Axle Load	-13.12	Axle Load
49.61(L)	41.7	14.55	N/A	15.11	Axle Load	-14.09	Axle Load
49.61(R)	41.7	14.47	N/A	15.11	Axle Load	-14.09	Axle Load
49.68(B)	41.8	14.36	N/A	15.07	Axle Load	-14.13	Axle Load
49.76(L)	41.8	14.25	N/A	15.04	Axle Load	-14.16	Axle Load
49.76(R)	41.8	14.17	N/A	15.04	Axle Load	-14.16	Axle Load
55.61(B)	46.7	5.59	N/A	12.40	Axle Load	-17.09	Axle Load
59.50(B)	50.0	-0.12	N/A	10.80	Axle Load	-19.15	Axle Load
61.46(L)	51.6	-2.99	N/A	10.00	Axle Load	-20.16	Axle Load
61.46(R)	51.6	-3.07	N/A	10.00	Axle Load	-20.16	Axle Load
61.53(B)	51.7	-3.18	N/A	9.97	Axle Load	-20.20	Axle Load
61.61(L)	51.8	-3.29	N/A	9.94	Axle Load	-20.24	Axle Load
61.61(R)	51.8	-3.37	N/A	9.94	Axle Load	-20.24	Axle Load
67.46(B)	56.7	-11.96	N/A	7.85	Axle Load	-23.51	Axle Load
71.40(B)	60.0	-17.74	N/A	6.55	Axle Load	-25.58	Axle Load
73.31(L)	61.6	-20.54	N/A	5.95	Axle Load	-26.57	Axle Load
73.31(R)	61.6	-20.62	N/A	5.95	Axle Load	-26.57	Axle Load
73.38(B)	61.7	-20.73	N/A	5.93	Axle Load	-26.61	Axle Load
73.46(L)	61.7	-20.84	N/A	5.90	Axle Load	-26.65	Axle Load
73.46(R)	61.7	-20.92	N/A	5.90	Axle Load	-26.65	Axle Load
79.31(B)	66.6	-29.50	N/A	5.60	Axle Load	-30.02	Axle Load

83.30(B)	70.0	-35.35	N/A	5.60	Axle Load	-32.02	Axle Load
85.16(L)	71.6	-38.08	N/A	5.60	Axle Load	-32.93	Axle Load
85.16(R)	71.6	-38.16	N/A	5.60	Axle Load	-32.93	Axle Load
85.23(B)	71.6	-38.27	N/A	5.60	Axle Load	-32.97	Axle Load
85.31(L)	71.7	-38.38	N/A	5.60	Axle Load	-33.01	Axle Load
85.31(R)	71.7	-38.46	N/A	5.60	Axle Load	-33.01	Axle Load
91.16(B)	76.6	-47.04	N/A	5.68	Axle Load	-36.21	Axle Load
95.20(B)	80.0	-52.97	N/A	5.68	Axle Load	-38.00	Axle Load
95.50(B)	80.3	-53.41	N/A	5.68	Axle Load	-38.13	Axle Load
97.01(L)	81.5	-55.63	N/A	5.68	Axle Load	-38.77	Axle Load
97.01(R)	81.5	-55.71	N/A	5.68	Axle Load	-38.77	Axle Load
97.08(B)	81.6	-55.82	N/A	5.68	Axle Load	-38.80	Axle Load
97.16(L)	81.6	-55.93	N/A	5.68	Axle Load	-38.84	Axle Load
97.16(R)	81.6	-56.01	N/A	5.68	Axle Load	-38.84	Axle Load
103.01(B)	86.6	-64.59	N/A	5.75	Axle Load	-41.65	Axle Load
104.00(B)	87.4	-66.04	N/A	5.75	Axle Load	-42.01	Axle Load
107.10(B)	90.0	-70.82	N/A	5.75	Axle Load	-43.08	Axle Load
108.86(L)	91.5	-73.53	N/A	5.75	Axle Load	-43.66	Axle Load
108.86(R)	91.5	-73.61	N/A	5.75	Axle Load	-43.66	Axle Load
108.93(B)	91.5	-73.73	N/A	5.75	Axle Load	-43.69	Axle Load
109.01(L)	91.6	-73.84	N/A	5.75	Axle Load	-43.71	Axle Load
109.01(R)	91.6	-73.92	N/A	5.75	Axle Load	-43.71	Axle Load
114.00(B)	95.8	-81.62	N/A	5.82	Axle Load	-45.75	Axle Load
119.00(L)	100.0	-89.32	N/A	5.82	Axle Load	-46.96	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	89.42	N/A	46.97	Axle Load	-5.82	Axle Load
0.93(B)	0.8	87.99	N/A	43.85	Axle Load	-5.46	Axle Load
1.86(L)	1.6	86.56	N/A	43.65	Axle Load	-5.46	Axle Load
1.86(R)	1.6	86.48	N/A	43.65	Axle Load	-5.46	Axle Load
2.03(B)	1.7	86.21	N/A	43.61	Axle Load	-5.46	Axle Load
2.21(L)	1.9	85.94	N/A	43.57	Axle Load	-5.46	Axle Load
2.21(R)	1.9	85.86	N/A	43.57	Axle Load	-5.46	Axle Load
8.13(B)	6.8	76.73	N/A	42.05	Axle Load	-5.46	Axle Load
11.90(B)	10.0	70.92	N/A	40.90	Axle Load	-5.46	Axle Load
14.06(L)	11.8	67.60	N/A	40.21	Axle Load	-5.46	Axle Load
14.06(R)	11.8	67.52	N/A	40.21	Axle Load	-5.46	Axle Load
14.13(B)	11.9	67.40	N/A	40.18	Axle Load	-5.46	Axle Load
14.21(L)	11.9	67.29	N/A	40.16	Axle Load	-5.46	Axle Load
14.21(R)	11.9	67.21	N/A	40.16	Axle Load	-5.46	Axle Load

15.00(B)	12.6	65.99	N/A	39.89	Axle Load	-5.46	Axle Load
20.06(B)	16.9	58.56	N/A	38.04	Axle Load	-5.46	Axle Load
23.50(B)	19.7	53.52	N/A	36.67	Axle Load	-5.46	Axle Load
23.80(B)	20.0	53.08	N/A	36.54	Axle Load	-5.46	Axle Load
25.91(L)	21.8	49.98	N/A	35.66	Axle Load	-5.46	Axle Load
25.91(R)	21.8	49.90	N/A	35.66	Axle Load	-5.46	Axle Load
25.98(B)	21.8	49.79	N/A	35.63	Axle Load	-5.46	Axle Load
26.06(L)	21.9	49.68	N/A	35.60	Axle Load	-5.46	Axle Load
26.06(R)	21.9	49.60	N/A	35.60	Axle Load	-5.46	Axle Load
31.91(B)	26.8	41.02	N/A	32.98	Axle Load	-5.46	Axle Load
35.70(B)	30.0	35.46	N/A	31.19	Axle Load	-5.46	Axle Load
37.76(L)	31.7	32.44	N/A	30.19	Axle Load	-5.46	Axle Load
37.76(R)	31.7	32.36	N/A	30.19	Axle Load	-5.46	Axle Load
37.83(B)	31.8	32.25	N/A	30.16	Axle Load	-5.46	Axle Load
37.91(L)	31.9	32.14	N/A	30.12	Axle Load	-5.46	Axle Load
37.91(R)	31.9	32.06	N/A	30.12	Axle Load	-5.46	Axle Load
43.76(B)	36.8	23.47	N/A	27.20	Axle Load	-5.46	Axle Load
47.60(B)	40.0	17.84	N/A	25.24	Axle Load	-6.46	Axle Load
49.61(L)	41.7	14.89	N/A	24.20	Axle Load	-7.10	Axle Load
49.61(R)	41.7	14.81	N/A	24.20	Axle Load	-7.10	Axle Load
49.68(B)	41.8	14.70	N/A	24.16	Axle Load	-7.12	Axle Load
49.76(L)	41.8	14.59	N/A	24.12	Axle Load	-7.14	Axle Load
49.76(R)	41.8	14.51	N/A	24.12	Axle Load	-7.14	Axle Load
55.61(B)	46.7	5.93	N/A	21.09	Axle Load	-9.22	Axle Load
59.50(B)	50.0	0.22	N/A	19.15	Axle Load	-10.81	Axle Load
61.46(L)	51.6	-2.65	N/A	18.13	Axle Load	-11.61	Axle Load
61.46(R)	51.6	-2.73	N/A	18.13	Axle Load	-11.61	Axle Load
61.53(B)	51.7	-2.84	N/A	18.09	Axle Load	-11.64	Axle Load
61.61(L)	51.8	-2.95	N/A	18.06	Axle Load	-11.67	Axle Load
61.61(R)	51.8	-3.03	N/A	18.06	Axle Load	-11.67	Axle Load
67.46(B)	56.7	-11.62	N/A	15.24	Axle Load	-14.40	Axle Load
71.40(B)	60.0	-17.40	N/A	13.29	Axle Load	-16.29	Axle Load
73.31(L)	61.6	-20.20	N/A	12.35	Axle Load	-17.21	Axle Load
73.31(R)	61.6	-20.28	N/A	12.35	Axle Load	-17.21	Axle Load
73.38(B)	61.7	-20.39	N/A	12.32	Axle Load	-17.25	Axle Load
73.46(L)	61.7	-20.50	N/A	12.28	Axle Load	-17.28	Axle Load
73.46(R)	61.7	-20.58	N/A	12.28	Axle Load	-17.28	Axle Load
79.31(B)	66.6	-29.16	N/A	9.66	Axle Load	-20.48	Axle Load
83.30(B)	70.0	-35.01	N/A	7.86	Axle Load	-22.58	Axle Load
85.16(L)	71.6	-37.74	N/A	7.05	Axle Load	-23.56	Axle Load
85.16(R)	71.6	-37.82	N/A	7.05	Axle Load	-23.56	Axle Load
85.23(B)	71.6	-37.93	N/A	7.02	Axle Load	-23.60	Axle Load
85.31(L)	71.7	-38.04	N/A	6.99	Axle Load	-23.64	Axle Load

85.31(R)	71.7	-38.12	N/A	6.99	Axle Load	-23.64	Axle Load
91.16(B)	76.6	-46.70	N/A	4.63	Axle Load	-27.09	Axle Load
95.20(B)	80.0	-52.63	N/A	3.10	Axle Load	-29.27	Axle Load
95.50(B)	80.3	-53.07	N/A	2.99	Axle Load	-29.43	Axle Load
97.01(L)	81.5	-55.29	N/A	2.43	Axle Load	-30.24	Axle Load
97.01(R)	81.5	-55.37	N/A	2.43	Axle Load	-30.24	Axle Load
97.08(B)	81.6	-55.48	N/A	2.40	Axle Load	-30.28	Axle Load
97.16(L)	81.6	-55.59	N/A	2.38	Axle Load	-30.32	Axle Load
97.16(R)	81.6	-55.67	N/A	2.38	Axle Load	-30.32	Axle Load
103.01(B)	86.6	-64.25	N/A	0.43	Axle Load	-33.83	Axle Load
106.00(B)	89.1	-68.64	N/A	0.00	Axle Load	-35.38	Axle Load
107.10(B)	90.0	-70.33	N/A	0.00	Axle Load	-35.95	Axle Load
108.86(L)	91.5	-73.04	N/A	0.00	Axle Load	-36.85	Axle Load
108.86(R)	91.5	-73.12	N/A	0.00	Axle Load	-36.85	Axle Load
108.93(B)	91.5	-73.24	N/A	0.00	Axle Load	-36.88	Axle Load
109.01(L)	91.6	-73.35	N/A	0.00	Axle Load	-36.92	Axle Load
109.01(R)	91.6	-73.43	N/A	0.00	Axle Load	-36.92	Axle Load
114.00(B)	95.8	-81.13	N/A	0.00	Axle Load	-39.89	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-42.27	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	90.65	N/A	43.96	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	40.88	Axle Load	0.00	Axle Load
1.86(L)	2.0	87.79	N/A	40.54	Axle Load	0.00	Axle Load
1.86(R)	2.0	87.71	N/A	40.54	Axle Load	0.00	Axle Load
2.03(B)	2.1	87.44	N/A	40.48	Axle Load	0.00	Axle Load
2.21(L)	2.3	87.17	N/A	40.41	Axle Load	0.00	Axle Load
2.21(R)	2.3	87.09	N/A	40.41	Axle Load	0.00	Axle Load
8.58(B)	9.0	77.26	N/A	37.93	Axle Load	0.00	Axle Load
9.52(B)	10.0	75.81	N/A	37.54	Axle Load	0.00	Axle Load
13.00(B)	13.6	70.46	N/A	36.06	Axle Load	0.00	Axle Load
14.96(L)	15.7	67.58	N/A	35.20	Axle Load	-0.17	Axle Load
14.96(R)	15.7	67.50	N/A	35.20	Axle Load	-0.17	Axle Load
15.25(B)	16.0	67.08	N/A	35.07	Axle Load	-0.23	Axle Load
15.54(L)	16.3	66.65	N/A	34.94	Axle Load	-0.30	Axle Load
15.54(R)	16.3	66.57	N/A	34.94	Axle Load	-0.30	Axle Load
19.05(B)	20.0	61.42	N/A	33.33	Axle Load	-1.12	Axle Load
21.62(B)	22.7	57.65	N/A	32.11	Axle Load	-1.78	Axle Load
23.50(B)	24.7	54.89	N/A	31.20	Axle Load	-2.29	Axle Load
27.71(L)	29.1	48.72	N/A	29.08	Axle Load	-3.50	Axle Load

27.71(R)	29.1	48.64	N/A	29.08	Axle Load	-3.50	Axle Load
28.00(B)	29.4	48.21	N/A	28.94	Axle Load	-3.59	Axle Load
28.29(L)	29.7	47.79	N/A	28.79	Axle Load	-3.68	Axle Load
28.29(R)	29.7	47.71	N/A	28.79	Axle Load	-3.68	Axle Load
28.58(B)	30.0	47.29	N/A	28.64	Axle Load	-3.77	Axle Load
34.37(B)	36.1	38.78	N/A	25.57	Axle Load	-5.67	Axle Load
38.10(B)	40.0	33.32	N/A	23.52	Axle Load	-6.99	Axle Load
40.46(L)	42.5	29.85	N/A	22.20	Axle Load	-7.87	Axle Load
40.46(R)	42.5	29.77	N/A	22.20	Axle Load	-7.87	Axle Load
40.75(B)	42.8	29.35	N/A	22.03	Axle Load	-7.98	Axle Load
41.04(L)	43.1	28.92	N/A	21.87	Axle Load	-8.09	Axle Load
41.04(R)	43.1	28.84	N/A	21.87	Axle Load	-8.09	Axle Load
47.12(B)	49.5	19.92	N/A	18.36	Axle Load	-10.55	Axle Load
47.63(B)	50.0	19.18	N/A	18.13	Axle Load	-10.79	Axle Load
53.21(L)	55.9	10.99	N/A	15.07	Axle Load	-13.38	Axle Load
53.21(R)	55.9	10.91	N/A	15.07	Axle Load	-13.38	Axle Load
53.50(B)	56.2	10.48	N/A	14.92	Axle Load	-13.51	Axle Load
53.79(L)	56.5	10.06	N/A	14.76	Axle Load	-13.65	Axle Load
53.79(R)	56.5	9.98	N/A	14.76	Axle Load	-13.65	Axle Load
57.15(B)	60.0	5.05	N/A	12.94	Axle Load	-15.24	Axle Load
59.87(B)	62.9	1.05	N/A	11.45	Axle Load	-16.58	Axle Load
65.96(L)	69.2	-7.88	N/A	8.38	Axle Load	-19.94	Axle Load
65.96(R)	69.2	-7.96	N/A	8.38	Axle Load	-19.94	Axle Load
66.25(B)	69.6	-8.38	N/A	8.30	Axle Load	-20.10	Axle Load
66.54(L)	69.9	-8.81	N/A	8.22	Axle Load	-20.25	Axle Load
66.54(R)	69.9	-8.89	N/A	8.22	Axle Load	-20.25	Axle Load
66.68(B)	70.0	-9.09	N/A	8.19	Axle Load	-20.33	Axle Load
72.62(B)	76.2	-17.81	N/A	6.61	Axle Load	-23.89	Axle Load
76.20(B)	80.0	-23.06	N/A	5.59	Axle Load	-25.95	Axle Load
78.71(L)	82.6	-26.74	N/A	4.86	Axle Load	-27.42	Axle Load
78.71(R)	82.6	-26.82	N/A	4.86	Axle Load	-27.42	Axle Load
79.00(B)	82.9	-27.25	N/A	4.78	Axle Load	-27.60	Axle Load
79.29(L)	83.2	-27.67	N/A	4.69	Axle Load	-27.77	Axle Load
79.29(R)	83.2	-27.75	N/A	4.69	Axle Load	-27.77	Axle Load
85.37(B)	89.6	-36.68	N/A	4.02	Axle Load	-31.82	Axle Load
85.72(B)	90.0	-37.19	N/A	4.02	Axle Load	-32.04	Axle Load
91.46(L)	96.0	-45.61	N/A	4.07	Axle Load	-36.06	Axle Load
91.46(R)	96.0	-45.69	N/A	4.07	Axle Load	-36.06	Axle Load
91.75(B)	96.3	-46.11	N/A	4.07	Axle Load	-36.25	Axle Load
92.04(L)	96.6	-46.54	N/A	4.07	Axle Load	-36.44	Axle Load
92.04(R)	96.6	-46.62	N/A	4.07	Axle Load	-36.44	Axle Load
93.64(B)	98.3	-48.97	N/A	4.07	Axle Load	-37.48	Axle Load
95.25(L)	100.0	-51.33	N/A	4.07	Axle Load	-38.52	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: OH-2F1
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	31.71	Axle Load	-3.06	Axle Load
2	179.47	N/A	35.31	Axle Load	0.00	Axle Load
3	178.74	N/A	35.29	Axle Load	-4.67	Axle Load
4	179.48	N/A	35.46	Axle Load	0.00	Axle Load
5	51.33	N/A	33.68	Axle Load	-3.26	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: OH-2F1
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	73.68	Axle Load	-7.47	Axle Load
6.64(L)	7.0	308.14	N/A	140.18	Axle Load	-14.94	Axle Load
6.64(R)	7.0	308.14	N/A	140.18	Axle Load	-14.94	Axle Load
9.52(B)	10.0	421.44	N/A	192.16	Axle Load	-21.44	Axle Load
13.11(B)	13.8	545.33	N/A	249.41	Axle Load	-29.51	Axle Load
19.05(B)	20.0	708.73	N/A	326.21	Axle Load	-42.87	Axle Load
19.59(L)	20.6	721.01	N/A	332.12	Axle Load	-44.09	Axle Load
19.59(R)	20.6	721.01	N/A	332.12	Axle Load	-44.09	Axle Load
26.06(B)	27.4	834.15	N/A	389.40	Axle Load	-58.66	Axle Load
28.58(B)	30.0	861.47	N/A	404.96	Axle Load	-64.31	Axle Load
32.54(L)	34.2	885.78	N/A	422.55	Axle Load	-73.23	Axle Load

32.54(R)	34.2	885.78	N/A	422.55	Axle Load	-73.23	Axle Load
38.10(B)	40.0	880.13	N/A	432.87	Axle Load	-85.74	Axle Load
39.01(B)	41.0	874.86	N/A	433.12	Axle Load	-87.80	Axle Load
45.49(L)	47.8	802.44	N/A	426.20	Axle Load	-102.37	Axle Load
45.49(R)	47.8	802.44	N/A	426.20	Axle Load	-102.37	Axle Load
47.63(B)	50.0	764.72	N/A	421.22	Axle Load	-107.18	Axle Load
51.96(B)	54.6	667.47	N/A	405.04	Axle Load	-116.95	Axle Load
57.15(B)	60.0	515.02	N/A	375.11	Axle Load	-128.62	Axle Load
58.44(L)	61.4	470.99	N/A	366.18	Axle Load	-131.52	Axle Load
58.44(R)	61.4	470.99	N/A	366.18	Axle Load	-131.52	Axle Load
64.91(B)	68.2	211.97	N/A	312.85	Axle Load	-146.09	Axle Load
66.68(B)	70.0	130.91	N/A	296.06	Axle Load	-150.05	Axle Load
71.39(L)	74.9	-108.56	N/A	240.48	Axle Load	-155.78	Axle Load
71.39(R)	74.9	-108.56	N/A	240.48	Axle Load	-155.78	Axle Load
71.75(B)	75.3	-128.27	N/A	236.71	Axle Load	-156.57	Axle Load
76.20(B)	80.0	-387.28	N/A	188.01	Axle Load	-166.28	Axle Load
77.86(B)	81.7	-491.63	N/A	169.39	Axle Load	-169.91	Axle Load
82.25(B)	86.4	-786.02	N/A	118.67	Axle Load	-179.48	Axle Load
84.34(L)	88.5	-936.37	N/A	94.26	Axle Load	-184.04	Axle Load
84.34(R)	88.5	-936.37	N/A	94.26	Axle Load	-184.04	Axle Load
85.72(B)	90.0	-1040.00	N/A	77.67	Axle Load	-187.06	Axle Load
89.79(B)	94.3	-1361.49	N/A	29.16	Axle Load	-195.94	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-241.79	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-241.79	Axle Load
1.02(B)	0.9	-1742.59	N/A	0.00	Axle Load	-238.61	Axle Load
2.04(L)	1.7	-1654.31	N/A	0.00	Axle Load	-235.43	Axle Load
2.04(R)	1.7	-1654.31	N/A	0.00	Axle Load	-235.43	Axle Load
2.12(B)	1.8	-1647.03	N/A	0.00	Axle Load	-235.16	Axle Load
2.21(L)	1.9	-1639.76	N/A	0.00	Axle Load	-234.90	Axle Load
2.21(R)	1.9	-1639.76	N/A	0.00	Axle Load	-234.90	Axle Load
8.13(B)	6.8	-1160.99	N/A	69.64	Axle Load	-216.41	Axle Load
11.90(B)	10.0	-884.84	N/A	113.95	Axle Load	-204.66	Axle Load
13.00(B)	10.9	-808.29	N/A	126.44	Axle Load	-201.23	Axle Load
14.06(L)	11.8	-736.29	N/A	138.30	Axle Load	-197.93	Axle Load
14.06(R)	11.8	-736.29	N/A	138.30	Axle Load	-197.93	Axle Load
14.13(B)	11.9	-731.26	N/A	139.14	Axle Load	-197.69	Axle Load
14.21(L)	11.9	-726.24	N/A	139.98	Axle Load	-197.46	Axle Load
14.21(R)	11.9	-726.24	N/A	139.98	Axle Load	-197.46	Axle Load

20.06(B)	16.9	-360.52	N/A	202.14	Axle Load	-179.21	Axle Load
23.50(B)	19.7	-168.88	N/A	234.78	Axle Load	-168.47	Axle Load
23.80(B)	20.0	-152.99	N/A	237.50	Axle Load	-167.54	Axle Load
25.91(L)	21.8	-45.01	N/A	248.81	Axle Load	-156.59	Axle Load
25.91(R)	21.8	-45.01	N/A	248.81	Axle Load	-156.59	Axle Load
25.98(B)	21.8	-41.30	N/A	249.42	Axle Load	-156.36	Axle Load
26.06(L)	21.9	-37.59	N/A	250.03	Axle Load	-156.13	Axle Load
26.06(R)	21.9	-37.59	N/A	250.03	Axle Load	-156.13	Axle Load
31.91(B)	26.8	225.48	N/A	292.55	Axle Load	-138.38	Axle Load
35.70(B)	30.0	369.14	N/A	313.90	Axle Load	-126.87	Axle Load
37.76(L)	31.7	438.35	N/A	323.38	Axle Load	-120.62	Axle Load
37.76(R)	31.7	438.35	N/A	323.38	Axle Load	-120.62	Axle Load
37.83(B)	31.8	440.75	N/A	323.70	Axle Load	-120.39	Axle Load
37.91(L)	31.9	443.14	N/A	324.02	Axle Load	-120.17	Axle Load
37.91(R)	31.9	443.14	N/A	324.02	Axle Load	-120.17	Axle Load
43.76(B)	36.8	603.58	N/A	342.74	Axle Load	-102.41	Axle Load
47.60(B)	40.0	681.61	N/A	348.00	Axle Load	-90.75	Axle Load
49.61(L)	41.7	713.81	N/A	348.55	Axle Load	-84.65	Axle Load
49.61(R)	41.7	713.81	N/A	348.55	Axle Load	-84.65	Axle Load
49.68(B)	41.8	714.90	N/A	348.55	Axle Load	-84.43	Axle Load
49.76(L)	41.8	715.97	N/A	348.54	Axle Load	-84.20	Axle Load
49.76(R)	41.8	715.97	N/A	348.54	Axle Load	-84.20	Axle Load
55.61(B)	46.7	773.77	N/A	344.94	Axle Load	-66.44	Axle Load
59.50(B)	50.0	784.42	N/A	336.07	Axle Load	-54.63	Axle Load
61.46(L)	51.6	781.37	N/A	329.85	Axle Load	-48.68	Axle Load
61.46(R)	51.6	781.37	N/A	329.85	Axle Load	-48.68	Axle Load
61.53(B)	51.7	781.13	N/A	329.59	Axle Load	-48.46	Axle Load
61.61(L)	51.8	780.89	N/A	329.32	Axle Load	-48.23	Axle Load
61.61(R)	51.8	780.89	N/A	329.32	Axle Load	-48.23	Axle Load
67.46(B)	56.7	736.06	N/A	302.30	Axle Load	-30.47	Axle Load
71.40(B)	60.0	677.56	N/A	278.27	Axle Load	-18.51	Axle Load
73.31(L)	61.6	641.02	N/A	265.44	Axle Load	-12.72	Axle Load
73.31(R)	61.6	641.02	N/A	265.44	Axle Load	-12.72	Axle Load
73.38(B)	61.7	639.47	N/A	264.92	Axle Load	-12.49	Axle Load
73.46(L)	61.7	637.91	N/A	264.39	Axle Load	-12.26	Axle Load
73.46(R)	61.7	637.91	N/A	264.39	Axle Load	-12.26	Axle Load
79.31(B)	66.6	490.44	N/A	218.95	Axle Load	-2.98	Axle Load
83.30(B)	70.0	361.03	N/A	184.44	Axle Load	-20.99	Axle Load
85.16(L)	71.6	292.76	N/A	168.12	Axle Load	-33.24	Axle Load
85.16(R)	71.6	292.76	N/A	168.12	Axle Load	-33.24	Axle Load
85.23(B)	71.6	289.89	N/A	167.45	Axle Load	-33.78	Axle Load
85.31(L)	71.7	287.02	N/A	166.78	Axle Load	-34.33	Axle Load
85.31(R)	71.7	287.02	N/A	166.78	Axle Load	-34.33	Axle Load

91.16(B)	76.6	36.91	N/A	118.42	Axle Load	-86.45	Axle Load
95.20(B)	80.0	-165.15	N/A	88.24	Axle Load	-131.71	Axle Load
95.50(B)	80.3	-181.11	N/A	86.15	Axle Load	-135.45	Axle Load
97.01(L)	81.5	-263.41	N/A	75.69	Axle Load	-153.96	Axle Load
97.01(R)	81.5	-263.41	N/A	75.69	Axle Load	-153.96	Axle Load
97.08(B)	81.6	-267.59	N/A	75.18	Axle Load	-154.94	Axle Load
97.16(L)	81.6	-271.78	N/A	74.68	Axle Load	-155.92	Axle Load
97.16(R)	81.6	-271.78	N/A	74.68	Axle Load	-155.92	Axle Load
103.01(B)	86.6	-624.52	N/A	77.43	Axle Load	-235.08	Axle Load
104.00(B)	87.4	-689.23	N/A	80.44	Axle Load	-249.53	Axle Load
107.10(B)	90.0	-901.36	N/A	89.85	Axle Load	-296.18	Axle Load
108.86(L)	91.5	-1028.35	N/A	95.19	Axle Load	-323.45	Axle Load
108.86(R)	91.5	-1028.35	N/A	95.19	Axle Load	-323.45	Axle Load
108.93(B)	91.5	-1033.88	N/A	95.42	Axle Load	-324.66	Axle Load
109.01(L)	91.6	-1039.41	N/A	95.64	Axle Load	-325.86	Axle Load
109.01(R)	91.6	-1039.41	N/A	95.64	Axle Load	-325.86	Axle Load
114.00(B)	95.8	-1427.90	N/A	110.81	Axle Load	-406.33	Axle Load
119.00(L)	100.0	-1854.85	N/A	125.97	Axle Load	-491.27	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1854.80	N/A	125.92	Axle Load	-491.06	Axle Load
0.93(B)	0.8	-1772.33	N/A	123.10	Axle Load	-475.31	Axle Load
1.86(L)	1.6	-1691.19	N/A	120.28	Axle Load	-459.51	Axle Load
1.86(R)	1.6	-1691.19	N/A	120.28	Axle Load	-459.51	Axle Load
2.03(B)	1.7	-1676.08	N/A	119.75	Axle Load	-456.54	Axle Load
2.21(L)	1.9	-1661.02	N/A	119.22	Axle Load	-453.58	Axle Load
2.21(R)	1.9	-1661.02	N/A	119.22	Axle Load	-453.58	Axle Load
8.13(B)	6.8	-1179.36	N/A	101.24	Axle Load	-355.45	Axle Load
11.90(B)	10.0	-901.36	N/A	89.81	Axle Load	-295.95	Axle Load
14.06(L)	11.8	-751.80	N/A	83.26	Axle Load	-263.63	Axle Load
14.06(R)	11.8	-751.80	N/A	83.26	Axle Load	-263.63	Axle Load
14.13(B)	11.9	-746.74	N/A	83.03	Axle Load	-262.52	Axle Load
14.21(L)	11.9	-741.69	N/A	82.81	Axle Load	-261.41	Axle Load
14.21(R)	11.9	-741.69	N/A	82.81	Axle Load	-261.41	Axle Load
15.00(B)	12.6	-689.04	N/A	80.41	Axle Load	-249.72	Axle Load
20.06(B)	16.9	-373.96	N/A	65.06	Axle Load	-179.04	Axle Load
23.50(B)	19.7	-181.15	N/A	86.06	Axle Load	-135.17	Axle Load
23.80(B)	20.0	-165.16	N/A	88.14	Axle Load	-131.65	Axle Load
25.91(L)	21.8	-56.46	N/A	103.61	Axle Load	-107.17	Axle Load
25.91(R)	21.8	-56.46	N/A	103.61	Axle Load	-107.17	Axle Load

25.98(B)	21.8	-52.72	N/A	104.18	Axle Load	-106.35	Axle Load
26.06(L)	21.9	-48.99	N/A	104.75	Axle Load	-105.53	Axle Load
26.06(R)	21.9	-48.99	N/A	104.75	Axle Load	-105.53	Axle Load
31.91(B)	26.8	216.08	N/A	150.57	Axle Load	-48.05	Axle Load
35.70(B)	30.0	361.02	N/A	184.61	Axle Load	-20.82	Axle Load
37.76(L)	31.7	430.94	N/A	202.45	Axle Load	-10.06	Axle Load
37.76(R)	31.7	430.94	N/A	202.45	Axle Load	-10.06	Axle Load
37.83(B)	31.8	433.36	N/A	203.10	Axle Load	-9.73	Axle Load
37.91(L)	31.9	435.77	N/A	203.75	Axle Load	-9.40	Axle Load
37.91(R)	31.9	435.77	N/A	203.75	Axle Load	-9.40	Axle Load
43.76(B)	36.8	598.20	N/A	251.35	Axle Load	-6.85	Axle Load
47.60(B)	40.0	677.54	N/A	278.39	Axle Load	-18.50	Axle Load
49.61(L)	41.7	710.43	N/A	291.01	Axle Load	-24.60	Axle Load
49.61(R)	41.7	710.43	N/A	291.01	Axle Load	-24.60	Axle Load
49.68(B)	41.8	711.53	N/A	291.46	Axle Load	-24.83	Axle Load
49.76(L)	41.8	712.63	N/A	291.92	Axle Load	-25.06	Axle Load
49.76(R)	41.8	712.63	N/A	291.92	Axle Load	-25.06	Axle Load
55.61(B)	46.7	772.43	N/A	322.28	Axle Load	-42.81	Axle Load
59.50(B)	50.0	784.39	N/A	336.17	Axle Load	-54.61	Axle Load
61.46(L)	51.6	782.01	N/A	341.16	Axle Load	-60.56	Axle Load
61.46(R)	51.6	782.01	N/A	341.16	Axle Load	-60.56	Axle Load
61.53(B)	51.7	781.80	N/A	341.33	Axle Load	-60.78	Axle Load
61.61(L)	51.8	781.59	N/A	341.50	Axle Load	-61.01	Axle Load
61.61(R)	51.8	781.59	N/A	341.50	Axle Load	-61.01	Axle Load
67.46(B)	56.7	738.74	N/A	348.41	Axle Load	-78.76	Axle Load
71.40(B)	60.0	681.58	N/A	347.90	Axle Load	-90.72	Axle Load
73.31(L)	61.6	645.69	N/A	346.10	Axle Load	-96.51	Axle Load
73.31(R)	61.6	645.69	N/A	346.10	Axle Load	-96.51	Axle Load
73.38(B)	61.7	644.17	N/A	346.00	Axle Load	-96.74	Axle Load
73.46(L)	61.7	642.63	N/A	345.90	Axle Load	-96.97	Axle Load
73.46(R)	61.7	642.63	N/A	345.90	Axle Load	-96.97	Axle Load
79.31(B)	66.6	497.15	N/A	331.07	Axle Load	-114.72	Axle Load
83.30(B)	70.0	369.10	N/A	313.80	Axle Load	-126.82	Axle Load
85.16(L)	71.6	301.46	N/A	304.08	Axle Load	-132.47	Axle Load
85.16(R)	71.6	301.46	N/A	304.08	Axle Load	-132.47	Axle Load
85.23(B)	71.6	298.62	N/A	303.66	Axle Load	-132.69	Axle Load
85.31(L)	71.7	295.77	N/A	303.24	Axle Load	-132.92	Axle Load
85.31(R)	71.7	295.77	N/A	303.24	Axle Load	-132.92	Axle Load
91.16(B)	76.6	47.65	N/A	264.14	Axle Load	-150.67	Axle Load
95.20(B)	80.0	-153.04	N/A	237.37	Axle Load	-167.47	Axle Load
95.50(B)	80.3	-168.89	N/A	234.70	Axle Load	-168.41	Axle Load
97.01(L)	81.5	-250.67	N/A	220.90	Axle Load	-173.11	Axle Load
97.01(R)	81.5	-250.67	N/A	220.90	Axle Load	-173.11	Axle Load

97.08(B)	81.6	-254.83	N/A	220.20	Axle Load	-173.35	Axle Load
97.16(L)	81.6	-258.99	N/A	219.49	Axle Load	-173.58	Axle Load
97.16(R)	81.6	-258.99	N/A	219.49	Axle Load	-173.58	Axle Load
103.01(B)	86.6	-609.75	N/A	159.68	Axle Load	-191.83	Axle Load
106.00(B)	89.1	-808.45	N/A	126.40	Axle Load	-201.15	Axle Load
107.10(B)	90.0	-884.89	N/A	113.82	Axle Load	-204.58	Axle Load
108.86(L)	91.5	-1011.02	N/A	93.61	Axle Load	-210.07	Axle Load
108.86(R)	91.5	-1011.02	N/A	93.61	Axle Load	-210.07	Axle Load
108.93(B)	91.5	-1016.50	N/A	92.73	Axle Load	-210.30	Axle Load
109.01(L)	91.6	-1022.00	N/A	91.85	Axle Load	-210.54	Axle Load
109.01(R)	91.6	-1022.00	N/A	91.85	Axle Load	-210.54	Axle Load
114.00(B)	95.8	-1408.06	N/A	30.76	Axle Load	-226.12	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-241.70	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-241.70	Axle Load
0.93(B)	1.0	-1748.95	N/A	0.00	Axle Load	-226.90	Axle Load
1.86(L)	2.0	-1666.67	N/A	0.00	Axle Load	-212.15	Axle Load
1.86(R)	2.0	-1666.67	N/A	0.00	Axle Load	-212.15	Axle Load
2.03(B)	2.1	-1651.34	N/A	0.00	Axle Load	-209.39	Axle Load
2.21(L)	2.3	-1636.07	N/A	0.00	Axle Load	-206.70	Axle Load
2.21(R)	2.3	-1636.07	N/A	0.00	Axle Load	-206.70	Axle Load
8.58(B)	9.0	-1112.19	N/A	66.43	Axle Load	-189.19	Axle Load
9.52(B)	10.0	-1040.20	N/A	77.62	Axle Load	-187.13	Axle Load
13.00(B)	13.6	-786.05	N/A	118.61	Axle Load	-179.55	Axle Load
14.96(L)	15.7	-650.81	N/A	141.54	Axle Load	-175.27	Axle Load
14.96(R)	15.7	-650.81	N/A	141.54	Axle Load	-175.27	Axle Load
15.25(B)	16.0	-631.30	N/A	144.90	Axle Load	-174.64	Axle Load
15.54(L)	16.3	-611.91	N/A	148.25	Axle Load	-174.00	Axle Load
15.54(R)	16.3	-611.91	N/A	148.25	Axle Load	-174.00	Axle Load
19.05(B)	20.0	-387.24	N/A	188.09	Axle Load	-166.34	Axle Load
21.62(B)	22.7	-233.97	N/A	216.65	Axle Load	-160.72	Axle Load
23.50(B)	24.7	-128.43	N/A	236.50	Axle Load	-156.63	Axle Load
27.71(L)	29.1	89.65	N/A	287.54	Axle Load	-152.06	Axle Load
27.71(R)	29.1	89.65	N/A	287.54	Axle Load	-152.06	Axle Load
28.00(B)	29.4	103.69	N/A	290.38	Axle Load	-151.40	Axle Load
28.29(L)	29.7	117.61	N/A	293.22	Axle Load	-150.75	Axle Load
28.29(R)	29.7	117.61	N/A	293.22	Axle Load	-150.75	Axle Load
28.58(B)	30.0	131.18	N/A	296.02	Axle Load	-150.11	Axle Load
34.37(B)	36.1	380.76	N/A	347.80	Axle Load	-137.05	Axle Load

38.10(B)	40.0	515.06	N/A	375.14	Axle Load	-128.66	Axle Load
40.46(L)	42.5	589.58	N/A	390.09	Axle Load	-123.35	Axle Load
40.46(R)	42.5	589.58	N/A	390.09	Axle Load	-123.35	Axle Load
40.75(B)	42.8	598.15	N/A	391.77	Axle Load	-122.70	Axle Load
41.04(L)	43.1	606.60	N/A	393.41	Axle Load	-122.05	Axle Load
41.04(R)	43.1	606.60	N/A	393.41	Axle Load	-122.05	Axle Load
47.12(B)	49.5	754.95	N/A	419.73	Axle Load	-108.35	Axle Load
47.63(B)	50.0	764.73	N/A	421.20	Axle Load	-107.22	Axle Load
53.21(L)	55.9	848.97	N/A	431.02	Axle Load	-94.65	Axle Load
53.21(R)	55.9	848.97	N/A	431.02	Axle Load	-94.65	Axle Load
53.50(B)	56.2	852.08	N/A	431.42	Axle Load	-94.00	Axle Load
53.79(L)	56.5	855.05	N/A	431.78	Axle Load	-93.34	Axle Load
53.79(R)	56.5	855.05	N/A	431.78	Axle Load	-93.34	Axle Load
57.15(B)	60.0	880.30	N/A	432.85	Axle Load	-85.78	Axle Load
59.87(B)	62.9	888.61	N/A	429.84	Axle Load	-79.64	Axle Load
65.96(L)	69.2	867.84	N/A	408.78	Axle Load	-65.94	Axle Load
65.96(R)	69.2	867.84	N/A	408.78	Axle Load	-65.94	Axle Load
66.25(B)	69.6	865.47	N/A	407.27	Axle Load	-65.29	Axle Load
66.54(L)	69.9	862.98	N/A	405.72	Axle Load	-64.64	Axle Load
66.54(R)	69.9	862.98	N/A	405.72	Axle Load	-64.64	Axle Load
66.68(B)	70.0	861.76	N/A	404.97	Axle Load	-64.33	Axle Load
72.62(B)	76.2	781.74	N/A	362.10	Axle Load	-50.94	Axle Load
76.20(B)	80.0	708.66	N/A	326.21	Axle Load	-42.89	Axle Load
78.71(L)	82.6	646.17	N/A	296.43	Axle Load	-37.24	Axle Load
78.71(R)	82.6	646.17	N/A	296.43	Axle Load	-37.24	Axle Load
79.00(B)	82.9	638.33	N/A	292.73	Axle Load	-36.59	Axle Load
79.29(L)	83.2	630.37	N/A	288.99	Axle Load	-35.93	Axle Load
79.29(R)	83.2	630.37	N/A	288.99	Axle Load	-35.93	Axle Load
85.37(B)	89.6	434.33	N/A	198.12	Axle Load	-22.23	Axle Load
85.72(B)	90.0	421.39	N/A	192.17	Axle Load	-21.44	Axle Load
91.46(L)	96.0	183.98	N/A	83.55	Axle Load	-8.53	Axle Load
91.46(R)	96.0	183.98	N/A	83.55	Axle Load	-8.53	Axle Load
91.75(B)	96.3	170.67	N/A	77.49	Axle Load	-7.88	Axle Load
92.04(L)	96.6	157.23	N/A	71.38	Axle Load	-7.23	Axle Load
92.04(R)	96.6	157.23	N/A	71.38	Axle Load	-7.23	Axle Load
93.64(B)	98.3	80.51	N/A	36.53	Axle Load	-3.61	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:
 (B) Both
 (L) Left
 (R) Right

Shear Summary
Live Load: OH-2F1
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	31.71	Axle Load	-3.06	Axle Load
3.32(B)	3.5	46.41	N/A	30.23	Axle Load	-3.06	Axle Load
6.64(L)	7.0	41.54	N/A	28.75	Axle Load	-3.06	Axle Load
6.64(R)	7.0	41.38	N/A	28.75	Axle Load	-3.06	Axle Load
9.52(B)	10.0	37.15	N/A	27.47	Axle Load	-3.06	Axle Load
13.11(B)	13.8	31.88	N/A	25.90	Axle Load	-4.36	Axle Load
19.05(B)	20.0	23.17	N/A	23.32	Axle Load	-6.98	Axle Load
19.59(L)	20.6	22.38	N/A	23.09	Axle Load	-7.22	Axle Load
19.59(R)	20.6	22.22	N/A	23.09	Axle Load	-7.22	Axle Load
26.06(B)	27.4	12.72	N/A	20.35	Axle Load	-10.02	Axle Load
28.58(B)	30.0	9.04	N/A	19.30	Axle Load	-11.10	Axle Load
32.54(L)	34.2	3.22	N/A	17.68	Axle Load	-12.77	Axle Load
32.54(R)	34.2	3.06	N/A	17.68	Axle Load	-12.77	Axle Load
38.10(B)	40.0	-5.09	N/A	15.47	Axle Load	-15.07	Axle Load
39.01(B)	41.0	-6.44	N/A	15.12	Axle Load	-15.44	Axle Load
45.49(L)	47.8	-15.93	N/A	12.67	Axle Load	-18.00	Axle Load
45.49(R)	47.8	-16.09	N/A	12.67	Axle Load	-18.00	Axle Load
47.63(B)	50.0	-19.23	N/A	11.93	Axle Load	-18.88	Axle Load
51.96(B)	54.6	-25.59	N/A	10.40	Axle Load	-20.51	Axle Load
57.15(B)	60.0	-33.20	N/A	8.73	Axle Load	-22.60	Axle Load
58.44(L)	61.4	-35.09	N/A	8.31	Axle Load	-23.05	Axle Load
58.44(R)	61.4	-35.25	N/A	8.31	Axle Load	-23.05	Axle Load
64.91(B)	68.2	-44.75	N/A	6.38	Axle Load	-25.55	Axle Load
66.68(B)	70.0	-47.34	N/A	5.85	Axle Load	-26.12	Axle Load
71.39(L)	74.9	-54.25	N/A	4.54	Axle Load	-27.58	Axle Load
71.39(R)	74.9	-54.41	N/A	4.54	Axle Load	-27.58	Axle Load
71.75(B)	75.3	-54.94	N/A	4.49	Axle Load	-28.03	Axle Load
76.20(B)	80.0	-61.47	N/A	3.34	Axle Load	-29.33	Axle Load
77.86(B)	81.7	-63.91	N/A	2.94	Axle Load	-29.79	Axle Load
82.25(B)	86.4	-70.35	N/A	1.96	Axle Load	-31.31	Axle Load
84.34(L)	88.5	-73.57	N/A	1.51	Axle Load	-31.82	Axle Load

84.34(R)	88.5	-73.73	N/A	1.51	Axle Load	-31.82	Axle Load
85.72(B)	90.0	-75.86	N/A	1.22	Axle Load	-32.16	Axle Load
89.79(B)	94.3	-82.13	N/A	0.44	Axle Load	-33.07	Axle Load
95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-34.59	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	34.37	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	32.11	Axle Load	0.00	Axle Load
2.04(L)	1.7	85.79	N/A	31.85	Axle Load	0.00	Axle Load
2.04(R)	1.7	85.71	N/A	31.85	Axle Load	0.00	Axle Load
2.12(B)	1.8	85.58	N/A	31.83	Axle Load	0.00	Axle Load
2.21(L)	1.9	85.45	N/A	31.81	Axle Load	0.00	Axle Load
2.21(R)	1.9	85.37	N/A	31.81	Axle Load	0.00	Axle Load
8.13(B)	6.8	76.24	N/A	30.21	Axle Load	-1.21	Axle Load
11.90(B)	10.0	70.44	N/A	29.12	Axle Load	-2.18	Axle Load
13.00(B)	10.9	68.74	N/A	28.78	Axle Load	-2.48	Axle Load
14.06(L)	11.8	67.19	N/A	28.46	Axle Load	-2.77	Axle Load
14.06(R)	11.8	67.11	N/A	28.46	Axle Load	-2.77	Axle Load
14.13(B)	11.9	67.00	N/A	28.44	Axle Load	-2.79	Axle Load
14.21(L)	11.9	66.89	N/A	28.41	Axle Load	-2.81	Axle Load
14.21(R)	11.9	66.81	N/A	28.41	Axle Load	-2.81	Axle Load
20.06(B)	16.9	58.22	N/A	26.51	Axle Load	-4.53	Axle Load
23.50(B)	19.7	53.18	N/A	25.33	Axle Load	-5.62	Axle Load
23.80(B)	20.0	52.74	N/A	25.23	Axle Load	-5.72	Axle Load
25.91(L)	21.8	49.64	N/A	24.48	Axle Load	-6.42	Axle Load
25.91(R)	21.8	49.56	N/A	24.48	Axle Load	-6.42	Axle Load
25.98(B)	21.8	49.45	N/A	24.45	Axle Load	-6.44	Axle Load
26.06(L)	21.9	49.34	N/A	24.43	Axle Load	-6.47	Axle Load
26.06(R)	21.9	49.26	N/A	24.43	Axle Load	-6.47	Axle Load
31.91(B)	26.8	40.68	N/A	22.29	Axle Load	-8.48	Axle Load
35.70(B)	30.0	35.12	N/A	20.87	Axle Load	-9.85	Axle Load
37.76(L)	31.7	32.10	N/A	20.09	Axle Load	-10.61	Axle Load
37.76(R)	31.7	32.02	N/A	20.09	Axle Load	-10.61	Axle Load
37.83(B)	31.8	31.91	N/A	20.06	Axle Load	-10.63	Axle Load
37.91(L)	31.9	31.80	N/A	20.03	Axle Load	-10.66	Axle Load
37.91(R)	31.9	31.72	N/A	20.03	Axle Load	-10.66	Axle Load
43.76(B)	36.8	23.13	N/A	17.80	Axle Load	-12.86	Axle Load
47.60(B)	40.0	17.50	N/A	16.33	Axle Load	-14.32	Axle Load
49.61(L)	41.7	14.55	N/A	15.56	Axle Load	-15.09	Axle Load
49.61(R)	41.7	14.47	N/A	15.56	Axle Load	-15.09	Axle Load

49.68(B)	41.8	14.36	N/A	15.53	Axle Load	-15.12	Axle Load
49.76(L)	41.8	14.25	N/A	15.50	Axle Load	-15.15	Axle Load
49.76(R)	41.8	14.17	N/A	15.50	Axle Load	-15.15	Axle Load
55.61(B)	46.7	5.59	N/A	13.30	Axle Load	-17.39	Axle Load
59.50(B)	50.0	-0.12	N/A	11.91	Axle Load	-18.92	Axle Load
61.46(L)	51.6	-2.99	N/A	11.20	Axle Load	-19.66	Axle Load
61.46(R)	51.6	-3.07	N/A	11.20	Axle Load	-19.66	Axle Load
61.53(B)	51.7	-3.18	N/A	11.17	Axle Load	-19.69	Axle Load
61.61(L)	51.8	-3.29	N/A	11.15	Axle Load	-19.72	Axle Load
61.61(R)	51.8	-3.37	N/A	11.15	Axle Load	-19.72	Axle Load
67.46(B)	56.7	-11.96	N/A	9.20	Axle Load	-22.09	Axle Load
71.40(B)	60.0	-17.74	N/A	7.89	Axle Load	-23.50	Axle Load
73.31(L)	61.6	-20.54	N/A	7.27	Axle Load	-24.16	Axle Load
73.31(R)	61.6	-20.62	N/A	7.27	Axle Load	-24.16	Axle Load
73.38(B)	61.7	-20.73	N/A	7.25	Axle Load	-24.19	Axle Load
73.46(L)	61.7	-20.84	N/A	7.22	Axle Load	-24.21	Axle Load
73.46(R)	61.7	-20.92	N/A	7.22	Axle Load	-24.21	Axle Load
79.31(B)	66.6	-29.50	N/A	5.55	Axle Load	-26.50	Axle Load
83.30(B)	70.0	-35.35	N/A	4.50	Axle Load	-27.75	Axle Load
85.16(L)	71.6	-38.08	N/A	4.50	Axle Load	-28.30	Axle Load
85.16(R)	71.6	-38.16	N/A	4.50	Axle Load	-28.30	Axle Load
85.23(B)	71.6	-38.27	N/A	4.50	Axle Load	-28.32	Axle Load
85.31(L)	71.7	-38.38	N/A	4.50	Axle Load	-28.34	Axle Load
85.31(R)	71.7	-38.46	N/A	4.50	Axle Load	-28.34	Axle Load
91.16(B)	76.6	-47.04	N/A	4.56	Axle Load	-30.33	Axle Load
95.20(B)	80.0	-52.97	N/A	4.56	Axle Load	-31.31	Axle Load
95.50(B)	80.3	-53.41	N/A	4.56	Axle Load	-31.38	Axle Load
97.01(L)	81.5	-55.63	N/A	4.56	Axle Load	-31.70	Axle Load
97.01(R)	81.5	-55.71	N/A	4.56	Axle Load	-31.70	Axle Load
97.08(B)	81.6	-55.82	N/A	4.56	Axle Load	-31.72	Axle Load
97.16(L)	81.6	-55.93	N/A	4.56	Axle Load	-31.73	Axle Load
97.16(R)	81.6	-56.01	N/A	4.56	Axle Load	-31.73	Axle Load
103.01(B)	86.6	-64.59	N/A	4.62	Axle Load	-33.25	Axle Load
104.00(B)	87.4	-66.04	N/A	4.62	Axle Load	-33.41	Axle Load
107.10(B)	90.0	-70.82	N/A	4.62	Axle Load	-33.86	Axle Load
108.86(L)	91.5	-73.53	N/A	4.62	Axle Load	-34.07	Axle Load
108.86(R)	91.5	-73.61	N/A	4.62	Axle Load	-34.07	Axle Load
108.93(B)	91.5	-73.73	N/A	4.62	Axle Load	-34.07	Axle Load
109.01(L)	91.6	-73.84	N/A	4.62	Axle Load	-34.08	Axle Load
109.01(R)	91.6	-73.92	N/A	4.62	Axle Load	-34.08	Axle Load
114.00(B)	95.8	-81.62	N/A	4.67	Axle Load	-35.00	Axle Load
119.00(L)	100.0	-89.32	N/A	4.67	Axle Load	-35.25	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	89.42	N/A	35.25	Axle Load	-4.67	Axle Load
0.93(B)	0.8	87.99	N/A	33.02	Axle Load	-4.38	Axle Load
1.86(L)	1.6	86.56	N/A	32.99	Axle Load	-4.38	Axle Load
1.86(R)	1.6	86.48	N/A	32.99	Axle Load	-4.38	Axle Load
2.03(B)	1.7	86.21	N/A	32.98	Axle Load	-4.38	Axle Load
2.21(L)	1.9	85.94	N/A	32.97	Axle Load	-4.38	Axle Load
2.21(R)	1.9	85.86	N/A	32.97	Axle Load	-4.38	Axle Load
8.13(B)	6.8	76.73	N/A	32.55	Axle Load	-4.38	Axle Load
11.90(B)	10.0	70.92	N/A	32.14	Axle Load	-4.38	Axle Load
14.06(L)	11.8	67.60	N/A	31.86	Axle Load	-4.38	Axle Load
14.06(R)	11.8	67.52	N/A	31.86	Axle Load	-4.38	Axle Load
14.13(B)	11.9	67.40	N/A	31.85	Axle Load	-4.38	Axle Load
14.21(L)	11.9	67.29	N/A	31.84	Axle Load	-4.38	Axle Load
14.21(R)	11.9	67.21	N/A	31.84	Axle Load	-4.38	Axle Load
15.00(B)	12.6	65.99	N/A	31.72	Axle Load	-4.38	Axle Load
20.06(B)	16.9	58.56	N/A	30.86	Axle Load	-4.38	Axle Load
23.50(B)	19.7	53.52	N/A	30.17	Axle Load	-4.38	Axle Load
23.80(B)	20.0	53.08	N/A	30.10	Axle Load	-4.38	Axle Load
25.91(L)	21.8	49.98	N/A	29.63	Axle Load	-4.38	Axle Load
25.91(R)	21.8	49.90	N/A	29.63	Axle Load	-4.38	Axle Load
25.98(B)	21.8	49.79	N/A	29.61	Axle Load	-4.38	Axle Load
26.06(L)	21.9	49.68	N/A	29.59	Axle Load	-4.38	Axle Load
26.06(R)	21.9	49.60	N/A	29.59	Axle Load	-4.38	Axle Load
31.91(B)	26.8	41.02	N/A	28.10	Axle Load	-4.38	Axle Load
35.70(B)	30.0	35.46	N/A	27.03	Axle Load	-4.38	Axle Load
37.76(L)	31.7	32.44	N/A	26.41	Axle Load	-4.88	Axle Load
37.76(R)	31.7	32.36	N/A	26.41	Axle Load	-4.88	Axle Load
37.83(B)	31.8	32.25	N/A	26.39	Axle Load	-4.90	Axle Load
37.91(L)	31.9	32.14	N/A	26.37	Axle Load	-4.92	Axle Load
37.91(R)	31.9	32.06	N/A	26.37	Axle Load	-4.92	Axle Load
43.76(B)	36.8	23.47	N/A	24.49	Axle Load	-6.59	Axle Load
47.60(B)	40.0	17.84	N/A	23.19	Axle Load	-7.78	Axle Load
49.61(L)	41.7	14.89	N/A	22.49	Axle Load	-8.44	Axle Load
49.61(R)	41.7	14.81	N/A	22.49	Axle Load	-8.44	Axle Load
49.68(B)	41.8	14.70	N/A	22.46	Axle Load	-8.46	Axle Load
49.76(L)	41.8	14.59	N/A	22.43	Axle Load	-8.49	Axle Load
49.76(R)	41.8	14.51	N/A	22.43	Axle Load	-8.49	Axle Load
55.61(B)	46.7	5.93	N/A	20.31	Axle Load	-10.48	Axle Load

59.50(B)	50.0	0.22	N/A	18.92	Axle Load	-11.91	Axle Load
61.46(L)	51.6	-2.65	N/A	18.18	Axle Load	-12.63	Axle Load
61.46(R)	51.6	-2.73	N/A	18.18	Axle Load	-12.63	Axle Load
61.53(B)	51.7	-2.84	N/A	18.15	Axle Load	-12.66	Axle Load
61.61(L)	51.8	-2.95	N/A	18.12	Axle Load	-12.69	Axle Load
61.61(R)	51.8	-3.03	N/A	18.12	Axle Load	-12.69	Axle Load
67.46(B)	56.7	-11.62	N/A	16.04	Axle Load	-15.03	Axle Load
71.40(B)	60.0	-17.40	N/A	14.51	Axle Load	-16.54	Axle Load
73.31(L)	61.6	-20.20	N/A	13.77	Axle Load	-17.28	Axle Load
73.31(R)	61.6	-20.28	N/A	13.77	Axle Load	-17.28	Axle Load
73.38(B)	61.7	-20.39	N/A	13.74	Axle Load	-17.31	Axle Load
73.46(L)	61.7	-20.50	N/A	13.71	Axle Load	-17.34	Axle Load
73.46(R)	61.7	-20.58	N/A	13.71	Axle Load	-17.34	Axle Load
79.31(B)	66.6	-29.16	N/A	11.63	Axle Load	-19.87	Axle Load
83.30(B)	70.0	-35.01	N/A	10.11	Axle Load	-21.43	Axle Load
85.16(L)	71.6	-37.74	N/A	9.41	Axle Load	-22.14	Axle Load
85.16(R)	71.6	-37.82	N/A	9.41	Axle Load	-22.14	Axle Load
85.23(B)	71.6	-37.93	N/A	9.39	Axle Load	-22.17	Axle Load
85.31(L)	71.7	-38.04	N/A	9.36	Axle Load	-22.20	Axle Load
85.31(R)	71.7	-38.12	N/A	9.36	Axle Load	-22.20	Axle Load
91.16(B)	76.6	-46.70	N/A	7.35	Axle Load	-24.74	Axle Load
95.20(B)	80.0	-52.63	N/A	5.95	Axle Load	-26.24	Axle Load
95.50(B)	80.3	-53.07	N/A	5.84	Axle Load	-26.34	Axle Load
97.01(L)	81.5	-55.29	N/A	5.34	Axle Load	-26.89	Axle Load
97.01(R)	81.5	-55.37	N/A	5.34	Axle Load	-26.89	Axle Load
97.08(B)	81.6	-55.48	N/A	5.32	Axle Load	-26.91	Axle Load
97.16(L)	81.6	-55.59	N/A	5.29	Axle Load	-26.94	Axle Load
97.16(R)	81.6	-55.67	N/A	5.29	Axle Load	-26.94	Axle Load
103.01(B)	86.6	-64.25	N/A	3.49	Axle Load	-29.33	Axle Load
106.00(B)	89.1	-68.64	N/A	2.61	Axle Load	-30.32	Axle Load
107.10(B)	90.0	-70.33	N/A	2.30	Axle Load	-30.67	Axle Load
108.86(L)	91.5	-73.04	N/A	1.80	Axle Load	-31.21	Axle Load
108.86(R)	91.5	-73.12	N/A	1.80	Axle Load	-31.21	Axle Load
108.93(B)	91.5	-73.24	N/A	1.78	Axle Load	-31.24	Axle Load
109.01(L)	91.6	-73.35	N/A	1.76	Axle Load	-31.26	Axle Load
109.01(R)	91.6	-73.43	N/A	1.76	Axle Load	-31.26	Axle Load
114.00(B)	95.8	-81.13	N/A	0.48	Axle Load	-33.15	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-34.51	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load

0.00(R)	0.0	90.65	N/A	34.73	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	32.39	Axle Load	0.00	Axle Load
1.86(L)	2.0	87.79	N/A	32.22	Axle Load	0.00	Axle Load
1.86(R)	2.0	87.71	N/A	32.22	Axle Load	0.00	Axle Load
2.03(B)	2.1	87.44	N/A	32.19	Axle Load	0.00	Axle Load
2.21(L)	2.3	87.17	N/A	32.15	Axle Load	0.00	Axle Load
2.21(R)	2.3	87.09	N/A	32.15	Axle Load	0.00	Axle Load
8.58(B)	9.0	77.26	N/A	30.84	Axle Load	-0.99	Axle Load
9.52(B)	10.0	75.81	N/A	30.63	Axle Load	-1.17	Axle Load
13.00(B)	13.6	70.46	N/A	29.82	Axle Load	-1.87	Axle Load
14.96(L)	15.7	67.58	N/A	29.34	Axle Load	-2.29	Axle Load
14.96(R)	15.7	67.50	N/A	29.34	Axle Load	-2.29	Axle Load
15.25(B)	16.0	67.08	N/A	29.27	Axle Load	-2.36	Axle Load
15.54(L)	16.3	66.65	N/A	29.19	Axle Load	-2.42	Axle Load
15.54(R)	16.3	66.57	N/A	29.19	Axle Load	-2.42	Axle Load
19.05(B)	20.0	61.42	N/A	28.28	Axle Load	-3.22	Axle Load
21.62(B)	22.7	57.65	N/A	27.56	Axle Load	-3.85	Axle Load
23.50(B)	24.7	54.89	N/A	27.02	Axle Load	-4.33	Axle Load
27.71(L)	29.1	48.72	N/A	25.76	Axle Load	-5.47	Axle Load
27.71(R)	29.1	48.64	N/A	25.76	Axle Load	-5.47	Axle Load
28.00(B)	29.4	48.21	N/A	25.67	Axle Load	-5.55	Axle Load
28.29(L)	29.7	47.79	N/A	25.58	Axle Load	-5.63	Axle Load
28.29(R)	29.7	47.71	N/A	25.58	Axle Load	-5.63	Axle Load
28.58(B)	30.0	47.29	N/A	25.49	Axle Load	-5.71	Axle Load
34.37(B)	36.1	38.78	N/A	23.60	Axle Load	-7.44	Axle Load
38.10(B)	40.0	33.32	N/A	22.32	Axle Load	-8.62	Axle Load
40.46(L)	42.5	29.85	N/A	21.48	Axle Load	-9.40	Axle Load
40.46(R)	42.5	29.77	N/A	21.48	Axle Load	-9.40	Axle Load
40.75(B)	42.8	29.35	N/A	21.37	Axle Load	-9.50	Axle Load
41.04(L)	43.1	28.92	N/A	21.27	Axle Load	-9.60	Axle Load
41.04(R)	43.1	28.84	N/A	21.27	Axle Load	-9.60	Axle Load
47.12(B)	49.5	19.92	N/A	19.02	Axle Load	-11.71	Axle Load
47.63(B)	50.0	19.18	N/A	18.89	Axle Load	-11.93	Axle Load
53.21(L)	55.9	10.99	N/A	16.86	Axle Load	-14.14	Axle Load
53.21(R)	55.9	10.91	N/A	16.86	Axle Load	-14.14	Axle Load
53.50(B)	56.2	10.48	N/A	16.74	Axle Load	-14.25	Axle Load
53.79(L)	56.5	10.06	N/A	16.62	Axle Load	-14.36	Axle Load
53.79(R)	56.5	9.98	N/A	16.62	Axle Load	-14.36	Axle Load
57.15(B)	60.0	5.05	N/A	15.25	Axle Load	-15.66	Axle Load
59.87(B)	62.9	1.05	N/A	14.12	Axle Load	-16.75	Axle Load
65.96(L)	69.2	-7.88	N/A	11.69	Axle Load	-19.48	Axle Load
65.96(R)	69.2	-7.96	N/A	11.69	Axle Load	-19.48	Axle Load
66.25(B)	69.6	-8.38	N/A	11.56	Axle Load	-19.60	Axle Load

66.54(L)	69.9	-8.81	N/A	11.43	Axle Load	-19.72	Axle Load
66.54(R)	69.9	-8.89	N/A	11.43	Axle Load	-19.72	Axle Load
66.68(B)	70.0	-9.09	N/A	11.38	Axle Load	-19.78	Axle Load
72.62(B)	76.2	-17.81	N/A	8.86	Axle Load	-22.61	Axle Load
76.20(B)	80.0	-23.06	N/A	7.24	Axle Load	-24.19	Axle Load
78.71(L)	82.6	-26.74	N/A	6.09	Axle Load	-25.32	Axle Load
78.71(R)	82.6	-26.82	N/A	6.09	Axle Load	-25.32	Axle Load
79.00(B)	82.9	-27.25	N/A	5.96	Axle Load	-25.45	Axle Load
79.29(L)	83.2	-27.67	N/A	5.83	Axle Load	-25.58	Axle Load
79.29(R)	83.2	-27.75	N/A	5.83	Axle Load	-25.58	Axle Load
85.37(B)	89.6	-36.68	N/A	3.22	Axle Load	-28.68	Axle Load
85.72(B)	90.0	-37.19	N/A	3.22	Axle Load	-28.84	Axle Load
91.46(L)	96.0	-45.61	N/A	3.26	Axle Load	-31.89	Axle Load
91.46(R)	96.0	-45.69	N/A	3.26	Axle Load	-31.89	Axle Load
91.75(B)	96.3	-46.11	N/A	3.26	Axle Load	-32.02	Axle Load
92.04(L)	96.6	-46.54	N/A	3.26	Axle Load	-32.16	Axle Load
92.04(R)	96.6	-46.62	N/A	3.26	Axle Load	-32.16	Axle Load
93.64(B)	98.3	-48.97	N/A	3.26	Axle Load	-32.92	Axle Load
95.25(L)	100.0	-51.33	N/A	3.26	Axle Load	-33.68	Axle Load

Note:

"N/A" indicates not applicable

*** indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: OH-3F1
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	47.39	Axle Load	-4.68	Axle Load
2	179.47	N/A	54.06	Axle Load	0.00	Axle Load
3	178.74	N/A	54.05	Axle Load	-7.13	Axle Load
4	179.48	N/A	54.27	Axle Load	0.00	Axle Load
5	51.33	N/A	50.34	Axle Load	-4.97	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary

Live Load: OH-3F1**Impact = ** %****Span 1**

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	110.01	Axle Load	-11.41	Axle Load
6.64(L)	7.0	308.14	N/A	209.02	Axle Load	-22.81	Axle Load
6.64(R)	7.0	308.14	N/A	209.02	Axle Load	-22.81	Axle Load
9.52(B)	10.0	421.44	N/A	286.24	Axle Load	-32.73	Axle Load
13.11(B)	13.8	545.33	N/A	370.91	Axle Load	-45.06	Axle Load
19.05(B)	20.0	708.73	N/A	483.90	Axle Load	-65.45	Axle Load
19.59(L)	20.6	721.01	N/A	492.53	Axle Load	-67.30	Axle Load
19.59(R)	20.6	721.01	N/A	492.53	Axle Load	-67.30	Axle Load
26.06(B)	27.4	834.15	N/A	575.42	Axle Load	-89.55	Axle Load
28.58(B)	30.0	861.47	N/A	597.62	Axle Load	-98.18	Axle Load
32.54(L)	34.2	885.78	N/A	625.82	Axle Load	-111.80	Axle Load
32.54(R)	34.2	885.78	N/A	625.82	Axle Load	-111.80	Axle Load
38.10(B)	40.0	880.13	N/A	646.22	Axle Load	-130.90	Axle Load
39.01(B)	41.0	874.86	N/A	647.29	Axle Load	-134.05	Axle Load
45.49(L)	47.8	802.44	N/A	637.91	Axle Load	-156.29	Axle Load
45.49(R)	47.8	802.44	N/A	637.91	Axle Load	-156.29	Axle Load
47.63(B)	50.0	764.72	N/A	628.96	Axle Load	-163.63	Axle Load
51.96(B)	54.6	667.47	N/A	602.06	Axle Load	-178.54	Axle Load
57.15(B)	60.0	515.02	N/A	554.57	Axle Load	-196.36	Axle Load
58.44(L)	61.4	470.99	N/A	540.48	Axle Load	-200.79	Axle Load
58.44(R)	61.4	470.99	N/A	540.48	Axle Load	-200.79	Axle Load
64.91(B)	68.2	211.97	N/A	457.39	Axle Load	-223.03	Axle Load
66.68(B)	70.0	130.91	N/A	431.43	Axle Load	-229.08	Axle Load
71.39(L)	74.9	-108.56	N/A	347.10	Axle Load	-237.83	Axle Load
71.39(R)	74.9	-108.56	N/A	347.10	Axle Load	-237.83	Axle Load
71.75(B)	75.3	-128.27	N/A	341.29	Axle Load	-239.03	Axle Load
76.20(B)	80.0	-387.28	N/A	268.01	Axle Load	-253.85	Axle Load
77.86(B)	81.7	-491.63	N/A	239.70	Axle Load	-259.40	Axle Load
82.25(B)	86.4	-786.02	N/A	163.58	Axle Load	-274.01	Axle Load
84.34(L)	88.5	-936.37	N/A	127.01	Axle Load	-280.97	Axle Load
84.34(R)	88.5	-936.37	N/A	127.01	Axle Load	-280.97	Axle Load
85.72(B)	90.0	-1040.00	N/A	101.92	Axle Load	-285.58	Axle Load
89.79(B)	94.3	-1361.49	N/A	29.87	Axle Load	-299.14	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-368.41	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-368.41	Axle Load
1.02(B)	0.9	-1742.59	N/A	0.00	Axle Load	-363.57	Axle Load
2.04(L)	1.7	-1654.31	N/A	0.00	Axle Load	-358.72	Axle Load
2.04(R)	1.7	-1654.31	N/A	0.00	Axle Load	-358.72	Axle Load
2.12(B)	1.8	-1647.03	N/A	0.00	Axle Load	-358.31	Axle Load
2.21(L)	1.9	-1639.76	N/A	0.00	Axle Load	-357.91	Axle Load
2.21(R)	1.9	-1639.76	N/A	0.00	Axle Load	-357.91	Axle Load
8.13(B)	6.8	-1160.99	N/A	88.30	Axle Load	-329.74	Axle Load
11.90(B)	10.0	-884.84	N/A	155.01	Axle Load	-311.84	Axle Load
13.00(B)	10.9	-808.29	N/A	174.09	Axle Load	-306.61	Axle Load
14.06(L)	11.8	-736.29	N/A	192.20	Axle Load	-301.58	Axle Load
14.06(R)	11.8	-736.29	N/A	192.20	Axle Load	-301.58	Axle Load
14.13(B)	11.9	-731.26	N/A	193.48	Axle Load	-301.22	Axle Load
14.21(L)	11.9	-726.24	N/A	194.75	Axle Load	-300.86	Axle Load
14.21(R)	11.9	-726.24	N/A	194.75	Axle Load	-300.86	Axle Load
20.06(B)	16.9	-360.52	N/A	289.46	Axle Load	-273.05	Axle Load
23.50(B)	19.7	-168.88	N/A	339.14	Axle Load	-256.70	Axle Load
23.80(B)	20.0	-152.99	N/A	343.21	Axle Load	-255.27	Axle Load
25.91(L)	21.8	-45.01	N/A	361.38	Axle Load	-238.59	Axle Load
25.91(R)	21.8	-45.01	N/A	361.38	Axle Load	-238.59	Axle Load
25.98(B)	21.8	-41.30	N/A	362.33	Axle Load	-238.25	Axle Load
26.06(L)	21.9	-37.59	N/A	363.27	Axle Load	-237.90	Axle Load
26.06(R)	21.9	-37.59	N/A	363.27	Axle Load	-237.90	Axle Load
31.91(B)	26.8	225.48	N/A	429.55	Axle Load	-210.85	Axle Load
35.70(B)	30.0	369.14	N/A	462.91	Axle Load	-193.31	Axle Load
37.76(L)	31.7	438.35	N/A	478.19	Axle Load	-183.79	Axle Load
37.76(R)	31.7	438.35	N/A	478.19	Axle Load	-183.79	Axle Load
37.83(B)	31.8	440.75	N/A	478.70	Axle Load	-183.44	Axle Load
37.91(L)	31.9	443.14	N/A	479.22	Axle Load	-183.10	Axle Load
37.91(R)	31.9	443.14	N/A	479.22	Axle Load	-183.10	Axle Load
43.76(B)	36.8	603.58	N/A	509.92	Axle Load	-156.04	Axle Load
47.60(B)	40.0	681.61	N/A	519.03	Axle Load	-138.28	Axle Load
49.61(L)	41.7	713.81	N/A	520.73	Axle Load	-128.99	Axle Load
49.61(R)	41.7	713.81	N/A	520.73	Axle Load	-128.99	Axle Load
49.68(B)	41.8	714.90	N/A	520.75	Axle Load	-128.64	Axle Load
49.76(L)	41.8	715.97	N/A	520.77	Axle Load	-128.29	Axle Load
49.76(R)	41.8	715.97	N/A	520.77	Axle Load	-128.29	Axle Load
55.61(B)	46.7	773.77	N/A	513.89	Axle Load	-101.24	Axle Load

59.50(B)	50.0	784.42	N/A	499.59	Axle Load	-83.24	Axle Load
61.46(L)	51.6	781.37	N/A	489.53	Axle Load	-74.18	Axle Load
61.46(R)	51.6	781.37	N/A	489.53	Axle Load	-74.18	Axle Load
61.53(B)	51.7	781.13	N/A	489.10	Axle Load	-73.83	Axle Load
61.61(L)	51.8	780.89	N/A	488.66	Axle Load	-73.49	Axle Load
61.61(R)	51.8	780.89	N/A	488.66	Axle Load	-73.49	Axle Load
67.46(B)	56.7	736.06	N/A	445.84	Axle Load	-46.43	Axle Load
71.40(B)	60.0	677.56	N/A	409.30	Axle Load	-28.21	Axle Load
73.31(L)	61.6	641.02	N/A	389.61	Axle Load	-19.38	Axle Load
73.31(R)	61.6	641.02	N/A	389.61	Axle Load	-19.38	Axle Load
73.38(B)	61.7	639.47	N/A	388.79	Axle Load	-19.03	Axle Load
73.46(L)	61.7	637.91	N/A	387.97	Axle Load	-18.68	Axle Load
73.46(R)	61.7	637.91	N/A	387.97	Axle Load	-18.68	Axle Load
79.31(B)	66.6	490.44	N/A	318.64	Axle Load	-4.32	Axle Load
83.30(B)	70.0	361.03	N/A	267.78	Axle Load	-31.47	Axle Load
85.16(L)	71.6	292.76	N/A	243.50	Axle Load	-50.29	Axle Load
85.16(R)	71.6	292.76	N/A	243.50	Axle Load	-50.29	Axle Load
85.23(B)	71.6	289.89	N/A	242.49	Axle Load	-51.10	Axle Load
85.31(L)	71.7	287.02	N/A	241.48	Axle Load	-51.90	Axle Load
85.31(R)	71.7	287.02	N/A	241.48	Axle Load	-51.90	Axle Load
91.16(B)	76.6	36.91	N/A	166.03	Axle Load	-131.49	Axle Load
95.20(B)	80.0	-165.15	N/A	116.99	Axle Load	-200.40	Axle Load
95.50(B)	80.3	-181.11	N/A	114.18	Axle Load	-206.00	Axle Load
97.01(L)	81.5	-263.41	N/A	99.94	Axle Load	-235.12	Axle Load
97.01(R)	81.5	-263.41	N/A	99.94	Axle Load	-235.12	Axle Load
97.08(B)	81.6	-267.59	N/A	99.23	Axle Load	-236.57	Axle Load
97.16(L)	81.6	-271.78	N/A	98.52	Axle Load	-238.02	Axle Load
97.16(R)	81.6	-271.78	N/A	98.52	Axle Load	-238.02	Axle Load
103.01(B)	86.6	-624.52	N/A	117.98	Axle Load	-358.89	Axle Load
104.00(B)	87.4	-689.23	N/A	122.57	Axle Load	-380.90	Axle Load
107.10(B)	90.0	-901.36	N/A	136.90	Axle Load	-452.26	Axle Load
108.86(L)	91.5	-1028.35	N/A	145.04	Axle Load	-494.43	Axle Load
108.86(R)	91.5	-1028.35	N/A	145.04	Axle Load	-494.43	Axle Load
108.93(B)	91.5	-1033.88	N/A	145.39	Axle Load	-496.23	Axle Load
109.01(L)	91.6	-1039.41	N/A	145.73	Axle Load	-498.03	Axle Load
109.01(R)	91.6	-1039.41	N/A	145.73	Axle Load	-498.03	Axle Load
114.00(B)	95.8	-1427.90	N/A	168.84	Axle Load	-621.22	Axle Load
119.00(L)	100.0	-1854.85	N/A	191.94	Axle Load	-750.90	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load

0.00(R)	0.0	-1854.80	N/A	192.09	Axle Load	-750.61	Axle Load
0.93(B)	0.8	-1772.33	N/A	187.79	Axle Load	-726.15	Axle Load
1.86(L)	1.6	-1691.19	N/A	183.49	Axle Load	-701.78	Axle Load
1.86(R)	1.6	-1691.19	N/A	183.49	Axle Load	-701.78	Axle Load
2.03(B)	1.7	-1676.08	N/A	182.68	Axle Load	-697.20	Axle Load
2.21(L)	1.9	-1661.02	N/A	181.87	Axle Load	-692.61	Axle Load
2.21(R)	1.9	-1661.02	N/A	181.87	Axle Load	-692.61	Axle Load
8.13(B)	6.8	-1179.36	N/A	154.44	Axle Load	-543.05	Axle Load
11.90(B)	10.0	-901.36	N/A	137.01	Axle Load	-452.04	Axle Load
14.06(L)	11.8	-751.80	N/A	127.02	Axle Load	-402.07	Axle Load
14.06(R)	11.8	-751.80	N/A	127.02	Axle Load	-402.07	Axle Load
14.13(B)	11.9	-746.74	N/A	126.67	Axle Load	-400.37	Axle Load
14.21(L)	11.9	-741.69	N/A	126.32	Axle Load	-398.67	Axle Load
14.21(R)	11.9	-741.69	N/A	126.32	Axle Load	-398.67	Axle Load
15.00(B)	12.6	-689.04	N/A	122.66	Axle Load	-380.75	Axle Load
20.06(B)	16.9	-373.96	N/A	99.25	Axle Load	-273.18	Axle Load
23.50(B)	19.7	-181.15	N/A	113.53	Axle Load	-206.10	Axle Load
23.80(B)	20.0	-165.16	N/A	116.35	Axle Load	-200.51	Axle Load
25.91(L)	21.8	-56.46	N/A	141.86	Axle Load	-163.03	Axle Load
25.91(R)	21.8	-56.46	N/A	141.86	Axle Load	-163.03	Axle Load
25.98(B)	21.8	-52.72	N/A	142.78	Axle Load	-161.75	Axle Load
26.06(L)	21.9	-48.99	N/A	143.70	Axle Load	-160.48	Axle Load
26.06(R)	21.9	-48.99	N/A	143.70	Axle Load	-160.48	Axle Load
31.91(B)	26.8	216.08	N/A	217.59	Axle Load	-73.01	Axle Load
35.70(B)	30.0	361.02	N/A	267.37	Axle Load	-31.35	Axle Load
37.76(L)	31.7	430.94	N/A	294.26	Axle Load	-15.18	Axle Load
37.76(R)	31.7	430.94	N/A	294.26	Axle Load	-15.18	Axle Load
37.83(B)	31.8	433.36	N/A	295.23	Axle Load	-14.67	Axle Load
37.91(L)	31.9	435.77	N/A	296.20	Axle Load	-14.16	Axle Load
37.91(R)	31.9	435.77	N/A	296.20	Axle Load	-14.16	Axle Load
43.76(B)	36.8	598.20	N/A	368.14	Axle Load	-10.45	Axle Load
47.60(B)	40.0	677.54	N/A	408.99	Axle Load	-28.23	Axle Load
49.61(L)	41.7	710.43	N/A	428.63	Axle Load	-37.53	Axle Load
49.61(R)	41.7	710.43	N/A	428.63	Axle Load	-37.53	Axle Load
49.68(B)	41.8	711.53	N/A	429.33	Axle Load	-37.88	Axle Load
49.76(L)	41.8	712.63	N/A	430.03	Axle Load	-38.22	Axle Load
49.76(R)	41.8	712.63	N/A	430.03	Axle Load	-38.22	Axle Load
55.61(B)	46.7	772.43	N/A	477.50	Axle Load	-65.30	Axle Load
59.50(B)	50.0	784.39	N/A	499.35	Axle Load	-83.31	Axle Load
61.46(L)	51.6	782.01	N/A	507.73	Axle Load	-92.38	Axle Load
61.46(R)	51.6	782.01	N/A	507.73	Axle Load	-92.38	Axle Load
61.53(B)	51.7	781.80	N/A	508.01	Axle Load	-92.73	Axle Load
61.61(L)	51.8	781.59	N/A	508.29	Axle Load	-93.07	Axle Load

61.61(R)	51.8	781.59	N/A	508.29	Axle Load	-93.07	Axle Load
67.46(B)	56.7	738.74	N/A	520.82	Axle Load	-120.15	Axle Load
71.40(B)	60.0	681.58	N/A	519.22	Axle Load	-138.39	Axle Load
73.31(L)	61.6	645.69	N/A	515.75	Axle Load	-147.23	Axle Load
73.31(R)	61.6	645.69	N/A	515.75	Axle Load	-147.23	Axle Load
73.38(B)	61.7	644.17	N/A	515.56	Axle Load	-147.58	Axle Load
73.46(L)	61.7	642.63	N/A	515.37	Axle Load	-147.92	Axle Load
73.46(R)	61.7	642.63	N/A	515.37	Axle Load	-147.92	Axle Load
79.31(B)	66.6	497.15	N/A	490.37	Axle Load	-175.00	Axle Load
83.30(B)	70.0	369.10	N/A	463.13	Axle Load	-193.47	Axle Load
85.16(L)	71.6	301.46	N/A	447.69	Axle Load	-202.08	Axle Load
85.16(R)	71.6	301.46	N/A	447.69	Axle Load	-202.08	Axle Load
85.23(B)	71.6	298.62	N/A	447.02	Axle Load	-202.42	Axle Load
85.31(L)	71.7	295.77	N/A	446.34	Axle Load	-202.77	Axle Load
85.31(R)	71.7	295.77	N/A	446.34	Axle Load	-202.77	Axle Load
91.16(B)	76.6	47.65	N/A	384.90	Axle Load	-229.85	Axle Load
95.20(B)	80.0	-153.04	N/A	343.50	Axle Load	-255.48	Axle Load
95.50(B)	80.3	-168.89	N/A	339.41	Axle Load	-256.91	Axle Load
97.01(L)	81.5	-250.67	N/A	318.14	Axle Load	-264.09	Axle Load
97.01(R)	81.5	-250.67	N/A	318.14	Axle Load	-264.09	Axle Load
97.08(B)	81.6	-254.83	N/A	317.05	Axle Load	-264.44	Axle Load
97.16(L)	81.6	-258.99	N/A	315.96	Axle Load	-264.80	Axle Load
97.16(R)	81.6	-258.99	N/A	315.96	Axle Load	-264.80	Axle Load
103.01(B)	86.6	-609.75	N/A	224.39	Axle Load	-292.63	Axle Load
106.00(B)	89.1	-808.45	N/A	174.15	Axle Load	-306.86	Axle Load
107.10(B)	90.0	-884.89	N/A	155.18	Axle Load	-312.09	Axle Load
108.86(L)	91.5	-1011.02	N/A	124.32	Axle Load	-320.47	Axle Load
108.86(R)	91.5	-1011.02	N/A	124.32	Axle Load	-320.47	Axle Load
108.93(B)	91.5	-1016.50	N/A	122.98	Axle Load	-320.82	Axle Load
109.01(L)	91.6	-1022.00	N/A	121.62	Axle Load	-321.18	Axle Load
109.01(R)	91.6	-1022.00	N/A	121.62	Axle Load	-321.18	Axle Load
114.00(B)	95.8	-1408.06	N/A	29.51	Axle Load	-344.94	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-368.71	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-368.71	Axle Load
0.93(B)	1.0	-1748.95	N/A	0.00	Axle Load	-346.09	Axle Load
1.86(L)	2.0	-1666.67	N/A	0.00	Axle Load	-323.74	Axle Load
1.86(R)	2.0	-1666.67	N/A	0.00	Axle Load	-323.74	Axle Load
2.03(B)	2.1	-1651.34	N/A	0.00	Axle Load	-319.60	Axle Load

2.21(L)	2.3	-1636.07	N/A	0.00	Axle Load	-315.45	Axle Load
2.21(R)	2.3	-1636.07	N/A	0.00	Axle Load	-315.45	Axle Load
8.58(B)	9.0	-1112.19	N/A	85.83	Axle Load	-288.70	Axle Load
9.52(B)	10.0	-1040.20	N/A	102.63	Axle Load	-285.56	Axle Load
13.00(B)	13.6	-786.05	N/A	163.39	Axle Load	-273.99	Axle Load
14.96(L)	15.7	-650.81	N/A	197.98	Axle Load	-267.46	Axle Load
14.96(R)	15.7	-650.81	N/A	197.98	Axle Load	-267.46	Axle Load
15.25(B)	16.0	-631.30	N/A	203.03	Axle Load	-266.49	Axle Load
15.54(L)	16.3	-611.91	N/A	208.06	Axle Load	-265.53	Axle Load
15.54(R)	16.3	-611.91	N/A	208.06	Axle Load	-265.53	Axle Load
19.05(B)	20.0	-387.24	N/A	267.71	Axle Load	-253.83	Axle Load
21.62(B)	22.7	-233.97	N/A	310.99	Axle Load	-245.26	Axle Load
23.50(B)	24.7	-128.43	N/A	340.98	Axle Load	-239.01	Axle Load
27.71(L)	29.1	89.65	N/A	418.46	Axle Load	-232.04	Axle Load
27.71(R)	29.1	89.65	N/A	418.46	Axle Load	-232.04	Axle Load
28.00(B)	29.4	103.69	N/A	422.86	Axle Load	-231.04	Axle Load
28.29(L)	29.7	117.61	N/A	427.20	Axle Load	-230.04	Axle Load
28.29(R)	29.7	117.61	N/A	427.20	Axle Load	-230.04	Axle Load
28.58(B)	30.0	131.18	N/A	431.42	Axle Load	-229.06	Axle Load
34.37(B)	36.1	380.76	N/A	511.56	Axle Load	-209.14	Axle Load
38.10(B)	40.0	515.06	N/A	554.19	Axle Load	-196.34	Axle Load
40.46(L)	42.5	589.58	N/A	577.96	Axle Load	-188.23	Axle Load
40.46(R)	42.5	589.58	N/A	577.96	Axle Load	-188.23	Axle Load
40.75(B)	42.8	598.15	N/A	580.63	Axle Load	-187.24	Axle Load
41.04(L)	43.1	606.60	N/A	583.23	Axle Load	-186.24	Axle Load
41.04(R)	43.1	606.60	N/A	583.23	Axle Load	-186.24	Axle Load
47.12(B)	49.5	754.95	N/A	626.65	Axle Load	-165.34	Axle Load
47.63(B)	50.0	764.73	N/A	629.19	Axle Load	-163.62	Axle Load
53.21(L)	55.9	848.97	N/A	646.02	Axle Load	-144.43	Axle Load
53.21(R)	55.9	848.97	N/A	646.02	Axle Load	-144.43	Axle Load
53.50(B)	56.2	852.08	N/A	646.45	Axle Load	-143.44	Axle Load
53.79(L)	56.5	855.05	N/A	646.82	Axle Load	-142.44	Axle Load
53.79(R)	56.5	855.05	N/A	646.82	Axle Load	-142.44	Axle Load
57.15(B)	60.0	880.30	N/A	646.17	Axle Load	-130.89	Axle Load
59.87(B)	62.9	888.61	N/A	639.45	Axle Load	-121.53	Axle Load
65.96(L)	69.2	867.84	N/A	603.01	Axle Load	-100.63	Axle Load
65.96(R)	69.2	867.84	N/A	603.01	Axle Load	-100.63	Axle Load
66.25(B)	69.6	865.47	N/A	600.89	Axle Load	-99.63	Axle Load
66.54(L)	69.9	862.98	N/A	598.70	Axle Load	-98.64	Axle Load
66.54(R)	69.9	862.98	N/A	598.70	Axle Load	-98.64	Axle Load
66.68(B)	70.0	861.76	N/A	597.65	Axle Load	-98.17	Axle Load
72.62(B)	76.2	781.74	N/A	536.08	Axle Load	-77.73	Axle Load
76.20(B)	80.0	708.66	N/A	483.89	Axle Load	-65.45	Axle Load

78.71(L)	82.6	646.17	N/A	440.18	Axle Load	-56.83	Axle Load
78.71(R)	82.6	646.17	N/A	440.18	Axle Load	-56.83	Axle Load
79.00(B)	82.9	638.33	N/A	434.74	Axle Load	-55.83	Axle Load
79.29(L)	83.2	630.37	N/A	429.23	Axle Load	-54.83	Axle Load
79.29(R)	83.2	630.37	N/A	429.23	Axle Load	-54.83	Axle Load
85.37(B)	89.6	434.33	N/A	295.06	Axle Load	-33.93	Axle Load
85.72(B)	90.0	421.39	N/A	286.24	Axle Load	-32.72	Axle Load
91.46(L)	96.0	183.98	N/A	124.72	Axle Load	-13.02	Axle Load
91.46(R)	96.0	183.98	N/A	124.72	Axle Load	-13.02	Axle Load
91.75(B)	96.3	170.67	N/A	115.68	Axle Load	-12.03	Axle Load
92.04(L)	96.6	157.23	N/A	106.56	Axle Load	-11.03	Axle Load
92.04(R)	96.6	157.23	N/A	106.56	Axle Load	-11.03	Axle Load
93.64(B)	98.3	80.51	N/A	54.57	Axle Load	-5.52	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: OH-3F1
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	47.39	Axle Load	-4.68	Axle Load
3.32(B)	3.5	46.41	N/A	45.13	Axle Load	-4.68	Axle Load
6.64(L)	7.0	41.54	N/A	42.87	Axle Load	-4.68	Axle Load
6.64(R)	7.0	41.38	N/A	42.87	Axle Load	-4.68	Axle Load
9.52(B)	10.0	37.15	N/A	40.92	Axle Load	-4.68	Axle Load
13.11(B)	13.8	31.88	N/A	38.52	Axle Load	-5.62	Axle Load
19.05(B)	20.0	23.17	N/A	34.59	Axle Load	-9.48	Axle Load
19.59(L)	20.6	22.38	N/A	34.24	Axle Load	-9.85	Axle Load
19.59(R)	20.6	22.22	N/A	34.24	Axle Load	-9.85	Axle Load
26.06(B)	27.4	12.72	N/A	30.07	Axle Load	-14.17	Axle Load
28.58(B)	30.0	9.04	N/A	28.48	Axle Load	-15.83	Axle Load

32.54(L)	34.2	3.22	N/A	26.02	Axle Load	-18.42	Axle Load
32.54(R)	34.2	3.06	N/A	26.02	Axle Load	-18.42	Axle Load
38.10(B)	40.0	-5.09	N/A	22.68	Axle Load	-21.96	Axle Load
39.01(B)	41.0	-6.44	N/A	22.15	Axle Load	-22.53	Axle Load
45.49(L)	47.8	-15.93	N/A	18.45	Axle Load	-26.51	Axle Load
45.49(R)	47.8	-16.09	N/A	18.45	Axle Load	-26.51	Axle Load
47.63(B)	50.0	-19.23	N/A	17.34	Axle Load	-27.87	Axle Load
51.96(B)	54.6	-25.59	N/A	15.02	Axle Load	-30.42	Axle Load
57.15(B)	60.0	-33.20	N/A	12.53	Axle Load	-33.63	Axle Load
58.44(L)	61.4	-35.09	N/A	11.90	Axle Load	-34.34	Axle Load
58.44(R)	61.4	-35.25	N/A	11.90	Axle Load	-34.34	Axle Load
64.91(B)	68.2	-44.75	N/A	9.00	Axle Load	-38.22	Axle Load
66.68(B)	70.0	-47.34	N/A	8.23	Axle Load	-39.12	Axle Load
71.39(L)	74.9	-54.25	N/A	6.26	Axle Load	-41.43	Axle Load
71.39(R)	74.9	-54.41	N/A	6.26	Axle Load	-41.43	Axle Load
71.75(B)	75.3	-54.94	N/A	6.19	Axle Load	-42.11	Axle Load
76.20(B)	80.0	-61.47	N/A	4.49	Axle Load	-44.15	Axle Load
77.86(B)	81.7	-63.91	N/A	3.89	Axle Load	-44.88	Axle Load
82.25(B)	86.4	-70.35	N/A	2.44	Axle Load	-47.26	Axle Load
84.34(L)	88.5	-73.57	N/A	1.79	Axle Load	-48.08	Axle Load
84.34(R)	88.5	-73.73	N/A	1.79	Axle Load	-48.08	Axle Load
85.72(B)	90.0	-75.86	N/A	1.37	Axle Load	-48.61	Axle Load
89.79(B)	94.3	-82.13	N/A	0.21	Axle Load	-50.08	Axle Load
95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-52.46	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	51.94	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	48.49	Axle Load	0.00	Axle Load
2.04(L)	1.7	85.79	N/A	48.08	Axle Load	0.00	Axle Load
2.04(R)	1.7	85.71	N/A	48.08	Axle Load	0.00	Axle Load
2.12(B)	1.8	85.58	N/A	48.05	Axle Load	0.00	Axle Load
2.21(L)	1.9	85.45	N/A	48.01	Axle Load	0.00	Axle Load
2.21(R)	1.9	85.37	N/A	48.01	Axle Load	0.00	Axle Load
8.13(B)	6.8	76.24	N/A	45.51	Axle Load	-1.21	Axle Load
11.90(B)	10.0	70.44	N/A	43.77	Axle Load	-2.65	Axle Load
13.00(B)	10.9	68.74	N/A	43.24	Axle Load	-3.09	Axle Load
14.06(L)	11.8	67.19	N/A	42.73	Axle Load	-3.52	Axle Load
14.06(R)	11.8	67.11	N/A	42.73	Axle Load	-3.52	Axle Load
14.13(B)	11.9	67.00	N/A	42.69	Axle Load	-3.55	Axle Load
14.21(L)	11.9	66.89	N/A	42.65	Axle Load	-3.58	Axle Load

14.21(R)	11.9	66.81	N/A	42.65	Axle Load	-3.58	Axle Load
20.06(B)	16.9	58.22	N/A	39.69	Axle Load	-6.16	Axle Load
23.50(B)	19.7	53.18	N/A	37.85	Axle Load	-7.77	Axle Load
23.80(B)	20.0	52.74	N/A	37.69	Axle Load	-7.92	Axle Load
25.91(L)	21.8	49.64	N/A	36.52	Axle Load	-8.95	Axle Load
25.91(R)	21.8	49.56	N/A	36.52	Axle Load	-8.95	Axle Load
25.98(B)	21.8	49.45	N/A	36.48	Axle Load	-8.99	Axle Load
26.06(L)	21.9	49.34	N/A	36.44	Axle Load	-9.03	Axle Load
26.06(R)	21.9	49.26	N/A	36.44	Axle Load	-9.03	Axle Load
31.91(B)	26.8	40.68	N/A	33.14	Axle Load	-12.07	Axle Load
35.70(B)	30.0	35.12	N/A	30.95	Axle Load	-14.12	Axle Load
37.76(L)	31.7	32.10	N/A	29.75	Axle Load	-15.26	Axle Load
37.76(R)	31.7	32.02	N/A	29.75	Axle Load	-15.26	Axle Load
37.83(B)	31.8	31.91	N/A	29.71	Axle Load	-15.31	Axle Load
37.91(L)	31.9	31.80	N/A	29.66	Axle Load	-15.35	Axle Load
37.91(R)	31.9	31.72	N/A	29.66	Axle Load	-15.35	Axle Load
43.76(B)	36.8	23.13	N/A	26.24	Axle Load	-18.69	Axle Load
47.60(B)	40.0	17.50	N/A	23.99	Axle Load	-20.91	Axle Load
49.61(L)	41.7	14.55	N/A	22.83	Axle Load	-22.09	Axle Load
49.61(R)	41.7	14.47	N/A	22.83	Axle Load	-22.09	Axle Load
49.68(B)	41.8	14.36	N/A	22.79	Axle Load	-22.13	Axle Load
49.76(L)	41.8	14.25	N/A	22.74	Axle Load	-22.17	Axle Load
49.76(R)	41.8	14.17	N/A	22.74	Axle Load	-22.17	Axle Load
55.61(B)	46.7	5.59	N/A	19.39	Axle Load	-25.60	Axle Load
59.50(B)	50.0	-0.12	N/A	17.29	Axle Load	-27.97	Axle Load
61.46(L)	51.6	-2.99	N/A	16.23	Axle Load	-29.10	Axle Load
61.46(R)	51.6	-3.07	N/A	16.23	Axle Load	-29.10	Axle Load
61.53(B)	51.7	-3.18	N/A	16.19	Axle Load	-29.14	Axle Load
61.61(L)	51.8	-3.29	N/A	16.15	Axle Load	-29.19	Axle Load
61.61(R)	51.8	-3.37	N/A	16.15	Axle Load	-29.19	Axle Load
67.46(B)	56.7	-11.96	N/A	13.20	Axle Load	-32.83	Axle Load
71.40(B)	60.0	-17.74	N/A	11.25	Axle Load	-35.03	Axle Load
73.31(L)	61.6	-20.54	N/A	10.35	Axle Load	-36.07	Axle Load
73.31(R)	61.6	-20.62	N/A	10.35	Axle Load	-36.07	Axle Load
73.38(B)	61.7	-20.73	N/A	10.31	Axle Load	-36.11	Axle Load
73.46(L)	61.7	-20.84	N/A	10.28	Axle Load	-36.15	Axle Load
73.46(R)	61.7	-20.92	N/A	10.28	Axle Load	-36.15	Axle Load
79.31(B)	66.6	-29.50	N/A	7.77	Axle Load	-39.69	Axle Load
83.30(B)	70.0	-35.35	N/A	6.85	Axle Load	-41.67	Axle Load
85.16(L)	71.6	-38.08	N/A	6.85	Axle Load	-42.54	Axle Load
85.16(R)	71.6	-38.16	N/A	6.85	Axle Load	-42.54	Axle Load
85.23(B)	71.6	-38.27	N/A	6.85	Axle Load	-42.57	Axle Load
85.31(L)	71.7	-38.38	N/A	6.85	Axle Load	-42.61	Axle Load

85.31(R)	71.7	-38.46	N/A	6.85	Axle Load	-42.61	Axle Load
91.16(B)	76.6	-47.04	N/A	6.94	Axle Load	-45.72	Axle Load
95.20(B)	80.0	-52.97	N/A	6.94	Axle Load	-47.31	Axle Load
95.50(B)	80.3	-53.41	N/A	6.94	Axle Load	-47.42	Axle Load
97.01(L)	81.5	-55.63	N/A	6.94	Axle Load	-47.95	Axle Load
97.01(R)	81.5	-55.71	N/A	6.94	Axle Load	-47.95	Axle Load
97.08(B)	81.6	-55.82	N/A	6.94	Axle Load	-47.98	Axle Load
97.16(L)	81.6	-55.93	N/A	6.94	Axle Load	-48.01	Axle Load
97.16(R)	81.6	-56.01	N/A	6.94	Axle Load	-48.01	Axle Load
103.01(B)	86.6	-64.59	N/A	7.03	Axle Load	-50.43	Axle Load
104.00(B)	87.4	-66.04	N/A	7.03	Axle Load	-50.70	Axle Load
107.10(B)	90.0	-70.82	N/A	7.03	Axle Load	-51.47	Axle Load
108.86(L)	91.5	-73.53	N/A	7.03	Axle Load	-51.85	Axle Load
108.86(R)	91.5	-73.61	N/A	7.03	Axle Load	-51.85	Axle Load
108.93(B)	91.5	-73.73	N/A	7.03	Axle Load	-51.86	Axle Load
109.01(L)	91.6	-73.84	N/A	7.03	Axle Load	-51.88	Axle Load
109.01(R)	91.6	-73.92	N/A	7.03	Axle Load	-51.88	Axle Load
114.00(B)	95.8	-81.62	N/A	7.12	Axle Load	-53.36	Axle Load
119.00(L)	100.0	-89.32	N/A	7.12	Axle Load	-53.88	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	89.42	N/A	53.88	Axle Load	-7.13	Axle Load
0.93(B)	0.8	87.99	N/A	50.45	Axle Load	-6.68	Axle Load
1.86(L)	1.6	86.56	N/A	50.37	Axle Load	-6.68	Axle Load
1.86(R)	1.6	86.48	N/A	50.37	Axle Load	-6.68	Axle Load
2.03(B)	1.7	86.21	N/A	50.35	Axle Load	-6.68	Axle Load
2.21(L)	1.9	85.94	N/A	50.34	Axle Load	-6.68	Axle Load
2.21(R)	1.9	85.86	N/A	50.34	Axle Load	-6.68	Axle Load
8.13(B)	6.8	76.73	N/A	49.58	Axle Load	-6.68	Axle Load
11.90(B)	10.0	70.92	N/A	48.87	Axle Load	-6.68	Axle Load
14.06(L)	11.8	67.60	N/A	48.37	Axle Load	-6.68	Axle Load
14.06(R)	11.8	67.52	N/A	48.37	Axle Load	-6.68	Axle Load
14.13(B)	11.9	67.40	N/A	48.35	Axle Load	-6.68	Axle Load
14.21(L)	11.9	67.29	N/A	48.33	Axle Load	-6.68	Axle Load
14.21(R)	11.9	67.21	N/A	48.33	Axle Load	-6.68	Axle Load
15.00(B)	12.6	65.99	N/A	48.14	Axle Load	-6.68	Axle Load
20.06(B)	16.9	58.56	N/A	46.74	Axle Load	-6.68	Axle Load
23.50(B)	19.7	53.52	N/A	45.59	Axle Load	-6.68	Axle Load
23.80(B)	20.0	53.08	N/A	45.49	Axle Load	-6.68	Axle Load
25.91(L)	21.8	49.98	N/A	44.71	Axle Load	-6.68	Axle Load

25.91(R)	21.8	49.90	N/A	44.71	Axle Load	-6.68	Axle Load
25.98(B)	21.8	49.79	N/A	44.68	Axle Load	-6.68	Axle Load
26.06(L)	21.9	49.68	N/A	44.65	Axle Load	-6.68	Axle Load
26.06(R)	21.9	49.60	N/A	44.65	Axle Load	-6.68	Axle Load
31.91(B)	26.8	41.02	N/A	42.29	Axle Load	-6.68	Axle Load
35.70(B)	30.0	35.46	N/A	40.58	Axle Load	-6.68	Axle Load
37.76(L)	31.7	32.44	N/A	39.60	Axle Load	-6.80	Axle Load
37.76(R)	31.7	32.36	N/A	39.60	Axle Load	-6.80	Axle Load
37.83(B)	31.8	32.25	N/A	39.57	Axle Load	-6.83	Axle Load
37.91(L)	31.9	32.14	N/A	39.53	Axle Load	-6.86	Axle Load
37.91(R)	31.9	32.06	N/A	39.53	Axle Load	-6.86	Axle Load
43.76(B)	36.8	23.47	N/A	36.61	Axle Load	-9.33	Axle Load
47.60(B)	40.0	17.84	N/A	34.57	Axle Load	-11.09	Axle Load
49.61(L)	41.7	14.89	N/A	33.47	Axle Load	-12.07	Axle Load
49.61(R)	41.7	14.81	N/A	33.47	Axle Load	-12.07	Axle Load
49.68(B)	41.8	14.70	N/A	33.43	Axle Load	-12.10	Axle Load
49.76(L)	41.8	14.59	N/A	33.39	Axle Load	-12.14	Axle Load
49.76(R)	41.8	14.51	N/A	33.39	Axle Load	-12.14	Axle Load
55.61(B)	46.7	5.93	N/A	30.11	Axle Load	-15.15	Axle Load
59.50(B)	50.0	0.22	N/A	27.96	Axle Load	-17.29	Axle Load
61.46(L)	51.6	-2.65	N/A	26.82	Axle Load	-18.37	Axle Load
61.46(R)	51.6	-2.73	N/A	26.82	Axle Load	-18.37	Axle Load
61.53(B)	51.7	-2.84	N/A	26.78	Axle Load	-18.41	Axle Load
61.61(L)	51.8	-2.95	N/A	26.73	Axle Load	-18.46	Axle Load
61.61(R)	51.8	-3.03	N/A	26.73	Axle Load	-18.46	Axle Load
67.46(B)	56.7	-11.62	N/A	23.53	Axle Load	-22.00	Axle Load
71.40(B)	60.0	-17.40	N/A	21.19	Axle Load	-24.31	Axle Load
73.31(L)	61.6	-20.20	N/A	20.07	Axle Load	-25.44	Axle Load
73.31(R)	61.6	-20.28	N/A	20.07	Axle Load	-25.44	Axle Load
73.38(B)	61.7	-20.39	N/A	20.02	Axle Load	-25.48	Axle Load
73.46(L)	61.7	-20.50	N/A	19.98	Axle Load	-25.53	Axle Load
73.46(R)	61.7	-20.58	N/A	19.98	Axle Load	-25.53	Axle Load
79.31(B)	66.6	-29.16	N/A	16.79	Axle Load	-29.38	Axle Load
83.30(B)	70.0	-35.01	N/A	14.50	Axle Load	-31.78	Axle Load
85.16(L)	71.6	-37.74	N/A	13.46	Axle Load	-32.88	Axle Load
85.16(R)	71.6	-37.82	N/A	13.46	Axle Load	-32.88	Axle Load
85.23(B)	71.6	-37.93	N/A	13.42	Axle Load	-32.93	Axle Load
85.31(L)	71.7	-38.04	N/A	13.38	Axle Load	-32.97	Axle Load
85.31(R)	71.7	-38.12	N/A	13.38	Axle Load	-32.97	Axle Load
91.16(B)	76.6	-46.70	N/A	10.33	Axle Load	-36.86	Axle Load
95.20(B)	80.0	-52.63	N/A	8.24	Axle Load	-39.20	Axle Load
95.50(B)	80.3	-53.07	N/A	8.09	Axle Load	-39.36	Axle Load
97.01(L)	81.5	-55.29	N/A	7.34	Axle Load	-40.21	Axle Load

97.01(R)	81.5	-55.37	N/A	7.34	Axle Load	-40.21	Axle Load
97.08(B)	81.6	-55.48	N/A	7.30	Axle Load	-40.25	Axle Load
97.16(L)	81.6	-55.59	N/A	7.27	Axle Load	-40.29	Axle Load
97.16(R)	81.6	-55.67	N/A	7.27	Axle Load	-40.29	Axle Load
103.01(B)	86.6	-64.25	N/A	4.57	Axle Load	-44.00	Axle Load
106.00(B)	89.1	-68.64	N/A	3.25	Axle Load	-45.55	Axle Load
107.10(B)	90.0	-70.33	N/A	2.79	Axle Load	-46.11	Axle Load
108.86(L)	91.5	-73.04	N/A	2.08	Axle Load	-46.97	Axle Load
108.86(R)	91.5	-73.12	N/A	2.08	Axle Load	-46.97	Axle Load
108.93(B)	91.5	-73.24	N/A	2.05	Axle Load	-47.01	Axle Load
109.01(L)	91.6	-73.35	N/A	2.01	Axle Load	-47.05	Axle Load
109.01(R)	91.6	-73.43	N/A	2.01	Axle Load	-47.05	Axle Load
114.00(B)	95.8	-81.13	N/A	0.10	Axle Load	-49.99	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-52.15	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	90.65	N/A	52.67	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	49.11	Axle Load	0.00	Axle Load
1.86(L)	2.0	87.79	N/A	48.83	Axle Load	0.00	Axle Load
1.86(R)	2.0	87.71	N/A	48.83	Axle Load	0.00	Axle Load
2.03(B)	2.1	87.44	N/A	48.78	Axle Load	0.00	Axle Load
2.21(L)	2.3	87.17	N/A	48.72	Axle Load	0.00	Axle Load
2.21(R)	2.3	87.09	N/A	48.72	Axle Load	0.00	Axle Load
8.58(B)	9.0	77.26	N/A	46.64	Axle Load	-1.04	Axle Load
9.52(B)	10.0	75.81	N/A	46.31	Axle Load	-1.31	Axle Load
13.00(B)	13.6	70.46	N/A	45.02	Axle Load	-2.33	Axle Load
14.96(L)	15.7	67.58	N/A	44.26	Axle Load	-2.95	Axle Load
14.96(R)	15.7	67.50	N/A	44.26	Axle Load	-2.95	Axle Load
15.25(B)	16.0	67.08	N/A	44.14	Axle Load	-3.04	Axle Load
15.54(L)	16.3	66.65	N/A	44.02	Axle Load	-3.13	Axle Load
15.54(R)	16.3	66.57	N/A	44.02	Axle Load	-3.13	Axle Load
19.05(B)	20.0	61.42	N/A	42.57	Axle Load	-4.33	Axle Load
21.62(B)	22.7	57.65	N/A	41.44	Axle Load	-5.27	Axle Load
23.50(B)	24.7	54.89	N/A	40.59	Axle Load	-5.97	Axle Load
27.71(L)	29.1	48.72	N/A	38.59	Axle Load	-7.66	Axle Load
27.71(R)	29.1	48.64	N/A	38.59	Axle Load	-7.66	Axle Load
28.00(B)	29.4	48.21	N/A	38.45	Axle Load	-7.78	Axle Load
28.29(L)	29.7	47.79	N/A	38.31	Axle Load	-7.90	Axle Load
28.29(R)	29.7	47.71	N/A	38.31	Axle Load	-7.90	Axle Load
28.58(B)	30.0	47.29	N/A	38.17	Axle Load	-8.02	Axle Load

34.37(B)	36.1	38.78	N/A	35.23	Axle Load	-10.60	Axle Load
38.10(B)	40.0	33.32	N/A	33.22	Axle Load	-12.36	Axle Load
40.46(L)	42.5	29.85	N/A	31.91	Axle Load	-13.53	Axle Load
40.46(R)	42.5	29.77	N/A	31.91	Axle Load	-13.53	Axle Load
40.75(B)	42.8	29.35	N/A	31.75	Axle Load	-13.68	Axle Load
41.04(L)	43.1	28.92	N/A	31.59	Axle Load	-13.82	Axle Load
41.04(R)	43.1	28.84	N/A	31.59	Axle Load	-13.82	Axle Load
47.12(B)	49.5	19.92	N/A	28.08	Axle Load	-17.02	Axle Load
47.63(B)	50.0	19.18	N/A	27.87	Axle Load	-17.34	Axle Load
53.21(L)	55.9	10.99	N/A	24.72	Axle Load	-20.65	Axle Load
53.21(R)	55.9	10.91	N/A	24.72	Axle Load	-20.65	Axle Load
53.50(B)	56.2	10.48	N/A	24.54	Axle Load	-20.82	Axle Load
53.79(L)	56.5	10.06	N/A	24.36	Axle Load	-20.98	Axle Load
53.79(R)	56.5	9.98	N/A	24.36	Axle Load	-20.98	Axle Load
57.15(B)	60.0	5.05	N/A	22.23	Axle Load	-22.96	Axle Load
59.87(B)	62.9	1.05	N/A	20.48	Axle Load	-24.61	Axle Load
65.96(L)	69.2	-7.88	N/A	16.70	Axle Load	-28.73	Axle Load
65.96(R)	69.2	-7.96	N/A	16.70	Axle Load	-28.73	Axle Load
66.25(B)	69.6	-8.38	N/A	16.51	Axle Load	-28.92	Axle Load
66.54(L)	69.9	-8.81	N/A	16.31	Axle Load	-29.11	Axle Load
66.54(R)	69.9	-8.89	N/A	16.31	Axle Load	-29.11	Axle Load
66.68(B)	70.0	-9.09	N/A	16.22	Axle Load	-29.19	Axle Load
72.62(B)	76.2	-17.81	N/A	12.33	Axle Load	-33.47	Axle Load
76.20(B)	80.0	-23.06	N/A	9.84	Axle Load	-35.88	Axle Load
78.71(L)	82.6	-26.74	N/A	8.08	Axle Load	-37.59	Axle Load
78.71(R)	82.6	-26.82	N/A	8.08	Axle Load	-37.59	Axle Load
79.00(B)	82.9	-27.25	N/A	7.87	Axle Load	-37.79	Axle Load
79.29(L)	83.2	-27.67	N/A	7.67	Axle Load	-37.99	Axle Load
79.29(R)	83.2	-27.75	N/A	7.67	Axle Load	-37.99	Axle Load
85.37(B)	89.6	-36.68	N/A	4.91	Axle Load	-42.72	Axle Load
85.72(B)	90.0	-37.19	N/A	4.91	Axle Load	-42.96	Axle Load
91.46(L)	96.0	-45.61	N/A	4.97	Axle Load	-47.60	Axle Load
91.46(R)	96.0	-45.69	N/A	4.97	Axle Load	-47.60	Axle Load
91.75(B)	96.3	-46.11	N/A	4.97	Axle Load	-47.81	Axle Load
92.04(L)	96.6	-46.54	N/A	4.97	Axle Load	-48.02	Axle Load
92.04(R)	96.6	-46.62	N/A	4.97	Axle Load	-48.02	Axle Load
93.64(B)	98.3	-48.97	N/A	4.97	Axle Load	-49.18	Axle Load
95.25(L)	100.0	-51.33	N/A	4.97	Axle Load	-50.34	Axle Load

Note:

"N/A" indicates not applicable

*** indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: OH-4F1
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	54.05	Axle Load	-5.46	Axle Load
2	179.47	N/A	63.36	Axle Load	0.00	Axle Load
3	178.74	N/A	63.36	Axle Load	-8.32	Axle Load
4	179.48	N/A	63.61	Axle Load	0.00	Axle Load
5	51.33	N/A	57.42	Axle Load	-5.80	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: OH-4F1
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	125.31	Axle Load	-13.31	Axle Load
6.64(L)	7.0	308.14	N/A	237.77	Axle Load	-26.62	Axle Load
6.64(R)	7.0	308.14	N/A	237.77	Axle Load	-26.62	Axle Load
9.52(B)	10.0	421.44	N/A	325.16	Axle Load	-38.19	Axle Load
13.11(B)	13.8	545.33	N/A	420.68	Axle Load	-52.58	Axle Load
19.05(B)	20.0	708.73	N/A	547.10	Axle Load	-76.38	Axle Load
19.59(L)	20.6	721.01	N/A	556.67	Axle Load	-78.54	Axle Load
19.59(R)	20.6	721.01	N/A	556.67	Axle Load	-78.54	Axle Load
26.06(B)	27.4	834.15	N/A	659.40	Axle Load	-104.50	Axle Load
28.58(B)	30.0	861.47	N/A	687.91	Axle Load	-114.57	Axle Load
32.54(L)	34.2	885.78	N/A	719.92	Axle Load	-130.46	Axle Load
32.54(R)	34.2	885.78	N/A	719.92	Axle Load	-130.46	Axle Load
38.10(B)	40.0	880.13	N/A	739.72	Axle Load	-152.76	Axle Load
39.01(B)	41.0	874.86	N/A	740.34	Axle Load	-156.42	Axle Load
45.49(L)	47.8	802.44	N/A	728.05	Axle Load	-182.38	Axle Load
45.49(R)	47.8	802.44	N/A	728.05	Axle Load	-182.38	Axle Load

47.63(B)	50.0	764.72	N/A	719.14	Axle Load	-190.95	Axle Load
51.96(B)	54.6	667.47	N/A	689.71	Axle Load	-208.34	Axle Load
57.15(B)	60.0	515.02	N/A	636.95	Axle Load	-229.14	Axle Load
58.44(L)	61.4	470.99	N/A	620.84	Axle Load	-234.31	Axle Load
58.44(R)	61.4	470.99	N/A	620.84	Axle Load	-234.31	Axle Load
64.91(B)	68.2	211.97	N/A	525.17	Axle Load	-260.27	Axle Load
66.68(B)	70.0	130.91	N/A	495.20	Axle Load	-267.33	Axle Load
71.39(L)	74.9	-108.56	N/A	395.95	Axle Load	-277.53	Axle Load
71.39(R)	74.9	-108.56	N/A	395.95	Axle Load	-277.53	Axle Load
71.75(B)	75.3	-128.27	N/A	389.20	Axle Load	-278.93	Axle Load
76.20(B)	80.0	-387.28	N/A	303.34	Axle Load	-296.23	Axle Load
77.86(B)	81.7	-491.63	N/A	269.60	Axle Load	-302.70	Axle Load
82.25(B)	86.4	-786.02	N/A	178.73	Axle Load	-319.75	Axle Load
84.34(L)	88.5	-936.37	N/A	134.95	Axle Load	-327.87	Axle Load
84.34(R)	88.5	-936.37	N/A	134.95	Axle Load	-327.87	Axle Load
85.72(B)	90.0	-1040.00	N/A	104.86	Axle Load	-333.26	Axle Load
89.79(B)	94.3	-1361.49	N/A	18.02	Axle Load	-349.08	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-429.75	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-429.75	Axle Load
1.02(B)	0.9	-1742.59	N/A	0.00	Axle Load	-424.09	Axle Load
2.04(L)	1.7	-1654.31	N/A	0.00	Axle Load	-418.44	Axle Load
2.04(R)	1.7	-1654.31	N/A	0.00	Axle Load	-418.44	Axle Load
2.12(B)	1.8	-1647.03	N/A	0.00	Axle Load	-417.97	Axle Load
2.21(L)	1.9	-1639.76	N/A	0.00	Axle Load	-417.50	Axle Load
2.21(R)	1.9	-1639.76	N/A	0.00	Axle Load	-417.50	Axle Load
8.13(B)	6.8	-1160.99	N/A	90.04	Axle Load	-384.64	Axle Load
11.90(B)	10.0	-884.84	N/A	169.84	Axle Load	-363.76	Axle Load
13.00(B)	10.9	-808.29	N/A	192.80	Axle Load	-357.66	Axle Load
14.06(L)	11.8	-736.29	N/A	214.33	Axle Load	-351.79	Axle Load
14.06(R)	11.8	-736.29	N/A	214.33	Axle Load	-351.79	Axle Load
14.13(B)	11.9	-731.26	N/A	215.83	Axle Load	-351.37	Axle Load
14.21(L)	11.9	-726.24	N/A	217.32	Axle Load	-350.95	Axle Load
14.21(R)	11.9	-726.24	N/A	217.32	Axle Load	-350.95	Axle Load
20.06(B)	16.9	-360.52	N/A	327.72	Axle Load	-318.51	Axle Load
23.50(B)	19.7	-168.88	N/A	386.32	Axle Load	-299.44	Axle Load
23.80(B)	20.0	-152.99	N/A	391.11	Axle Load	-297.77	Axle Load
25.91(L)	21.8	-45.01	N/A	412.87	Axle Load	-278.32	Axle Load
25.91(R)	21.8	-45.01	N/A	412.87	Axle Load	-278.32	Axle Load

25.98(B)	21.8	-41.30	N/A	413.96	Axle Load	-277.91	Axle Load
26.06(L)	21.9	-37.59	N/A	415.05	Axle Load	-277.51	Axle Load
26.06(R)	21.9	-37.59	N/A	415.05	Axle Load	-277.51	Axle Load
31.91(B)	26.8	225.48	N/A	490.67	Axle Load	-245.95	Axle Load
35.70(B)	30.0	369.14	N/A	529.13	Axle Load	-225.50	Axle Load
37.76(L)	31.7	438.35	N/A	546.72	Axle Load	-214.39	Axle Load
37.76(R)	31.7	438.35	N/A	546.72	Axle Load	-214.39	Axle Load
37.83(B)	31.8	440.75	N/A	547.29	Axle Load	-213.98	Axle Load
37.91(L)	31.9	443.14	N/A	547.86	Axle Load	-213.58	Axle Load
37.91(R)	31.9	443.14	N/A	547.86	Axle Load	-213.58	Axle Load
43.76(B)	36.8	603.58	N/A	581.09	Axle Load	-182.02	Axle Load
47.60(B)	40.0	681.61	N/A	590.80	Axle Load	-161.30	Axle Load
49.61(L)	41.7	713.81	N/A	592.45	Axle Load	-150.46	Axle Load
49.61(R)	41.7	713.81	N/A	592.45	Axle Load	-150.46	Axle Load
49.68(B)	41.8	714.90	N/A	592.45	Axle Load	-150.05	Axle Load
49.76(L)	41.8	715.97	N/A	592.44	Axle Load	-149.65	Axle Load
49.76(R)	41.8	715.97	N/A	592.44	Axle Load	-149.65	Axle Load
55.61(B)	46.7	773.77	N/A	585.54	Axle Load	-118.09	Axle Load
59.50(B)	50.0	784.42	N/A	569.65	Axle Load	-97.10	Axle Load
61.46(L)	51.6	781.37	N/A	558.17	Axle Load	-86.53	Axle Load
61.46(R)	51.6	781.37	N/A	558.17	Axle Load	-86.53	Axle Load
61.53(B)	51.7	781.13	N/A	557.67	Axle Load	-86.13	Axle Load
61.61(L)	51.8	780.89	N/A	557.17	Axle Load	-85.72	Axle Load
61.61(R)	51.8	780.89	N/A	557.17	Axle Load	-85.72	Axle Load
67.46(B)	56.7	736.06	N/A	509.05	Axle Load	-54.16	Axle Load
71.40(B)	60.0	677.56	N/A	466.23	Axle Load	-32.90	Axle Load
73.31(L)	61.6	641.02	N/A	442.96	Axle Load	-22.60	Axle Load
73.31(R)	61.6	641.02	N/A	442.96	Axle Load	-22.60	Axle Load
73.38(B)	61.7	639.47	N/A	441.99	Axle Load	-22.20	Axle Load
73.46(L)	61.7	637.91	N/A	441.02	Axle Load	-21.79	Axle Load
73.46(R)	61.7	637.91	N/A	441.02	Axle Load	-21.79	Axle Load
79.31(B)	66.6	490.44	N/A	360.29	Axle Load	-4.70	Axle Load
83.30(B)	70.0	361.03	N/A	299.07	Axle Load	-36.18	Axle Load
85.16(L)	71.6	292.76	N/A	269.58	Axle Load	-57.92	Axle Load
85.16(R)	71.6	292.76	N/A	269.58	Axle Load	-57.92	Axle Load
85.23(B)	71.6	289.89	N/A	268.35	Axle Load	-58.87	Axle Load
85.31(L)	71.7	287.02	N/A	267.12	Axle Load	-59.82	Axle Load
85.31(R)	71.7	287.02	N/A	267.12	Axle Load	-59.82	Axle Load
91.16(B)	76.6	36.91	N/A	181.19	Axle Load	-152.68	Axle Load
95.20(B)	80.0	-165.15	N/A	127.44	Axle Load	-233.59	Axle Load
95.50(B)	80.3	-181.11	N/A	123.88	Axle Load	-240.16	Axle Load
97.01(L)	81.5	-263.41	N/A	105.71	Axle Load	-273.54	Axle Load
97.01(R)	81.5	-263.41	N/A	105.71	Axle Load	-273.54	Axle Load

97.08(B)	81.6	-267.59	N/A	105.66	Axle Load	-275.25	Axle Load
97.16(L)	81.6	-271.78	N/A	106.07	Axle Load	-276.95	Axle Load
97.16(R)	81.6	-271.78	N/A	106.07	Axle Load	-276.95	Axle Load
103.01(B)	86.6	-624.52	N/A	137.63	Axle Load	-419.08	Axle Load
104.00(B)	87.4	-689.23	N/A	142.97	Axle Load	-444.40	Axle Load
107.10(B)	90.0	-901.36	N/A	159.69	Axle Load	-527.86	Axle Load
108.86(L)	91.5	-1028.35	N/A	169.19	Axle Load	-576.82	Axle Load
108.86(R)	91.5	-1028.35	N/A	169.19	Axle Load	-576.82	Axle Load
108.93(B)	91.5	-1033.88	N/A	169.59	Axle Load	-578.94	Axle Load
109.01(L)	91.6	-1039.41	N/A	170.00	Axle Load	-581.05	Axle Load
109.01(R)	91.6	-1039.41	N/A	170.00	Axle Load	-581.05	Axle Load
114.00(B)	95.8	-1427.90	N/A	196.94	Axle Load	-725.86	Axle Load
119.00(L)	100.0	-1854.85	N/A	223.89	Axle Load	-877.91	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1854.80	N/A	224.26	Axle Load	-877.83	Axle Load
0.93(B)	0.8	-1772.33	N/A	219.24	Axle Load	-849.17	Axle Load
1.86(L)	1.6	-1691.19	N/A	214.22	Axle Load	-820.68	Axle Load
1.86(R)	1.6	-1691.19	N/A	214.22	Axle Load	-820.68	Axle Load
2.03(B)	1.7	-1676.08	N/A	213.27	Axle Load	-815.32	Axle Load
2.21(L)	1.9	-1661.02	N/A	212.32	Axle Load	-809.95	Axle Load
2.21(R)	1.9	-1661.02	N/A	212.32	Axle Load	-809.95	Axle Load
8.13(B)	6.8	-1179.36	N/A	180.31	Axle Load	-634.19	Axle Load
11.90(B)	10.0	-901.36	N/A	159.96	Axle Load	-527.82	Axle Load
14.06(L)	11.8	-751.80	N/A	148.29	Axle Load	-469.46	Axle Load
14.06(R)	11.8	-751.80	N/A	148.29	Axle Load	-469.46	Axle Load
14.13(B)	11.9	-746.74	N/A	147.88	Axle Load	-467.49	Axle Load
14.21(L)	11.9	-741.69	N/A	147.48	Axle Load	-465.51	Axle Load
14.21(R)	11.9	-741.69	N/A	147.48	Axle Load	-465.51	Axle Load
15.00(B)	12.6	-689.04	N/A	143.21	Axle Load	-444.70	Axle Load
20.06(B)	16.9	-373.96	N/A	115.87	Axle Load	-318.48	Axle Load
23.50(B)	19.7	-181.15	N/A	123.83	Axle Load	-240.15	Axle Load
23.80(B)	20.0	-165.16	N/A	127.60	Axle Load	-233.62	Axle Load
25.91(L)	21.8	-56.46	N/A	155.13	Axle Load	-190.01	Axle Load
25.91(R)	21.8	-56.46	N/A	155.13	Axle Load	-190.01	Axle Load
25.98(B)	21.8	-52.72	N/A	156.13	Axle Load	-188.52	Axle Load
26.06(L)	21.9	-48.99	N/A	157.12	Axle Load	-187.03	Axle Load
26.06(R)	21.9	-48.99	N/A	157.12	Axle Load	-187.03	Axle Load
31.91(B)	26.8	216.08	N/A	238.90	Axle Load	-84.63	Axle Load
35.70(B)	30.0	361.02	N/A	298.86	Axle Load	-36.16	Axle Load

37.76(L)	31.7	430.94	N/A	331.47	Axle Load	-17.01	Axle Load
37.76(R)	31.7	430.94	N/A	331.47	Axle Load	-17.01	Axle Load
37.83(B)	31.8	433.36	N/A	332.61	Axle Load	-16.46	Axle Load
37.91(L)	31.9	435.77	N/A	333.75	Axle Load	-15.90	Axle Load
37.91(R)	31.9	435.77	N/A	333.75	Axle Load	-15.90	Axle Load
43.76(B)	36.8	598.20	N/A	417.70	Axle Load	-12.20	Axle Load
47.60(B)	40.0	677.54	N/A	466.06	Axle Load	-32.96	Axle Load
49.61(L)	41.7	710.43	N/A	489.27	Axle Load	-43.82	Axle Load
49.61(R)	41.7	710.43	N/A	489.27	Axle Load	-43.82	Axle Load
49.68(B)	41.8	711.53	N/A	490.08	Axle Load	-44.22	Axle Load
49.76(L)	41.8	712.63	N/A	490.88	Axle Load	-44.63	Axle Load
49.76(R)	41.8	712.63	N/A	490.88	Axle Load	-44.63	Axle Load
55.61(B)	46.7	772.43	N/A	544.52	Axle Load	-76.24	Axle Load
59.50(B)	50.0	784.39	N/A	569.52	Axle Load	-97.26	Axle Load
61.46(L)	51.6	782.01	N/A	579.05	Axle Load	-107.85	Axle Load
61.46(R)	51.6	782.01	N/A	579.05	Axle Load	-107.85	Axle Load
61.53(B)	51.7	781.80	N/A	579.35	Axle Load	-108.26	Axle Load
61.61(L)	51.8	781.59	N/A	579.64	Axle Load	-108.66	Axle Load
61.61(R)	51.8	781.59	N/A	579.64	Axle Load	-108.66	Axle Load
67.46(B)	56.7	738.74	N/A	591.56	Axle Load	-140.27	Axle Load
71.40(B)	60.0	681.58	N/A	590.91	Axle Load	-161.57	Axle Load
73.31(L)	61.6	645.69	N/A	587.28	Axle Load	-171.89	Axle Load
73.31(R)	61.6	645.69	N/A	587.28	Axle Load	-171.89	Axle Load
73.38(B)	61.7	644.17	N/A	587.08	Axle Load	-172.29	Axle Load
73.46(L)	61.7	642.63	N/A	586.87	Axle Load	-172.70	Axle Load
73.46(R)	61.7	642.63	N/A	586.87	Axle Load	-172.70	Axle Load
79.31(B)	66.6	497.15	N/A	560.27	Axle Load	-204.31	Axle Load
83.30(B)	70.0	369.10	N/A	529.24	Axle Load	-225.87	Axle Load
85.16(L)	71.6	301.46	N/A	511.48	Axle Load	-235.92	Axle Load
85.16(R)	71.6	301.46	N/A	511.48	Axle Load	-235.92	Axle Load
85.23(B)	71.6	298.62	N/A	510.70	Axle Load	-236.33	Axle Load
85.31(L)	71.7	295.77	N/A	509.92	Axle Load	-236.73	Axle Load
85.31(R)	71.7	295.77	N/A	509.92	Axle Load	-236.73	Axle Load
91.16(B)	76.6	47.65	N/A	440.00	Axle Load	-268.34	Axle Load
95.20(B)	80.0	-153.04	N/A	391.27	Axle Load	-298.26	Axle Load
95.50(B)	80.3	-168.89	N/A	386.50	Axle Load	-299.93	Axle Load
97.01(L)	81.5	-250.67	N/A	361.42	Axle Load	-308.32	Axle Load
97.01(R)	81.5	-250.67	N/A	361.42	Axle Load	-308.32	Axle Load
97.08(B)	81.6	-254.83	N/A	360.13	Axle Load	-308.73	Axle Load
97.16(L)	81.6	-258.99	N/A	358.84	Axle Load	-309.15	Axle Load
97.16(R)	81.6	-258.99	N/A	358.84	Axle Load	-309.15	Axle Load
103.01(B)	86.6	-609.75	N/A	252.17	Axle Load	-341.64	Axle Load
106.00(B)	89.1	-808.45	N/A	192.55	Axle Load	-358.25	Axle Load

107.10(B)	90.0	-884.89	N/A	169.85	Axle Load	-364.36	Axle Load
108.86(L)	91.5	-1011.02	N/A	132.89	Axle Load	-374.13	Axle Load
108.86(R)	91.5	-1011.02	N/A	132.89	Axle Load	-374.13	Axle Load
108.93(B)	91.5	-1016.50	N/A	131.27	Axle Load	-374.55	Axle Load
109.01(L)	91.6	-1022.00	N/A	129.64	Axle Load	-374.97	Axle Load
109.01(R)	91.6	-1022.00	N/A	129.64	Axle Load	-374.97	Axle Load
114.00(B)	95.8	-1408.06	N/A	21.22	Axle Load	-402.71	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-430.46	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-430.46	Axle Load
0.93(B)	1.0	-1748.95	N/A	0.00	Axle Load	-403.93	Axle Load
1.86(L)	2.0	-1666.67	N/A	0.00	Axle Load	-377.65	Axle Load
1.86(R)	2.0	-1666.67	N/A	0.00	Axle Load	-377.65	Axle Load
2.03(B)	2.1	-1651.34	N/A	0.00	Axle Load	-372.76	Axle Load
2.21(L)	2.3	-1636.07	N/A	0.00	Axle Load	-367.91	Axle Load
2.21(R)	2.3	-1636.07	N/A	0.00	Axle Load	-367.91	Axle Load
8.58(B)	9.0	-1112.19	N/A	85.35	Axle Load	-336.72	Axle Load
9.52(B)	10.0	-1040.20	N/A	105.39	Axle Load	-333.07	Axle Load
13.00(B)	13.6	-786.05	N/A	178.61	Axle Load	-319.57	Axle Load
14.96(L)	15.7	-650.81	N/A	219.41	Axle Load	-311.95	Axle Load
14.96(R)	15.7	-650.81	N/A	219.41	Axle Load	-311.95	Axle Load
15.25(B)	16.0	-631.30	N/A	225.49	Axle Load	-310.83	Axle Load
15.54(L)	16.3	-611.91	N/A	231.57	Axle Load	-309.70	Axle Load
15.54(R)	16.3	-611.91	N/A	231.57	Axle Load	-309.70	Axle Load
19.05(B)	20.0	-387.24	N/A	302.76	Axle Load	-296.06	Axle Load
21.62(B)	22.7	-233.97	N/A	353.67	Axle Load	-286.06	Axle Load
23.50(B)	24.7	-128.43	N/A	389.04	Axle Load	-278.77	Axle Load
27.71(L)	29.1	89.65	N/A	479.88	Axle Load	-270.64	Axle Load
27.71(R)	29.1	89.65	N/A	479.88	Axle Load	-270.64	Axle Load
28.00(B)	29.4	103.69	N/A	485.09	Axle Load	-269.48	Axle Load
28.29(L)	29.7	117.61	N/A	490.24	Axle Load	-268.32	Axle Load
28.29(R)	29.7	117.61	N/A	490.24	Axle Load	-268.32	Axle Load
28.58(B)	30.0	131.18	N/A	495.25	Axle Load	-267.17	Axle Load
34.37(B)	36.1	380.76	N/A	587.27	Axle Load	-243.93	Axle Load
38.10(B)	40.0	515.06	N/A	636.51	Axle Load	-229.00	Axle Load
40.46(L)	42.5	589.58	N/A	663.21	Axle Load	-219.55	Axle Load
40.46(R)	42.5	589.58	N/A	663.21	Axle Load	-219.55	Axle Load
40.75(B)	42.8	598.15	N/A	666.21	Axle Load	-218.39	Axle Load
41.04(L)	43.1	606.60	N/A	669.13	Axle Load	-217.23	Axle Load

41.04(R)	43.1	606.60	N/A	669.13	Axle Load	-217.23	Axle Load
47.12(B)	49.5	754.95	N/A	716.71	Axle Load	-192.84	Axle Load
47.63(B)	50.0	764.73	N/A	719.34	Axle Load	-190.84	Axle Load
53.21(L)	55.9	848.97	N/A	736.65	Axle Load	-168.46	Axle Load
53.21(R)	55.9	848.97	N/A	736.65	Axle Load	-168.46	Axle Load
53.50(B)	56.2	852.08	N/A	737.34	Axle Load	-167.30	Axle Load
53.79(L)	56.5	855.05	N/A	737.95	Axle Load	-166.14	Axle Load
53.79(R)	56.5	855.05	N/A	737.95	Axle Load	-166.14	Axle Load
57.15(B)	60.0	880.30	N/A	739.68	Axle Load	-152.67	Axle Load
59.87(B)	62.9	888.61	N/A	733.67	Axle Load	-141.75	Axle Load
65.96(L)	69.2	867.84	N/A	694.91	Axle Load	-117.37	Axle Load
65.96(R)	69.2	867.84	N/A	694.91	Axle Load	-117.37	Axle Load
66.25(B)	69.6	865.47	N/A	692.15	Axle Load	-116.21	Axle Load
66.54(L)	69.9	862.98	N/A	689.29	Axle Load	-115.05	Axle Load
66.54(R)	69.9	862.98	N/A	689.29	Axle Load	-115.05	Axle Load
66.68(B)	70.0	861.76	N/A	687.93	Axle Load	-114.50	Axle Load
72.62(B)	76.2	781.74	N/A	609.63	Axle Load	-90.66	Axle Load
76.20(B)	80.0	708.66	N/A	547.07	Axle Load	-76.33	Axle Load
78.71(L)	82.6	646.17	N/A	498.37	Axle Load	-66.28	Axle Load
78.71(R)	82.6	646.17	N/A	498.37	Axle Load	-66.28	Axle Load
79.00(B)	82.9	638.33	N/A	492.30	Axle Load	-65.12	Axle Load
79.29(L)	83.2	630.37	N/A	486.13	Axle Load	-63.96	Axle Load
79.29(R)	83.2	630.37	N/A	486.13	Axle Load	-63.96	Axle Load
85.37(B)	89.6	434.33	N/A	335.14	Axle Load	-39.57	Axle Load
85.72(B)	90.0	421.39	N/A	325.17	Axle Load	-38.17	Axle Load
91.46(L)	96.0	183.98	N/A	142.04	Axle Load	-15.19	Axle Load
91.46(R)	96.0	183.98	N/A	142.04	Axle Load	-15.19	Axle Load
91.75(B)	96.3	170.67	N/A	131.76	Axle Load	-14.03	Axle Load
92.04(L)	96.6	157.23	N/A	121.39	Axle Load	-12.86	Axle Load
92.04(R)	96.6	157.23	N/A	121.39	Axle Load	-12.86	Axle Load
93.64(B)	98.3	80.51	N/A	62.20	Axle Load	-6.43	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary

Live Load: OH-4F1**Impact = ** %****Span 1**

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	54.05	Axle Load	-5.46	Axle Load
3.32(B)	3.5	46.41	N/A	51.40	Axle Load	-5.46	Axle Load
6.64(L)	7.0	41.54	N/A	48.77	Axle Load	-5.46	Axle Load
6.64(R)	7.0	41.38	N/A	48.77	Axle Load	-5.46	Axle Load
9.52(B)	10.0	37.15	N/A	46.49	Axle Load	-5.46	Axle Load
13.11(B)	13.8	31.88	N/A	43.68	Axle Load	-5.69	Axle Load
19.05(B)	20.0	23.17	N/A	39.11	Axle Load	-9.55	Axle Load
19.59(L)	20.6	22.38	N/A	38.70	Axle Load	-9.98	Axle Load
19.59(R)	20.6	22.22	N/A	38.70	Axle Load	-9.98	Axle Load
26.06(B)	27.4	12.72	N/A	33.85	Axle Load	-15.08	Axle Load
28.58(B)	30.0	9.04	N/A	32.01	Axle Load	-17.04	Axle Load
32.54(L)	34.2	3.22	N/A	29.17	Axle Load	-20.09	Axle Load
32.54(R)	34.2	3.06	N/A	29.17	Axle Load	-20.09	Axle Load
38.10(B)	40.0	-5.09	N/A	25.30	Axle Load	-24.29	Axle Load
39.01(B)	41.0	-6.44	N/A	24.68	Axle Load	-24.97	Axle Load
45.49(L)	47.8	-15.93	N/A	20.43	Axle Load	-29.69	Axle Load
45.49(R)	47.8	-16.09	N/A	20.43	Axle Load	-29.69	Axle Load
47.63(B)	50.0	-19.23	N/A	19.13	Axle Load	-31.30	Axle Load
51.96(B)	54.6	-25.59	N/A	16.49	Axle Load	-34.32	Axle Load
57.15(B)	60.0	-33.20	N/A	13.62	Axle Load	-38.15	Axle Load
58.44(L)	61.4	-35.09	N/A	12.89	Axle Load	-38.99	Axle Load
58.44(R)	61.4	-35.25	N/A	12.89	Axle Load	-38.99	Axle Load
64.91(B)	68.2	-44.75	N/A	9.60	Axle Load	-43.62	Axle Load
66.68(B)	70.0	-47.34	N/A	8.72	Axle Load	-44.70	Axle Load
71.39(L)	74.9	-54.25	N/A	6.50	Axle Load	-47.47	Axle Load
71.39(R)	74.9	-54.41	N/A	6.50	Axle Load	-47.47	Axle Load
71.75(B)	75.3	-54.94	N/A	6.41	Axle Load	-48.25	Axle Load
76.20(B)	80.0	-61.47	N/A	4.49	Axle Load	-50.74	Axle Load
77.86(B)	81.7	-63.91	N/A	3.81	Axle Load	-51.61	Axle Load
82.25(B)	86.4	-70.35	N/A	2.19	Axle Load	-54.47	Axle Load
84.34(L)	88.5	-73.57	N/A	1.45	Axle Load	-55.48	Axle Load
84.34(R)	88.5	-73.73	N/A	1.45	Axle Load	-55.48	Axle Load
85.72(B)	90.0	-75.86	N/A	0.97	Axle Load	-56.12	Axle Load
89.79(B)	94.3	-82.13	N/A	0.00	Axle Load	-57.92	Axle Load
95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-60.80	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	59.94	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	55.94	Axle Load	0.00	Axle Load
2.04(L)	1.7	85.79	N/A	55.45	Axle Load	0.00	Axle Load
2.04(R)	1.7	85.71	N/A	55.45	Axle Load	0.00	Axle Load
2.12(B)	1.8	85.58	N/A	55.41	Axle Load	0.00	Axle Load
2.21(L)	1.9	85.45	N/A	55.37	Axle Load	0.00	Axle Load
2.21(R)	1.9	85.37	N/A	55.37	Axle Load	0.00	Axle Load
8.13(B)	6.8	76.24	N/A	52.32	Axle Load	-0.64	Axle Load
11.90(B)	10.0	70.44	N/A	50.22	Axle Load	-2.26	Axle Load
13.00(B)	10.9	68.74	N/A	49.59	Axle Load	-2.76	Axle Load
14.06(L)	11.8	67.19	N/A	48.97	Axle Load	-3.26	Axle Load
14.06(R)	11.8	67.11	N/A	48.97	Axle Load	-3.26	Axle Load
14.13(B)	11.9	67.00	N/A	48.93	Axle Load	-3.29	Axle Load
14.21(L)	11.9	66.89	N/A	48.88	Axle Load	-3.33	Axle Load
14.21(R)	11.9	66.81	N/A	48.88	Axle Load	-3.33	Axle Load
20.06(B)	16.9	58.22	N/A	45.33	Axle Load	-6.22	Axle Load
23.50(B)	19.7	53.18	N/A	43.13	Axle Load	-8.07	Axle Load
23.80(B)	20.0	52.74	N/A	42.94	Axle Load	-8.24	Axle Load
25.91(L)	21.8	49.64	N/A	41.56	Axle Load	-9.42	Axle Load
25.91(R)	21.8	49.56	N/A	41.56	Axle Load	-9.42	Axle Load
25.98(B)	21.8	49.45	N/A	41.51	Axle Load	-9.46	Axle Load
26.06(L)	21.9	49.34	N/A	41.46	Axle Load	-9.50	Axle Load
26.06(R)	21.9	49.26	N/A	41.46	Axle Load	-9.50	Axle Load
31.91(B)	26.8	40.68	N/A	37.56	Axle Load	-12.97	Axle Load
35.70(B)	30.0	35.12	N/A	34.98	Axle Load	-15.35	Axle Load
37.76(L)	31.7	32.10	N/A	33.56	Axle Load	-16.66	Axle Load
37.76(R)	31.7	32.02	N/A	33.56	Axle Load	-16.66	Axle Load
37.83(B)	31.8	31.91	N/A	33.51	Axle Load	-16.71	Axle Load
37.91(L)	31.9	31.80	N/A	33.46	Axle Load	-16.76	Axle Load
37.91(R)	31.9	31.72	N/A	33.46	Axle Load	-16.76	Axle Load
43.76(B)	36.8	23.13	N/A	29.45	Axle Load	-20.61	Axle Load
47.60(B)	40.0	17.50	N/A	26.83	Axle Load	-23.21	Axle Load
49.61(L)	41.7	14.55	N/A	25.47	Axle Load	-24.58	Axle Load
49.61(R)	41.7	14.47	N/A	25.47	Axle Load	-24.58	Axle Load
49.68(B)	41.8	14.36	N/A	25.42	Axle Load	-24.63	Axle Load
49.76(L)	41.8	14.25	N/A	25.37	Axle Load	-24.68	Axle Load
49.76(R)	41.8	14.17	N/A	25.37	Axle Load	-24.68	Axle Load
55.61(B)	46.7	5.59	N/A	21.50	Axle Load	-28.69	Axle Load

59.50(B)	50.0	-0.12	N/A	19.07	Axle Load	-31.47	Axle Load
61.46(L)	51.6	-2.99	N/A	17.84	Axle Load	-32.80	Axle Load
61.46(R)	51.6	-3.07	N/A	17.84	Axle Load	-32.80	Axle Load
61.53(B)	51.7	-3.18	N/A	17.79	Axle Load	-32.85	Axle Load
61.61(L)	51.8	-3.29	N/A	17.75	Axle Load	-32.90	Axle Load
61.61(R)	51.8	-3.37	N/A	17.75	Axle Load	-32.90	Axle Load
67.46(B)	56.7	-11.96	N/A	14.38	Axle Load	-37.21	Axle Load
71.40(B)	60.0	-17.74	N/A	12.16	Axle Load	-39.81	Axle Load
73.31(L)	61.6	-20.54	N/A	11.13	Axle Load	-41.04	Axle Load
73.31(R)	61.6	-20.62	N/A	11.13	Axle Load	-41.04	Axle Load
73.38(B)	61.7	-20.73	N/A	11.09	Axle Load	-41.09	Axle Load
73.46(L)	61.7	-20.84	N/A	11.05	Axle Load	-41.14	Axle Load
73.46(R)	61.7	-20.92	N/A	11.05	Axle Load	-41.14	Axle Load
79.31(B)	66.6	-29.50	N/A	8.24	Axle Load	-45.37	Axle Load
83.30(B)	70.0	-35.35	N/A	8.00	Axle Load	-47.73	Axle Load
85.16(L)	71.6	-38.08	N/A	8.00	Axle Load	-48.79	Axle Load
85.16(R)	71.6	-38.16	N/A	8.00	Axle Load	-48.79	Axle Load
85.23(B)	71.6	-38.27	N/A	8.00	Axle Load	-48.83	Axle Load
85.31(L)	71.7	-38.38	N/A	8.00	Axle Load	-48.87	Axle Load
85.31(R)	71.7	-38.46	N/A	8.00	Axle Load	-48.87	Axle Load
91.16(B)	76.6	-47.04	N/A	8.10	Axle Load	-52.64	Axle Load
95.20(B)	80.0	-52.97	N/A	8.10	Axle Load	-54.58	Axle Load
95.50(B)	80.3	-53.41	N/A	8.10	Axle Load	-54.71	Axle Load
97.01(L)	81.5	-55.63	N/A	8.10	Axle Load	-55.38	Axle Load
97.01(R)	81.5	-55.71	N/A	8.10	Axle Load	-55.38	Axle Load
97.08(B)	81.6	-55.82	N/A	8.10	Axle Load	-55.41	Axle Load
97.16(L)	81.6	-55.93	N/A	8.10	Axle Load	-55.44	Axle Load
97.16(R)	81.6	-56.01	N/A	8.10	Axle Load	-55.44	Axle Load
103.01(B)	86.6	-64.59	N/A	8.20	Axle Load	-58.47	Axle Load
104.00(B)	87.4	-66.04	N/A	8.20	Axle Load	-58.80	Axle Load
107.10(B)	90.0	-70.82	N/A	8.20	Axle Load	-59.77	Axle Load
108.86(L)	91.5	-73.53	N/A	8.20	Axle Load	-60.27	Axle Load
108.86(R)	91.5	-73.61	N/A	8.20	Axle Load	-60.27	Axle Load
108.93(B)	91.5	-73.73	N/A	8.20	Axle Load	-60.29	Axle Load
109.01(L)	91.6	-73.84	N/A	8.20	Axle Load	-60.31	Axle Load
109.01(R)	91.6	-73.92	N/A	8.20	Axle Load	-60.31	Axle Load
114.00(B)	95.8	-81.62	N/A	8.31	Axle Load	-62.22	Axle Load
119.00(L)	100.0	-89.32	N/A	8.31	Axle Load	-62.96	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load

0.00(R)	0.0	89.42	N/A	62.96	Axle Load	-8.32	Axle Load
0.93(B)	0.8	87.99	N/A	58.93	Axle Load	-7.80	Axle Load
1.86(L)	1.6	86.56	N/A	58.81	Axle Load	-7.80	Axle Load
1.86(R)	1.6	86.48	N/A	58.81	Axle Load	-7.80	Axle Load
2.03(B)	1.7	86.21	N/A	58.79	Axle Load	-7.80	Axle Load
2.21(L)	1.9	85.94	N/A	58.77	Axle Load	-7.80	Axle Load
2.21(R)	1.9	85.86	N/A	58.77	Axle Load	-7.80	Axle Load
8.13(B)	6.8	76.73	N/A	57.71	Axle Load	-7.80	Axle Load
11.90(B)	10.0	70.92	N/A	56.76	Axle Load	-7.80	Axle Load
14.06(L)	11.8	67.60	N/A	56.13	Axle Load	-7.80	Axle Load
14.06(R)	11.8	67.52	N/A	56.13	Axle Load	-7.80	Axle Load
14.13(B)	11.9	67.40	N/A	56.11	Axle Load	-7.80	Axle Load
14.21(L)	11.9	67.29	N/A	56.08	Axle Load	-7.80	Axle Load
14.21(R)	11.9	67.21	N/A	56.08	Axle Load	-7.80	Axle Load
15.00(B)	12.6	65.99	N/A	55.84	Axle Load	-7.80	Axle Load
20.06(B)	16.9	58.56	N/A	54.04	Axle Load	-7.80	Axle Load
23.50(B)	19.7	53.52	N/A	52.61	Axle Load	-7.80	Axle Load
23.80(B)	20.0	53.08	N/A	52.48	Axle Load	-7.80	Axle Load
25.91(L)	21.8	49.98	N/A	51.53	Axle Load	-7.80	Axle Load
25.91(R)	21.8	49.90	N/A	51.53	Axle Load	-7.80	Axle Load
25.98(B)	21.8	49.79	N/A	51.50	Axle Load	-7.80	Axle Load
26.06(L)	21.9	49.68	N/A	51.46	Axle Load	-7.80	Axle Load
26.06(R)	21.9	49.60	N/A	51.46	Axle Load	-7.80	Axle Load
31.91(B)	26.8	41.02	N/A	48.56	Axle Load	-7.80	Axle Load
35.70(B)	30.0	35.46	N/A	46.49	Axle Load	-7.80	Axle Load
37.76(L)	31.7	32.44	N/A	45.32	Axle Load	-7.80	Axle Load
37.76(R)	31.7	32.36	N/A	45.32	Axle Load	-7.80	Axle Load
37.83(B)	31.8	32.25	N/A	45.28	Axle Load	-7.80	Axle Load
37.91(L)	31.9	32.14	N/A	45.23	Axle Load	-7.80	Axle Load
37.91(R)	31.9	32.06	N/A	45.23	Axle Load	-7.80	Axle Load
43.76(B)	36.8	23.47	N/A	41.72	Axle Load	-9.98	Axle Load
47.60(B)	40.0	17.84	N/A	39.29	Axle Load	-12.00	Axle Load
49.61(L)	41.7	14.89	N/A	37.98	Axle Load	-13.10	Axle Load
49.61(R)	41.7	14.81	N/A	37.98	Axle Load	-13.10	Axle Load
49.68(B)	41.8	14.70	N/A	37.93	Axle Load	-13.14	Axle Load
49.76(L)	41.8	14.59	N/A	37.89	Axle Load	-13.18	Axle Load
49.76(R)	41.8	14.51	N/A	37.89	Axle Load	-13.18	Axle Load
55.61(B)	46.7	5.93	N/A	34.00	Axle Load	-16.59	Axle Load
59.50(B)	50.0	0.22	N/A	31.46	Axle Load	-19.07	Axle Load
61.46(L)	51.6	-2.65	N/A	30.12	Axle Load	-20.32	Axle Load
61.46(R)	51.6	-2.73	N/A	30.12	Axle Load	-20.32	Axle Load
61.53(B)	51.7	-2.84	N/A	30.07	Axle Load	-20.37	Axle Load
61.61(L)	51.8	-2.95	N/A	30.01	Axle Load	-20.41	Axle Load

61.61(R)	51.8	-3.03	N/A	30.01	Axle Load	-20.41	Axle Load
67.46(B)	56.7	-11.62	N/A	26.25	Axle Load	-24.50	Axle Load
71.40(B)	60.0	-17.40	N/A	23.52	Axle Load	-27.19	Axle Load
73.31(L)	61.6	-20.20	N/A	22.21	Axle Load	-28.50	Axle Load
73.31(R)	61.6	-20.28	N/A	22.21	Axle Load	-28.50	Axle Load
73.38(B)	61.7	-20.39	N/A	22.16	Axle Load	-28.56	Axle Load
73.46(L)	61.7	-20.50	N/A	22.10	Axle Load	-28.61	Axle Load
73.46(R)	61.7	-20.58	N/A	22.10	Axle Load	-28.61	Axle Load
79.31(B)	66.6	-29.16	N/A	18.39	Axle Load	-33.10	Axle Load
83.30(B)	70.0	-35.01	N/A	15.75	Axle Load	-35.91	Axle Load
85.16(L)	71.6	-37.74	N/A	14.54	Axle Load	-37.21	Axle Load
85.16(R)	71.6	-37.82	N/A	14.54	Axle Load	-37.21	Axle Load
85.23(B)	71.6	-37.93	N/A	14.50	Axle Load	-37.26	Axle Load
85.31(L)	71.7	-38.04	N/A	14.45	Axle Load	-37.31	Axle Load
85.31(R)	71.7	-38.12	N/A	14.45	Axle Load	-37.31	Axle Load
91.16(B)	76.6	-46.70	N/A	10.95	Axle Load	-41.89	Axle Load
95.20(B)	80.0	-52.63	N/A	8.56	Axle Load	-44.65	Axle Load
95.50(B)	80.3	-53.07	N/A	8.39	Axle Load	-44.85	Axle Load
97.01(L)	81.5	-55.29	N/A	7.53	Axle Load	-45.86	Axle Load
97.01(R)	81.5	-55.37	N/A	7.53	Axle Load	-45.86	Axle Load
97.08(B)	81.6	-55.48	N/A	7.49	Axle Load	-45.91	Axle Load
97.16(L)	81.6	-55.59	N/A	7.45	Axle Load	-45.96	Axle Load
97.16(R)	81.6	-55.67	N/A	7.45	Axle Load	-45.96	Axle Load
103.01(B)	86.6	-64.25	N/A	4.39	Axle Load	-50.37	Axle Load
106.00(B)	89.1	-68.64	N/A	2.91	Axle Load	-52.23	Axle Load
107.10(B)	90.0	-70.33	N/A	2.39	Axle Load	-52.89	Axle Load
108.86(L)	91.5	-73.04	N/A	1.57	Axle Load	-53.94	Axle Load
108.86(R)	91.5	-73.12	N/A	1.57	Axle Load	-53.94	Axle Load
108.93(B)	91.5	-73.24	N/A	1.54	Axle Load	-53.98	Axle Load
109.01(L)	91.6	-73.35	N/A	1.50	Axle Load	-54.03	Axle Load
109.01(R)	91.6	-73.43	N/A	1.50	Axle Load	-54.03	Axle Load
114.00(B)	95.8	-81.13	N/A	0.00	Axle Load	-57.57	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-60.18	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	90.65	N/A	61.04	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	56.90	Axle Load	0.00	Axle Load
1.86(L)	2.0	87.79	N/A	56.55	Axle Load	0.00	Axle Load
1.86(R)	2.0	87.71	N/A	56.55	Axle Load	0.00	Axle Load
2.03(B)	2.1	87.44	N/A	56.49	Axle Load	0.00	Axle Load

2.21(L)	2.3	87.17	N/A	56.42	Axle Load	0.00	Axle Load
2.21(R)	2.3	87.09	N/A	56.42	Axle Load	0.00	Axle Load
8.58(B)	9.0	77.26	N/A	53.86	Axle Load	-0.63	Axle Load
9.52(B)	10.0	75.81	N/A	53.46	Axle Load	-0.93	Axle Load
13.00(B)	13.6	70.46	N/A	51.88	Axle Load	-2.08	Axle Load
14.96(L)	15.7	67.58	N/A	50.96	Axle Load	-2.78	Axle Load
14.96(R)	15.7	67.50	N/A	50.96	Axle Load	-2.78	Axle Load
15.25(B)	16.0	67.08	N/A	50.82	Axle Load	-2.89	Axle Load
15.54(L)	16.3	66.65	N/A	50.68	Axle Load	-2.99	Axle Load
15.54(R)	16.3	66.57	N/A	50.68	Axle Load	-2.99	Axle Load
19.05(B)	20.0	61.42	N/A	48.91	Axle Load	-4.32	Axle Load
21.62(B)	22.7	57.65	N/A	47.55	Axle Load	-5.38	Axle Load
23.50(B)	24.7	54.89	N/A	46.52	Axle Load	-6.18	Axle Load
27.71(L)	29.1	48.72	N/A	44.12	Axle Load	-8.09	Axle Load
27.71(R)	29.1	48.64	N/A	44.12	Axle Load	-8.09	Axle Load
28.00(B)	29.4	48.21	N/A	43.95	Axle Load	-8.23	Axle Load
28.29(L)	29.7	47.79	N/A	43.78	Axle Load	-8.37	Axle Load
28.29(R)	29.7	47.71	N/A	43.78	Axle Load	-8.37	Axle Load
28.58(B)	30.0	47.29	N/A	43.61	Axle Load	-8.51	Axle Load
34.37(B)	36.1	38.78	N/A	40.07	Axle Load	-11.43	Axle Load
38.10(B)	40.0	33.32	N/A	37.68	Axle Load	-13.44	Axle Load
40.46(L)	42.5	29.85	N/A	36.12	Axle Load	-14.78	Axle Load
40.46(R)	42.5	29.77	N/A	36.12	Axle Load	-14.78	Axle Load
40.75(B)	42.8	29.35	N/A	35.93	Axle Load	-14.95	Axle Load
41.04(L)	43.1	28.92	N/A	35.73	Axle Load	-15.11	Axle Load
41.04(R)	43.1	28.84	N/A	35.73	Axle Load	-15.11	Axle Load
47.12(B)	49.5	19.92	N/A	31.55	Axle Load	-18.76	Axle Load
47.63(B)	50.0	19.18	N/A	31.30	Axle Load	-19.14	Axle Load
53.21(L)	55.9	10.99	N/A	27.54	Axle Load	-22.94	Axle Load
53.21(R)	55.9	10.91	N/A	27.54	Axle Load	-22.94	Axle Load
53.50(B)	56.2	10.48	N/A	27.32	Axle Load	-23.14	Axle Load
53.79(L)	56.5	10.06	N/A	27.10	Axle Load	-23.33	Axle Load
53.79(R)	56.5	9.98	N/A	27.10	Axle Load	-23.33	Axle Load
57.15(B)	60.0	5.05	N/A	24.59	Axle Load	-25.61	Axle Load
59.87(B)	62.9	1.05	N/A	22.52	Axle Load	-27.51	Axle Load
65.96(L)	69.2	-7.88	N/A	18.03	Axle Load	-32.28	Axle Load
65.96(R)	69.2	-7.96	N/A	18.03	Axle Load	-32.28	Axle Load
66.25(B)	69.6	-8.38	N/A	17.80	Axle Load	-32.49	Axle Load
66.54(L)	69.9	-8.81	N/A	17.57	Axle Load	-32.71	Axle Load
66.54(R)	69.9	-8.89	N/A	17.57	Axle Load	-32.71	Axle Load
66.68(B)	70.0	-9.09	N/A	17.46	Axle Load	-32.81	Axle Load
72.62(B)	76.2	-17.81	N/A	12.85	Axle Load	-37.77	Axle Load
76.20(B)	80.0	-23.06	N/A	9.91	Axle Load	-40.57	Axle Load

78.71(L)	82.6	-26.74	N/A	8.11	Axle Load	-42.56	Axle Load
78.71(R)	82.6	-26.82	N/A	8.11	Axle Load	-42.56	Axle Load
79.00(B)	82.9	-27.25	N/A	7.92	Axle Load	-42.80	Axle Load
79.29(L)	83.2	-27.67	N/A	7.74	Axle Load	-43.03	Axle Load
79.29(R)	83.2	-27.75	N/A	7.74	Axle Load	-43.03	Axle Load
85.37(B)	89.6	-36.68	N/A	5.73	Axle Load	-48.52	Axle Load
85.72(B)	90.0	-37.19	N/A	5.73	Axle Load	-48.81	Axle Load
91.46(L)	96.0	-45.61	N/A	5.80	Axle Load	-54.21	Axle Load
91.46(R)	96.0	-45.69	N/A	5.80	Axle Load	-54.21	Axle Load
91.75(B)	96.3	-46.11	N/A	5.80	Axle Load	-54.45	Axle Load
92.04(L)	96.6	-46.54	N/A	5.80	Axle Load	-54.70	Axle Load
92.04(R)	96.6	-46.62	N/A	5.80	Axle Load	-54.70	Axle Load
93.64(B)	98.3	-48.97	N/A	5.80	Axle Load	-56.05	Axle Load
95.25(L)	100.0	-51.33	N/A	5.80	Axle Load	-57.42	Axle Load

Note:

"N/A" indicates not applicable

*** indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: OH-5C1
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	60.85	Axle Load	-6.78	Axle Load
2	179.47	N/A	88.89	Axle Load	0.00	Axle Load
3	178.74	N/A	89.85	Axle Load	-10.22	Axle Load
4	179.48	N/A	89.26	Axle Load	0.00	Axle Load
5	51.33	N/A	64.64	Axle Load	-7.20	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: OH-5C1
Impact = ** %

Span 1

DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	-(LL+I) (kip-ft)

Location (ft)	Percent				Controlling Live Load		Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	139.44	Axle Load	-16.52	Axle Load
6.64(L)	7.0	308.14	N/A	261.33	Axle Load	-33.04	Axle Load
6.64(R)	7.0	308.14	N/A	261.33	Axle Load	-33.04	Axle Load
9.52(B)	10.0	421.44	N/A	353.42	Axle Load	-47.40	Axle Load
13.11(B)	13.8	545.33	N/A	450.35	Axle Load	-65.27	Axle Load
19.05(B)	20.0	708.73	N/A	589.47	Axle Load	-94.81	Axle Load
19.59(L)	20.6	721.01	N/A	601.29	Axle Load	-97.49	Axle Load
19.59(R)	20.6	721.01	N/A	601.29	Axle Load	-97.49	Axle Load
26.06(B)	27.4	834.15	N/A	710.69	Axle Load	-129.71	Axle Load
28.58(B)	30.0	861.47	N/A	737.61	Axle Load	-142.21	Axle Load
32.54(L)	34.2	885.78	N/A	763.53	Axle Load	-161.94	Axle Load
32.54(R)	34.2	885.78	N/A	763.53	Axle Load	-161.94	Axle Load
38.10(B)	40.0	880.13	N/A	778.37	Axle Load	-189.61	Axle Load
39.01(B)	41.0	874.86	N/A	777.43	Axle Load	-194.16	Axle Load
45.49(L)	47.8	802.44	N/A	744.58	Axle Load	-226.39	Axle Load
45.49(R)	47.8	802.44	N/A	744.58	Axle Load	-226.39	Axle Load
47.63(B)	50.0	764.72	N/A	741.63	Axle Load	-237.01	Axle Load
51.96(B)	54.6	667.47	N/A	722.88	Axle Load	-258.61	Axle Load
57.15(B)	60.0	515.02	N/A	671.00	Axle Load	-284.42	Axle Load
58.44(L)	61.4	470.99	N/A	654.65	Axle Load	-290.83	Axle Load
58.44(R)	61.4	470.99	N/A	654.65	Axle Load	-290.83	Axle Load
64.91(B)	68.2	211.97	N/A	549.03	Axle Load	-323.06	Axle Load
66.68(B)	70.0	130.91	N/A	513.19	Axle Load	-331.82	Axle Load
71.39(L)	74.9	-108.56	N/A	391.00	Axle Load	-344.49	Axle Load
71.39(R)	74.9	-108.56	N/A	391.00	Axle Load	-344.49	Axle Load
71.75(B)	75.3	-128.27	N/A	382.20	Axle Load	-346.23	Axle Load
76.20(B)	80.0	-387.28	N/A	265.58	Axle Load	-367.70	Axle Load
77.86(B)	81.7	-491.63	N/A	218.49	Axle Load	-375.73	Axle Load
82.25(B)	86.4	-786.02	N/A	87.32	Axle Load	-396.90	Axle Load
84.34(L)	88.5	-936.37	N/A	21.55	Axle Load	-406.98	Axle Load
84.34(R)	88.5	-936.37	N/A	21.55	Axle Load	-406.98	Axle Load
85.72(B)	90.0	-1040.00	N/A	0.00	Axle Load	-413.66	Axle Load
89.79(B)	94.3	-1361.49	N/A	0.00	Axle Load	-433.30	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-529.23	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load

0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-529.23	Axle Load
1.02(B)	0.9	-1742.59	N/A	0.00	Axle Load	-522.26	Axle Load
2.04(L)	1.7	-1654.31	N/A	0.00	Axle Load	-515.30	Axle Load
2.04(R)	1.7	-1654.31	N/A	0.00	Axle Load	-515.30	Axle Load
2.12(B)	1.8	-1647.03	N/A	0.00	Axle Load	-514.72	Axle Load
2.21(L)	1.9	-1639.76	N/A	0.00	Axle Load	-514.14	Axle Load
2.21(R)	1.9	-1639.76	N/A	0.00	Axle Load	-514.14	Axle Load
8.13(B)	6.8	-1160.99	N/A	0.00	Axle Load	-473.68	Axle Load
11.90(B)	10.0	-884.84	N/A	77.25	Axle Load	-447.96	Axle Load
13.00(B)	10.9	-808.29	N/A	109.19	Axle Load	-440.45	Axle Load
14.06(L)	11.8	-736.29	N/A	139.06	Axle Load	-433.22	Axle Load
14.06(R)	11.8	-736.29	N/A	139.06	Axle Load	-433.22	Axle Load
14.13(B)	11.9	-731.26	N/A	141.13	Axle Load	-432.70	Axle Load
14.21(L)	11.9	-726.24	N/A	143.20	Axle Load	-432.19	Axle Load
14.21(R)	11.9	-726.24	N/A	143.20	Axle Load	-432.19	Axle Load
20.06(B)	16.9	-360.52	N/A	293.29	Axle Load	-392.24	Axle Load
23.50(B)	19.7	-168.88	N/A	370.37	Axle Load	-368.75	Axle Load
23.80(B)	20.0	-152.99	N/A	376.61	Axle Load	-366.70	Axle Load
25.91(L)	21.8	-45.01	N/A	406.94	Axle Load	-342.74	Axle Load
25.91(R)	21.8	-45.01	N/A	406.94	Axle Load	-342.74	Axle Load
25.98(B)	21.8	-41.30	N/A	408.29	Axle Load	-342.24	Axle Load
26.06(L)	21.9	-37.59	N/A	409.64	Axle Load	-341.75	Axle Load
26.06(R)	21.9	-37.59	N/A	409.64	Axle Load	-341.75	Axle Load
31.91(B)	26.8	225.48	N/A	501.34	Axle Load	-302.88	Axle Load
35.70(B)	30.0	369.14	N/A	545.79	Axle Load	-277.70	Axle Load
37.76(L)	31.7	438.35	N/A	564.52	Axle Load	-264.01	Axle Load
37.76(R)	31.7	438.35	N/A	564.52	Axle Load	-264.01	Axle Load
37.83(B)	31.8	440.75	N/A	565.11	Axle Load	-263.52	Axle Load
37.91(L)	31.9	443.14	N/A	565.69	Axle Load	-263.02	Axle Load
37.91(R)	31.9	443.14	N/A	565.69	Axle Load	-263.02	Axle Load
43.76(B)	36.8	603.58	N/A	602.74	Axle Load	-224.15	Axle Load
47.60(B)	40.0	681.61	N/A	610.59	Axle Load	-198.64	Axle Load
49.61(L)	41.7	713.81	N/A	610.22	Axle Load	-185.29	Axle Load
49.61(R)	41.7	713.81	N/A	610.22	Axle Load	-185.29	Axle Load
49.68(B)	41.8	714.90	N/A	610.15	Axle Load	-184.79	Axle Load
49.76(L)	41.8	715.97	N/A	610.06	Axle Load	-184.29	Axle Load
49.76(R)	41.8	715.97	N/A	610.06	Axle Load	-184.29	Axle Load
55.61(B)	46.7	773.77	N/A	603.42	Axle Load	-145.43	Axle Load
59.50(B)	50.0	784.42	N/A	590.47	Axle Load	-119.58	Axle Load
61.46(L)	51.6	781.37	N/A	578.51	Axle Load	-106.56	Axle Load
61.46(R)	51.6	781.37	N/A	578.51	Axle Load	-106.56	Axle Load
61.53(B)	51.7	781.13	N/A	577.98	Axle Load	-106.06	Axle Load
61.61(L)	51.8	780.89	N/A	577.44	Axle Load	-105.56	Axle Load

61.61(R)	51.8	780.89	N/A	577.44	Axle Load	-105.56	Axle Load
67.46(B)	56.7	736.06	N/A	523.07	Axle Load	-66.70	Axle Load
71.40(B)	60.0	677.56	N/A	471.95	Axle Load	-40.52	Axle Load
73.31(L)	61.6	641.02	N/A	443.48	Axle Load	-27.83	Axle Load
73.31(R)	61.6	641.02	N/A	443.48	Axle Load	-27.83	Axle Load
73.38(B)	61.7	639.47	N/A	442.33	Axle Load	-27.33	Axle Load
73.46(L)	61.7	637.91	N/A	441.18	Axle Load	-26.84	Axle Load
73.46(R)	61.7	637.91	N/A	441.18	Axle Load	-26.84	Axle Load
79.31(B)	66.6	490.44	N/A	336.68	Axle Load	0.00	Axle Load
83.30(B)	70.0	361.03	N/A	262.02	Axle Load	-24.03	Axle Load
85.16(L)	71.6	292.76	N/A	236.92	Axle Load	-47.35	Axle Load
85.16(R)	71.6	292.76	N/A	236.92	Axle Load	-47.35	Axle Load
85.23(B)	71.6	289.89	N/A	235.89	Axle Load	-48.37	Axle Load
85.31(L)	71.7	287.02	N/A	234.86	Axle Load	-49.36	Axle Load
85.31(R)	71.7	287.02	N/A	234.86	Axle Load	-49.36	Axle Load
91.16(B)	76.6	36.91	N/A	155.07	Axle Load	-162.65	Axle Load
95.20(B)	80.0	-165.15	N/A	117.60	Axle Load	-267.54	Axle Load
95.50(B)	80.3	-181.11	N/A	119.59	Axle Load	-275.95	Axle Load
97.01(L)	81.5	-263.41	N/A	129.62	Axle Load	-318.89	Axle Load
97.01(R)	81.5	-263.41	N/A	129.62	Axle Load	-318.89	Axle Load
97.08(B)	81.6	-267.59	N/A	130.12	Axle Load	-321.12	Axle Load
97.16(L)	81.6	-271.78	N/A	130.62	Axle Load	-323.34	Axle Load
97.16(R)	81.6	-271.78	N/A	130.62	Axle Load	-323.34	Axle Load
103.01(B)	86.6	-624.52	N/A	169.48	Axle Load	-513.44	Axle Load
104.00(B)	87.4	-689.23	N/A	176.07	Axle Load	-547.90	Axle Load
107.10(B)	90.0	-901.36	N/A	196.66	Axle Load	-658.70	Axle Load
108.86(L)	91.5	-1028.35	N/A	208.35	Axle Load	-724.63	Axle Load
108.86(R)	91.5	-1028.35	N/A	208.35	Axle Load	-724.63	Axle Load
108.93(B)	91.5	-1033.88	N/A	208.85	Axle Load	-727.51	Axle Load
109.01(L)	91.6	-1039.41	N/A	209.35	Axle Load	-730.39	Axle Load
109.01(R)	91.6	-1039.41	N/A	209.35	Axle Load	-730.39	Axle Load
114.00(B)	95.8	-1427.90	N/A	242.53	Axle Load	-926.86	Axle Load
119.00(L)	100.0	-1854.85	N/A	275.72	Axle Load	-1136.09	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1854.80	N/A	275.57	Axle Load	-1135.37	Axle Load
0.93(B)	0.8	-1772.33	N/A	269.39	Axle Load	-1096.00	Axle Load
1.86(L)	1.6	-1691.19	N/A	263.22	Axle Load	-1056.99	Axle Load
1.86(R)	1.6	-1691.19	N/A	263.22	Axle Load	-1056.99	Axle Load
2.03(B)	1.7	-1676.08	N/A	262.06	Axle Load	-1049.66	Axle Load

2.21(L)	1.9	-1661.02	N/A	260.89	Axle Load	-1042.33	Axle Load
2.21(R)	1.9	-1661.02	N/A	260.89	Axle Load	-1042.33	Axle Load
8.13(B)	6.8	-1179.36	N/A	221.55	Axle Load	-801.89	Axle Load
11.90(B)	10.0	-901.36	N/A	196.55	Axle Load	-660.11	Axle Load
14.06(L)	11.8	-751.80	N/A	182.21	Axle Load	-580.81	Axle Load
14.06(R)	11.8	-751.80	N/A	182.21	Axle Load	-580.81	Axle Load
14.13(B)	11.9	-746.74	N/A	181.71	Axle Load	-578.13	Axle Load
14.21(L)	11.9	-741.69	N/A	181.22	Axle Load	-575.45	Axle Load
14.21(R)	11.9	-741.69	N/A	181.22	Axle Load	-575.45	Axle Load
15.00(B)	12.6	-689.04	N/A	175.97	Axle Load	-547.22	Axle Load
20.06(B)	16.9	-373.96	N/A	142.37	Axle Load	-377.78	Axle Load
23.50(B)	19.7	-181.15	N/A	119.53	Axle Load	-275.76	Axle Load
23.80(B)	20.0	-165.16	N/A	117.53	Axle Load	-267.29	Axle Load
25.91(L)	21.8	-56.46	N/A	129.54	Axle Load	-210.56	Axle Load
25.91(R)	21.8	-56.46	N/A	129.54	Axle Load	-210.56	Axle Load
25.98(B)	21.8	-52.72	N/A	130.56	Axle Load	-208.64	Axle Load
26.06(L)	21.9	-48.99	N/A	131.58	Axle Load	-206.72	Axle Load
26.06(R)	21.9	-48.99	N/A	131.58	Axle Load	-206.72	Axle Load
31.91(B)	26.8	216.08	N/A	210.89	Axle Load	-78.54	Axle Load
35.70(B)	30.0	361.02	N/A	261.13	Axle Load	-24.05	Axle Load
37.76(L)	31.7	430.94	N/A	297.25	Axle Load	-6.43	Axle Load
37.76(R)	31.7	430.94	N/A	297.25	Axle Load	-6.43	Axle Load
37.83(B)	31.8	433.36	N/A	298.79	Axle Load	-5.98	Axle Load
37.91(L)	31.9	435.77	N/A	300.33	Axle Load	-5.54	Axle Load
37.91(R)	31.9	435.77	N/A	300.33	Axle Load	-5.54	Axle Load
43.76(B)	36.8	598.20	N/A	411.42	Axle Load	-14.99	Axle Load
47.60(B)	40.0	677.54	N/A	472.59	Axle Load	-40.50	Axle Load
49.61(L)	41.7	710.43	N/A	499.89	Axle Load	-53.84	Axle Load
49.61(R)	41.7	710.43	N/A	499.89	Axle Load	-53.84	Axle Load
49.68(B)	41.8	711.53	N/A	500.83	Axle Load	-54.34	Axle Load
49.76(L)	41.8	712.63	N/A	501.75	Axle Load	-54.83	Axle Load
49.76(R)	41.8	712.63	N/A	501.75	Axle Load	-54.83	Axle Load
55.61(B)	46.7	772.43	N/A	563.55	Axle Load	-93.68	Axle Load
59.50(B)	50.0	784.39	N/A	589.71	Axle Load	-119.51	Axle Load
61.46(L)	51.6	782.01	N/A	598.53	Axle Load	-132.52	Axle Load
61.46(R)	51.6	782.01	N/A	598.53	Axle Load	-132.52	Axle Load
61.53(B)	51.7	781.80	N/A	598.80	Axle Load	-133.02	Axle Load
61.61(L)	51.8	781.59	N/A	599.06	Axle Load	-133.52	Axle Load
61.61(R)	51.8	781.59	N/A	599.06	Axle Load	-133.52	Axle Load
67.46(B)	56.7	738.74	N/A	606.36	Axle Load	-172.36	Axle Load
71.40(B)	60.0	681.58	N/A	611.26	Axle Load	-198.53	Axle Load
73.31(L)	61.6	645.69	N/A	608.57	Axle Load	-211.20	Axle Load
73.31(R)	61.6	645.69	N/A	608.57	Axle Load	-211.20	Axle Load

73.38(B)	61.7	644.17	N/A	608.39	Axle Load	-211.70	Axle Load
73.46(L)	61.7	642.63	N/A	608.22	Axle Load	-212.20	Axle Load
73.46(R)	61.7	642.63	N/A	608.22	Axle Load	-212.20	Axle Load
79.31(B)	66.6	497.15	N/A	579.13	Axle Load	-251.04	Axle Load
83.30(B)	70.0	369.10	N/A	545.25	Axle Load	-277.54	Axle Load
85.16(L)	71.6	301.46	N/A	525.52	Axle Load	-289.89	Axle Load
85.16(R)	71.6	301.46	N/A	525.52	Axle Load	-289.89	Axle Load
85.23(B)	71.6	298.62	N/A	524.68	Axle Load	-290.39	Axle Load
85.31(L)	71.7	295.77	N/A	523.83	Axle Load	-290.88	Axle Load
85.31(R)	71.7	295.77	N/A	523.83	Axle Load	-290.88	Axle Load
91.16(B)	76.6	47.65	N/A	440.82	Axle Load	-329.73	Axle Load
95.20(B)	80.0	-153.04	N/A	376.00	Axle Load	-366.49	Axle Load
95.50(B)	80.3	-168.89	N/A	369.89	Axle Load	-368.54	Axle Load
97.01(L)	81.5	-250.67	N/A	337.71	Axle Load	-378.84	Axle Load
97.01(R)	81.5	-250.67	N/A	337.71	Axle Load	-378.84	Axle Load
97.08(B)	81.6	-254.83	N/A	336.08	Axle Load	-379.35	Axle Load
97.16(L)	81.6	-258.99	N/A	334.44	Axle Load	-379.87	Axle Load
97.16(R)	81.6	-258.99	N/A	334.44	Axle Load	-379.87	Axle Load
103.01(B)	86.6	-609.75	N/A	191.89	Axle Load	-419.79	Axle Load
106.00(B)	89.1	-808.45	N/A	108.89	Axle Load	-440.20	Axle Load
107.10(B)	90.0	-884.89	N/A	76.46	Axle Load	-447.71	Axle Load
108.86(L)	91.5	-1011.02	N/A	24.28	Axle Load	-459.72	Axle Load
108.86(R)	91.5	-1011.02	N/A	24.28	Axle Load	-459.72	Axle Load
108.93(B)	91.5	-1016.50	N/A	22.01	Axle Load	-460.23	Axle Load
109.01(L)	91.6	-1022.00	N/A	19.74	Axle Load	-460.74	Axle Load
109.01(R)	91.6	-1022.00	N/A	19.74	Axle Load	-460.74	Axle Load
114.00(B)	95.8	-1408.06	N/A	0.00	Axle Load	-494.84	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-528.93	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-528.93	Axle Load
0.93(B)	1.0	-1748.95	N/A	0.00	Axle Load	-492.99	Axle Load
1.86(L)	2.0	-1666.67	N/A	0.00	Axle Load	-457.39	Axle Load
1.86(R)	2.0	-1666.67	N/A	0.00	Axle Load	-457.39	Axle Load
2.03(B)	2.1	-1651.34	N/A	0.00	Axle Load	-450.73	Axle Load
2.21(L)	2.3	-1636.07	N/A	0.00	Axle Load	-448.81	Axle Load
2.21(R)	2.3	-1636.07	N/A	0.00	Axle Load	-448.81	Axle Load
8.58(B)	9.0	-1112.19	N/A	0.00	Axle Load	-418.05	Axle Load
9.52(B)	10.0	-1040.20	N/A	0.00	Axle Load	-413.52	Axle Load
13.00(B)	13.6	-786.05	N/A	87.08	Axle Load	-396.75	Axle Load

14.96(L)	15.7	-650.81	N/A	146.89	Axle Load	-387.30	Axle Load
14.96(R)	15.7	-650.81	N/A	146.89	Axle Load	-387.30	Axle Load
15.25(B)	16.0	-631.30	N/A	155.70	Axle Load	-385.90	Axle Load
15.54(L)	16.3	-611.91	N/A	164.48	Axle Load	-384.50	Axle Load
15.54(R)	16.3	-611.91	N/A	164.48	Axle Load	-384.50	Axle Load
19.05(B)	20.0	-387.24	N/A	265.20	Axle Load	-367.57	Axle Load
21.62(B)	22.7	-233.97	N/A	334.55	Axle Load	-355.15	Axle Load
23.50(B)	24.7	-128.43	N/A	382.20	Axle Load	-346.10	Axle Load
27.71(L)	29.1	89.65	N/A	494.48	Axle Load	-336.01	Axle Load
27.71(R)	29.1	89.65	N/A	494.48	Axle Load	-336.01	Axle Load
28.00(B)	29.4	103.69	N/A	500.89	Axle Load	-334.57	Axle Load
28.29(L)	29.7	117.61	N/A	507.20	Axle Load	-333.12	Axle Load
28.29(R)	29.7	117.61	N/A	507.20	Axle Load	-333.12	Axle Load
28.58(B)	30.0	131.18	N/A	513.31	Axle Load	-331.70	Axle Load
34.37(B)	36.1	380.76	N/A	619.70	Axle Load	-302.85	Axle Load
38.10(B)	40.0	515.06	N/A	670.45	Axle Load	-284.32	Axle Load
40.46(L)	42.5	589.58	N/A	698.10	Axle Load	-272.58	Axle Load
40.46(R)	42.5	589.58	N/A	698.10	Axle Load	-272.58	Axle Load
40.75(B)	42.8	598.15	N/A	701.04	Axle Load	-271.14	Axle Load
41.04(L)	43.1	606.60	N/A	703.85	Axle Load	-269.69	Axle Load
41.04(R)	43.1	606.60	N/A	703.85	Axle Load	-269.69	Axle Load
47.12(B)	49.5	754.95	N/A	740.94	Axle Load	-239.42	Axle Load
47.63(B)	50.0	764.73	N/A	741.92	Axle Load	-236.93	Axle Load
53.21(L)	55.9	848.97	N/A	767.19	Axle Load	-209.15	Axle Load
53.21(R)	55.9	848.97	N/A	767.19	Axle Load	-209.15	Axle Load
53.50(B)	56.2	852.08	N/A	768.55	Axle Load	-207.71	Axle Load
53.79(L)	56.5	855.05	N/A	769.81	Axle Load	-206.26	Axle Load
53.79(R)	56.5	855.05	N/A	769.81	Axle Load	-206.26	Axle Load
57.15(B)	60.0	880.30	N/A	778.11	Axle Load	-189.54	Axle Load
59.87(B)	62.9	888.61	N/A	775.28	Axle Load	-175.99	Axle Load
65.96(L)	69.2	867.84	N/A	743.87	Axle Load	-145.72	Axle Load
65.96(R)	69.2	867.84	N/A	743.87	Axle Load	-145.72	Axle Load
66.25(B)	69.6	865.47	N/A	741.43	Axle Load	-144.28	Axle Load
66.54(L)	69.9	862.98	N/A	738.88	Axle Load	-142.83	Axle Load
66.54(R)	69.9	862.98	N/A	738.88	Axle Load	-142.83	Axle Load
66.68(B)	70.0	861.76	N/A	737.64	Axle Load	-142.16	Axle Load
72.62(B)	76.2	781.74	N/A	659.88	Axle Load	-112.56	Axle Load
76.20(B)	80.0	708.66	N/A	589.38	Axle Load	-94.77	Axle Load
78.71(L)	82.6	646.17	N/A	528.86	Axle Load	-82.29	Axle Load
78.71(R)	82.6	646.17	N/A	528.86	Axle Load	-82.29	Axle Load
79.00(B)	82.9	638.33	N/A	521.25	Axle Load	-80.85	Axle Load
79.29(L)	83.2	630.37	N/A	513.89	Axle Load	-79.40	Axle Load
79.29(R)	83.2	630.37	N/A	513.89	Axle Load	-79.40	Axle Load

85.37(B)	89.6	434.33	N/A	363.72	Axle Load	-49.13	Axle Load
85.72(B)	90.0	421.39	N/A	353.40	Axle Load	-47.39	Axle Load
91.46(L)	96.0	183.98	N/A	157.77	Axle Load	-18.86	Axle Load
91.46(R)	96.0	183.98	N/A	157.77	Axle Load	-18.86	Axle Load
91.75(B)	96.3	170.67	N/A	146.51	Axle Load	-17.42	Axle Load
92.04(L)	96.6	157.23	N/A	135.11	Axle Load	-15.97	Axle Load
92.04(R)	96.6	157.23	N/A	135.11	Axle Load	-15.97	Axle Load
93.64(B)	98.3	80.51	N/A	69.64	Axle Load	-7.99	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: OH-5C1
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	60.85	Axle Load	-6.78	Axle Load
3.32(B)	3.5	46.41	N/A	57.20	Axle Load	-6.78	Axle Load
6.64(L)	7.0	41.54	N/A	53.60	Axle Load	-6.78	Axle Load
6.64(R)	7.0	41.38	N/A	53.60	Axle Load	-6.78	Axle Load
9.52(B)	10.0	37.15	N/A	50.53	Axle Load	-6.78	Axle Load
13.11(B)	13.8	31.88	N/A	46.77	Axle Load	-6.78	Axle Load
19.05(B)	20.0	23.17	N/A	40.75	Axle Load	-8.58	Axle Load
19.59(L)	20.6	22.38	N/A	40.21	Axle Load	-8.85	Axle Load
19.59(R)	20.6	22.22	N/A	40.21	Axle Load	-8.85	Axle Load
26.06(B)	27.4	12.72	N/A	33.98	Axle Load	-12.02	Axle Load
28.58(B)	30.0	9.04	N/A	31.66	Axle Load	-13.23	Axle Load
32.54(L)	34.2	3.22	N/A	28.11	Axle Load	-15.13	Axle Load
32.54(R)	34.2	3.06	N/A	28.11	Axle Load	-15.13	Axle Load
38.10(B)	40.0	-5.09	N/A	23.41	Axle Load	-18.61	Axle Load
39.01(B)	41.0	-6.44	N/A	22.66	Axle Load	-19.20	Axle Load
45.49(L)	47.8	-15.93	N/A	17.64	Axle Load	-25.31	Axle Load

45.49(R)	47.8	-16.09	N/A	17.64	Axle Load	-25.31	Axle Load
47.63(B)	50.0	-19.23	N/A	16.14	Axle Load	-27.39	Axle Load
51.96(B)	54.6	-25.59	N/A	13.13	Axle Load	-31.58	Axle Load
57.15(B)	60.0	-33.20	N/A	9.88	Axle Load	-37.52	Axle Load
58.44(L)	61.4	-35.09	N/A	9.09	Axle Load	-38.90	Axle Load
58.44(R)	61.4	-35.25	N/A	9.09	Axle Load	-38.90	Axle Load
64.91(B)	68.2	-44.75	N/A	5.48	Axle Load	-46.24	Axle Load
66.68(B)	70.0	-47.34	N/A	4.56	Axle Load	-48.06	Axle Load
71.39(L)	74.9	-54.25	N/A	2.27	Axle Load	-52.81	Axle Load
71.39(R)	74.9	-54.41	N/A	2.27	Axle Load	-52.81	Axle Load
71.75(B)	75.3	-54.94	N/A	2.13	Axle Load	-53.80	Axle Load
76.20(B)	80.0	-61.47	N/A	0.23	Axle Load	-58.14	Axle Load
77.86(B)	81.7	-63.91	N/A	0.00	Axle Load	-59.71	Axle Load
82.25(B)	86.4	-70.35	N/A	0.00	Axle Load	-64.50	Axle Load
84.34(L)	88.5	-73.57	N/A	0.00	Axle Load	-66.36	Axle Load
84.34(R)	88.5	-73.73	N/A	0.00	Axle Load	-66.36	Axle Load
85.72(B)	90.0	-75.86	N/A	0.00	Axle Load	-67.58	Axle Load
89.79(B)	94.3	-82.13	N/A	0.00	Axle Load	-71.03	Axle Load
95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-76.26	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	72.37	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	67.26	Axle Load	0.00	Axle Load
2.04(L)	1.7	85.79	N/A	66.38	Axle Load	0.00	Axle Load
2.04(R)	1.7	85.71	N/A	66.38	Axle Load	0.00	Axle Load
2.12(B)	1.8	85.58	N/A	66.31	Axle Load	0.00	Axle Load
2.21(L)	1.9	85.45	N/A	66.24	Axle Load	0.00	Axle Load
2.21(R)	1.9	85.37	N/A	66.24	Axle Load	0.00	Axle Load
8.13(B)	6.8	76.24	N/A	61.02	Axle Load	0.00	Axle Load
11.90(B)	10.0	70.44	N/A	57.60	Axle Load	0.00	Axle Load
13.00(B)	10.9	68.74	N/A	56.59	Axle Load	0.00	Axle Load
14.06(L)	11.8	67.19	N/A	55.62	Axle Load	0.00	Axle Load
14.06(R)	11.8	67.11	N/A	55.62	Axle Load	0.00	Axle Load
14.13(B)	11.9	67.00	N/A	55.55	Axle Load	0.00	Axle Load
14.21(L)	11.9	66.89	N/A	55.48	Axle Load	0.00	Axle Load
14.21(R)	11.9	66.81	N/A	55.48	Axle Load	0.00	Axle Load
20.06(B)	16.9	58.22	N/A	50.02	Axle Load	-0.50	Axle Load
23.50(B)	19.7	53.18	N/A	46.79	Axle Load	-2.38	Axle Load
23.80(B)	20.0	52.74	N/A	46.51	Axle Load	-2.55	Axle Load
25.91(L)	21.8	49.64	N/A	44.53	Axle Load	-3.79	Axle Load

25.91(R)	21.8	49.56	N/A	44.53	Axle Load	-3.79	Axle Load
25.98(B)	21.8	49.45	N/A	44.46	Axle Load	-3.83	Axle Load
26.06(L)	21.9	49.34	N/A	44.39	Axle Load	-3.88	Axle Load
26.06(R)	21.9	49.26	N/A	44.39	Axle Load	-3.88	Axle Load
31.91(B)	26.8	40.68	N/A	38.93	Axle Load	-7.64	Axle Load
35.70(B)	30.0	35.12	N/A	35.47	Axle Load	-10.28	Axle Load
37.76(L)	31.7	32.10	N/A	33.62	Axle Load	-11.79	Axle Load
37.76(R)	31.7	32.02	N/A	33.62	Axle Load	-11.79	Axle Load
37.83(B)	31.8	31.91	N/A	33.55	Axle Load	-11.84	Axle Load
37.91(L)	31.9	31.80	N/A	33.49	Axle Load	-11.90	Axle Load
37.91(R)	31.9	31.72	N/A	33.49	Axle Load	-11.90	Axle Load
43.76(B)	36.8	23.13	N/A	28.39	Axle Load	-16.44	Axle Load
47.60(B)	40.0	17.50	N/A	25.23	Axle Load	-19.57	Axle Load
49.61(L)	41.7	14.55	N/A	23.63	Axle Load	-21.26	Axle Load
49.61(R)	41.7	14.47	N/A	23.63	Axle Load	-21.26	Axle Load
49.68(B)	41.8	14.36	N/A	23.57	Axle Load	-21.33	Axle Load
49.76(L)	41.8	14.25	N/A	23.51	Axle Load	-21.39	Axle Load
49.76(R)	41.8	14.17	N/A	23.51	Axle Load	-21.39	Axle Load
55.61(B)	46.7	5.59	N/A	19.13	Axle Load	-26.50	Axle Load
59.50(B)	50.0	-0.12	N/A	16.55	Axle Load	-30.09	Axle Load
61.46(L)	51.6	-2.99	N/A	15.30	Axle Load	-31.90	Axle Load
61.46(R)	51.6	-3.07	N/A	15.30	Axle Load	-31.90	Axle Load
61.53(B)	51.7	-3.18	N/A	15.25	Axle Load	-31.97	Axle Load
61.61(L)	51.8	-3.29	N/A	15.20	Axle Load	-32.04	Axle Load
61.61(R)	51.8	-3.37	N/A	15.20	Axle Load	-32.04	Axle Load
67.46(B)	56.7	-11.96	N/A	11.94	Axle Load	-37.88	Axle Load
71.40(B)	60.0	-17.74	N/A	9.97	Axle Load	-41.63	Axle Load
73.31(L)	61.6	-20.54	N/A	9.72	Axle Load	-43.45	Axle Load
73.31(R)	61.6	-20.62	N/A	9.72	Axle Load	-43.45	Axle Load
73.38(B)	61.7	-20.73	N/A	9.72	Axle Load	-43.52	Axle Load
73.46(L)	61.7	-20.84	N/A	9.72	Axle Load	-43.59	Axle Load
73.46(R)	61.7	-20.92	N/A	9.72	Axle Load	-43.59	Axle Load
79.31(B)	66.6	-29.50	N/A	9.85	Axle Load	-49.77	Axle Load
83.30(B)	70.0	-35.35	N/A	9.85	Axle Load	-53.54	Axle Load
85.16(L)	71.6	-38.08	N/A	9.85	Axle Load	-55.27	Axle Load
85.16(R)	71.6	-38.16	N/A	9.85	Axle Load	-55.27	Axle Load
85.23(B)	71.6	-38.27	N/A	9.85	Axle Load	-55.34	Axle Load
85.31(L)	71.7	-38.38	N/A	9.85	Axle Load	-55.40	Axle Load
85.31(R)	71.7	-38.46	N/A	9.85	Axle Load	-55.40	Axle Load
91.16(B)	76.6	-47.04	N/A	9.97	Axle Load	-61.45	Axle Load
95.20(B)	80.0	-52.97	N/A	9.97	Axle Load	-64.98	Axle Load
95.50(B)	80.3	-53.41	N/A	9.97	Axle Load	-65.23	Axle Load
97.01(L)	81.5	-55.63	N/A	9.97	Axle Load	-66.49	Axle Load

97.01(R)	81.5	-55.71	N/A	9.97	Axle Load	-66.49	Axle Load
97.08(B)	81.6	-55.82	N/A	9.97	Axle Load	-66.55	Axle Load
97.16(L)	81.6	-55.93	N/A	9.97	Axle Load	-66.61	Axle Load
97.16(R)	81.6	-56.01	N/A	9.97	Axle Load	-66.61	Axle Load
103.01(B)	86.6	-64.59	N/A	10.10	Axle Load	-72.13	Axle Load
104.00(B)	87.4	-66.04	N/A	10.10	Axle Load	-72.87	Axle Load
107.10(B)	90.0	-70.82	N/A	10.10	Axle Load	-75.14	Axle Load
108.86(L)	91.5	-73.53	N/A	10.10	Axle Load	-76.34	Axle Load
108.86(R)	91.5	-73.61	N/A	10.10	Axle Load	-76.34	Axle Load
108.93(B)	91.5	-73.73	N/A	10.10	Axle Load	-76.39	Axle Load
109.01(L)	91.6	-73.84	N/A	10.10	Axle Load	-76.44	Axle Load
109.01(R)	91.6	-73.92	N/A	10.10	Axle Load	-76.44	Axle Load
114.00(B)	95.8	-81.62	N/A	10.23	Axle Load	-80.61	Axle Load
119.00(L)	100.0	-89.32	N/A	10.23	Axle Load	-83.41	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	89.42	N/A	83.39	Axle Load	-10.22	Axle Load
0.93(B)	0.8	87.99	N/A	77.73	Axle Load	-9.59	Axle Load
1.86(L)	1.6	86.56	N/A	77.26	Axle Load	-9.59	Axle Load
1.86(R)	1.6	86.48	N/A	77.26	Axle Load	-9.59	Axle Load
2.03(B)	1.7	86.21	N/A	77.17	Axle Load	-9.59	Axle Load
2.21(L)	1.9	85.94	N/A	77.08	Axle Load	-9.59	Axle Load
2.21(R)	1.9	85.86	N/A	77.08	Axle Load	-9.59	Axle Load
8.13(B)	6.8	76.73	N/A	73.75	Axle Load	-9.59	Axle Load
11.90(B)	10.0	70.92	N/A	71.33	Axle Load	-9.59	Axle Load
14.06(L)	11.8	67.60	N/A	69.85	Axle Load	-9.59	Axle Load
14.06(R)	11.8	67.52	N/A	69.85	Axle Load	-9.59	Axle Load
14.13(B)	11.9	67.40	N/A	69.80	Axle Load	-9.59	Axle Load
14.21(L)	11.9	67.29	N/A	69.75	Axle Load	-9.59	Axle Load
14.21(R)	11.9	67.21	N/A	69.75	Axle Load	-9.59	Axle Load
15.00(B)	12.6	65.99	N/A	69.20	Axle Load	-9.59	Axle Load
20.06(B)	16.9	58.56	N/A	65.46	Axle Load	-9.59	Axle Load
23.50(B)	19.7	53.52	N/A	62.72	Axle Load	-9.59	Axle Load
23.80(B)	20.0	53.08	N/A	62.47	Axle Load	-9.59	Axle Load
25.91(L)	21.8	49.98	N/A	60.73	Axle Load	-9.59	Axle Load
25.91(R)	21.8	49.90	N/A	60.73	Axle Load	-9.59	Axle Load
25.98(B)	21.8	49.79	N/A	60.67	Axle Load	-9.59	Axle Load
26.06(L)	21.9	49.68	N/A	60.60	Axle Load	-9.59	Axle Load
26.06(R)	21.9	49.60	N/A	60.60	Axle Load	-9.59	Axle Load
31.91(B)	26.8	41.02	N/A	55.56	Axle Load	-9.59	Axle Load

35.70(B)	30.0	35.46	N/A	52.15	Axle Load	-9.59	Axle Load
37.76(L)	31.7	32.44	N/A	50.27	Axle Load	-9.59	Axle Load
37.76(R)	31.7	32.36	N/A	50.27	Axle Load	-9.59	Axle Load
37.83(B)	31.8	32.25	N/A	50.20	Axle Load	-9.59	Axle Load
37.91(L)	31.9	32.14	N/A	50.13	Axle Load	-9.59	Axle Load
37.91(R)	31.9	32.06	N/A	50.13	Axle Load	-9.59	Axle Load
43.76(B)	36.8	23.47	N/A	44.69	Axle Load	-9.59	Axle Load
47.60(B)	40.0	17.84	N/A	41.08	Axle Load	-9.82	Axle Load
49.61(L)	41.7	14.89	N/A	39.19	Axle Load	-10.79	Axle Load
49.61(R)	41.7	14.81	N/A	39.19	Axle Load	-10.79	Axle Load
49.68(B)	41.8	14.70	N/A	39.12	Axle Load	-10.83	Axle Load
49.76(L)	41.8	14.59	N/A	39.05	Axle Load	-10.87	Axle Load
49.76(R)	41.8	14.51	N/A	39.05	Axle Load	-10.87	Axle Load
55.61(B)	46.7	5.93	N/A	33.58	Axle Load	-14.07	Axle Load
59.50(B)	50.0	0.22	N/A	30.10	Axle Load	-16.52	Axle Load
61.46(L)	51.6	-2.65	N/A	28.32	Axle Load	-17.85	Axle Load
61.46(R)	51.6	-2.73	N/A	28.32	Axle Load	-17.85	Axle Load
61.53(B)	51.7	-2.84	N/A	28.25	Axle Load	-17.90	Axle Load
61.61(L)	51.8	-2.95	N/A	28.18	Axle Load	-17.95	Axle Load
61.61(R)	51.8	-3.03	N/A	28.18	Axle Load	-17.95	Axle Load
67.46(B)	56.7	-11.62	N/A	23.21	Axle Load	-22.43	Axle Load
71.40(B)	60.0	-17.40	N/A	19.83	Axle Load	-25.54	Axle Load
73.31(L)	61.6	-20.20	N/A	18.24	Axle Load	-27.13	Axle Load
73.31(R)	61.6	-20.28	N/A	18.24	Axle Load	-27.13	Axle Load
73.38(B)	61.7	-20.39	N/A	18.18	Axle Load	-27.19	Axle Load
73.46(L)	61.7	-20.50	N/A	18.12	Axle Load	-27.26	Axle Load
73.46(R)	61.7	-20.58	N/A	18.12	Axle Load	-27.26	Axle Load
79.31(B)	66.6	-29.16	N/A	13.59	Axle Load	-32.76	Axle Load
83.30(B)	70.0	-35.01	N/A	10.56	Axle Load	-36.40	Axle Load
85.16(L)	71.6	-37.74	N/A	9.21	Axle Load	-38.14	Axle Load
85.16(R)	71.6	-37.82	N/A	9.21	Axle Load	-38.14	Axle Load
85.23(B)	71.6	-37.93	N/A	9.15	Axle Load	-38.21	Axle Load
85.31(L)	71.7	-38.04	N/A	9.10	Axle Load	-38.28	Axle Load
85.31(R)	71.7	-38.12	N/A	9.10	Axle Load	-38.28	Axle Load
91.16(B)	76.6	-46.70	N/A	5.18	Axle Load	-44.42	Axle Load
95.20(B)	80.0	-52.63	N/A	2.65	Axle Load	-48.36	Axle Load
95.50(B)	80.3	-53.07	N/A	2.47	Axle Load	-48.66	Axle Load
97.01(L)	81.5	-55.29	N/A	1.60	Axle Load	-50.13	Axle Load
97.01(R)	81.5	-55.37	N/A	1.60	Axle Load	-50.13	Axle Load
97.08(B)	81.6	-55.48	N/A	1.55	Axle Load	-50.21	Axle Load
97.16(L)	81.6	-55.59	N/A	1.51	Axle Load	-50.28	Axle Load
97.16(R)	81.6	-55.67	N/A	1.51	Axle Load	-50.28	Axle Load
103.01(B)	86.6	-64.25	N/A	0.00	Axle Load	-56.69	Axle Load

106.00(B)	89.1	-68.64	N/A	0.00	Axle Load	-59.61	Axle Load
107.10(B)	90.0	-70.33	N/A	0.00	Axle Load	-60.67	Axle Load
108.86(L)	91.5	-73.04	N/A	0.00	Axle Load	-62.36	Axle Load
108.86(R)	91.5	-73.12	N/A	0.00	Axle Load	-62.36	Axle Load
108.93(B)	91.5	-73.24	N/A	0.00	Axle Load	-62.43	Axle Load
109.01(L)	91.6	-73.35	N/A	0.00	Axle Load	-62.51	Axle Load
109.01(R)	91.6	-73.43	N/A	0.00	Axle Load	-62.51	Axle Load
114.00(B)	95.8	-81.13	N/A	0.00	Axle Load	-68.06	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-72.67	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	90.65	N/A	76.58	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	71.11	Axle Load	0.00	Axle Load
1.86(L)	2.0	87.79	N/A	70.42	Axle Load	0.00	Axle Load
1.86(R)	2.0	87.71	N/A	70.42	Axle Load	0.00	Axle Load
2.03(B)	2.1	87.44	N/A	70.29	Axle Load	0.00	Axle Load
2.21(L)	2.3	87.17	N/A	70.16	Axle Load	0.00	Axle Load
2.21(R)	2.3	87.09	N/A	70.16	Axle Load	0.00	Axle Load
8.58(B)	9.0	77.26	N/A	65.15	Axle Load	0.00	Axle Load
9.52(B)	10.0	75.81	N/A	64.37	Axle Load	0.00	Axle Load
13.00(B)	13.6	70.46	N/A	61.44	Axle Load	0.00	Axle Load
14.96(L)	15.7	67.58	N/A	59.74	Axle Load	0.00	Axle Load
14.96(R)	15.7	67.50	N/A	59.74	Axle Load	0.00	Axle Load
15.25(B)	16.0	67.08	N/A	59.48	Axle Load	0.00	Axle Load
15.54(L)	16.3	66.65	N/A	59.22	Axle Load	0.00	Axle Load
15.54(R)	16.3	66.57	N/A	59.22	Axle Load	0.00	Axle Load
19.05(B)	20.0	61.42	N/A	56.06	Axle Load	-0.22	Axle Load
21.62(B)	22.7	57.65	N/A	53.65	Axle Load	-1.25	Axle Load
23.50(B)	24.7	54.89	N/A	51.87	Axle Load	-2.04	Axle Load
27.71(L)	29.1	48.72	N/A	47.75	Axle Load	-4.01	Axle Load
27.71(R)	29.1	48.64	N/A	47.75	Axle Load	-4.01	Axle Load
28.00(B)	29.4	48.21	N/A	47.46	Axle Load	-4.15	Axle Load
28.29(L)	29.7	47.79	N/A	47.18	Axle Load	-4.30	Axle Load
28.29(R)	29.7	47.71	N/A	47.18	Axle Load	-4.30	Axle Load
28.58(B)	30.0	47.29	N/A	46.89	Axle Load	-4.44	Axle Load
34.37(B)	36.1	38.78	N/A	40.98	Axle Load	-7.55	Axle Load
38.10(B)	40.0	33.32	N/A	37.07	Axle Load	-9.75	Axle Load
40.46(L)	42.5	29.85	N/A	34.54	Axle Load	-11.23	Axle Load
40.46(R)	42.5	29.77	N/A	34.54	Axle Load	-11.23	Axle Load
40.75(B)	42.8	29.35	N/A	34.23	Axle Load	-11.42	Axle Load

41.04(L)	43.1	28.92	N/A	33.91	Axle Load	-11.60	Axle Load
41.04(R)	43.1	28.84	N/A	33.91	Axle Load	-11.60	Axle Load
47.12(B)	49.5	19.92	N/A	27.77	Axle Load	-15.74	Axle Load
47.63(B)	50.0	19.18	N/A	27.39	Axle Load	-16.14	Axle Load
53.21(L)	55.9	10.99	N/A	22.32	Axle Load	-20.51	Axle Load
53.21(R)	55.9	10.91	N/A	22.32	Axle Load	-20.51	Axle Load
53.50(B)	56.2	10.48	N/A	22.04	Axle Load	-20.74	Axle Load
53.79(L)	56.5	10.06	N/A	21.76	Axle Load	-20.97	Axle Load
53.79(R)	56.5	9.98	N/A	21.76	Axle Load	-20.97	Axle Load
57.15(B)	60.0	5.05	N/A	18.84	Axle Load	-23.70	Axle Load
59.87(B)	62.9	1.05	N/A	17.06	Axle Load	-25.99	Axle Load
65.96(L)	69.2	-7.88	N/A	13.92	Axle Load	-31.79	Axle Load
65.96(R)	69.2	-7.96	N/A	13.92	Axle Load	-31.79	Axle Load
66.25(B)	69.6	-8.38	N/A	13.77	Axle Load	-32.05	Axle Load
66.54(L)	69.9	-8.81	N/A	13.63	Axle Load	-32.32	Axle Load
66.54(R)	69.9	-8.89	N/A	13.63	Axle Load	-32.32	Axle Load
66.68(B)	70.0	-9.09	N/A	13.56	Axle Load	-32.45	Axle Load
72.62(B)	76.2	-17.81	N/A	10.73	Axle Load	-38.63	Axle Load
76.20(B)	80.0	-23.06	N/A	8.90	Axle Load	-42.26	Axle Load
78.71(L)	82.6	-26.74	N/A	7.60	Axle Load	-44.88	Axle Load
78.71(R)	82.6	-26.82	N/A	7.60	Axle Load	-44.88	Axle Load
79.00(B)	82.9	-27.25	N/A	7.45	Axle Load	-45.18	Axle Load
79.29(L)	83.2	-27.67	N/A	7.30	Axle Load	-45.49	Axle Load
79.29(R)	83.2	-27.75	N/A	7.30	Axle Load	-45.49	Axle Load
85.37(B)	89.6	-36.68	N/A	7.11	Axle Load	-52.65	Axle Load
85.72(B)	90.0	-37.19	N/A	7.11	Axle Load	-53.04	Axle Load
91.46(L)	96.0	-45.61	N/A	7.20	Axle Load	-60.21	Axle Load
91.46(R)	96.0	-45.69	N/A	7.20	Axle Load	-60.21	Axle Load
91.75(B)	96.3	-46.11	N/A	7.20	Axle Load	-60.54	Axle Load
92.04(L)	96.6	-46.54	N/A	7.20	Axle Load	-60.88	Axle Load
92.04(R)	96.6	-46.62	N/A	7.20	Axle Load	-60.88	Axle Load
93.64(B)	98.3	-48.97	N/A	7.20	Axle Load	-62.75	Axle Load
95.25(L)	100.0	-51.33	N/A	7.20	Axle Load	-64.64	Axle Load

Note:

"N/A" indicates not applicable

***" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: SU4
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	54.59	Axle Load	-5.45	Axle Load
2	179.47	N/A	63.33	Axle Load	0.00	Axle Load
3	178.74	N/A	63.33	Axle Load	-8.31	Axle Load
4	179.48	N/A	63.59	Axle Load	0.00	Axle Load
5	51.33	N/A	57.99	Axle Load	-5.79	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: SU4
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	126.61	Axle Load	-13.29	Axle Load
6.64(L)	7.0	308.14	N/A	240.35	Axle Load	-26.58	Axle Load
6.64(R)	7.0	308.14	N/A	240.35	Axle Load	-26.58	Axle Load
9.52(B)	10.0	421.44	N/A	328.86	Axle Load	-38.13	Axle Load
13.11(B)	13.8	545.33	N/A	425.72	Axle Load	-52.50	Axle Load
19.05(B)	20.0	708.73	N/A	554.30	Axle Load	-76.26	Axle Load
19.59(L)	20.6	721.01	N/A	564.06	Axle Load	-78.42	Axle Load
19.59(R)	20.6	721.01	N/A	564.06	Axle Load	-78.42	Axle Load
26.06(B)	27.4	834.15	N/A	659.37	Axle Load	-104.34	Axle Load
28.58(B)	30.0	861.47	N/A	688.72	Axle Load	-114.39	Axle Load
32.54(L)	34.2	885.78	N/A	721.91	Axle Load	-130.27	Axle Load
32.54(R)	34.2	885.78	N/A	721.91	Axle Load	-130.27	Axle Load
38.10(B)	40.0	880.13	N/A	743.26	Axle Load	-152.53	Axle Load
39.01(B)	41.0	874.86	N/A	744.12	Axle Load	-156.19	Axle Load
45.49(L)	47.8	802.44	N/A	732.22	Axle Load	-182.11	Axle Load
45.49(R)	47.8	802.44	N/A	732.22	Axle Load	-182.11	Axle Load
47.63(B)	50.0	764.72	N/A	722.86	Axle Load	-190.66	Axle Load
51.96(B)	54.6	667.47	N/A	692.74	Axle Load	-208.03	Axle Load
57.15(B)	60.0	515.02	N/A	639.26	Axle Load	-228.79	Axle Load
58.44(L)	61.4	470.99	N/A	622.99	Axle Load	-233.95	Axle Load
58.44(R)	61.4	470.99	N/A	622.99	Axle Load	-233.95	Axle Load

64.91(B)	68.2	211.97	N/A	526.78	Axle Load	-259.87	Axle Load
66.68(B)	70.0	130.91	N/A	496.75	Axle Load	-266.92	Axle Load
71.39(L)	74.9	-108.56	N/A	397.66	Axle Load	-277.11	Axle Load
71.39(R)	74.9	-108.56	N/A	397.66	Axle Load	-277.11	Axle Load
71.75(B)	75.3	-128.27	N/A	390.89	Axle Load	-278.51	Axle Load
76.20(B)	80.0	-387.28	N/A	305.46	Axle Load	-295.78	Axle Load
77.86(B)	81.7	-491.63	N/A	271.78	Axle Load	-302.24	Axle Load
82.25(B)	86.4	-786.02	N/A	181.62	Axle Load	-319.27	Axle Load
84.34(L)	88.5	-936.37	N/A	138.08	Axle Load	-327.38	Axle Load
84.34(R)	88.5	-936.37	N/A	138.08	Axle Load	-327.38	Axle Load
85.72(B)	90.0	-1040.00	N/A	108.22	Axle Load	-332.76	Axle Load
89.79(B)	94.3	-1361.49	N/A	22.13	Axle Load	-348.55	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-429.16	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-429.16	Axle Load
1.02(B)	0.9	-1742.59	N/A	0.00	Axle Load	-423.51	Axle Load
2.04(L)	1.7	-1654.31	N/A	0.00	Axle Load	-417.86	Axle Load
2.04(R)	1.7	-1654.31	N/A	0.00	Axle Load	-417.86	Axle Load
2.12(B)	1.8	-1647.03	N/A	0.00	Axle Load	-417.39	Axle Load
2.21(L)	1.9	-1639.76	N/A	0.00	Axle Load	-416.92	Axle Load
2.21(R)	1.9	-1639.76	N/A	0.00	Axle Load	-416.92	Axle Load
8.13(B)	6.8	-1160.99	N/A	92.90	Axle Load	-384.11	Axle Load
11.90(B)	10.0	-884.84	N/A	172.14	Axle Load	-363.26	Axle Load
13.00(B)	10.9	-808.29	N/A	194.99	Axle Load	-357.17	Axle Load
14.06(L)	11.8	-736.29	N/A	216.48	Axle Load	-351.30	Axle Load
14.06(R)	11.8	-736.29	N/A	216.48	Axle Load	-351.30	Axle Load
14.13(B)	11.9	-731.26	N/A	217.97	Axle Load	-350.89	Axle Load
14.21(L)	11.9	-726.24	N/A	219.47	Axle Load	-350.47	Axle Load
14.21(R)	11.9	-726.24	N/A	219.47	Axle Load	-350.47	Axle Load
20.06(B)	16.9	-360.52	N/A	329.82	Axle Load	-318.08	Axle Load
23.50(B)	19.7	-168.88	N/A	388.21	Axle Load	-299.02	Axle Load
23.80(B)	20.0	-152.99	N/A	392.97	Axle Load	-297.36	Axle Load
25.91(L)	21.8	-45.01	N/A	414.74	Axle Load	-277.93	Axle Load
25.91(R)	21.8	-45.01	N/A	414.74	Axle Load	-277.93	Axle Load
25.98(B)	21.8	-41.30	N/A	415.84	Axle Load	-277.53	Axle Load
26.06(L)	21.9	-37.59	N/A	416.93	Axle Load	-277.13	Axle Load
26.06(R)	21.9	-37.59	N/A	416.93	Axle Load	-277.13	Axle Load
31.91(B)	26.8	225.48	N/A	493.08	Axle Load	-245.61	Axle Load
35.70(B)	30.0	369.14	N/A	531.70	Axle Load	-225.19	Axle Load

37.76(L)	31.7	438.35	N/A	549.52	Axle Load	-214.09	Axle Load
37.76(R)	31.7	438.35	N/A	549.52	Axle Load	-214.09	Axle Load
37.83(B)	31.8	440.75	N/A	550.10	Axle Load	-213.69	Axle Load
37.91(L)	31.9	443.14	N/A	550.68	Axle Load	-213.28	Axle Load
37.91(R)	31.9	443.14	N/A	550.68	Axle Load	-213.28	Axle Load
43.76(B)	36.8	603.58	N/A	584.75	Axle Load	-181.77	Axle Load
47.60(B)	40.0	681.61	N/A	594.76	Axle Load	-161.08	Axle Load
49.61(L)	41.7	713.81	N/A	596.68	Axle Load	-150.25	Axle Load
49.61(R)	41.7	713.81	N/A	596.68	Axle Load	-150.25	Axle Load
49.68(B)	41.8	714.90	N/A	596.68	Axle Load	-149.85	Axle Load
49.76(L)	41.8	715.97	N/A	596.69	Axle Load	-149.44	Axle Load
49.76(R)	41.8	715.97	N/A	596.69	Axle Load	-149.44	Axle Load
55.61(B)	46.7	773.77	N/A	589.33	Axle Load	-117.93	Axle Load
59.50(B)	50.0	784.42	N/A	573.21	Axle Load	-96.97	Axle Load
61.46(L)	51.6	781.37	N/A	561.51	Axle Load	-86.41	Axle Load
61.46(R)	51.6	781.37	N/A	561.51	Axle Load	-86.41	Axle Load
61.53(B)	51.7	781.13	N/A	561.00	Axle Load	-86.01	Axle Load
61.61(L)	51.8	780.89	N/A	560.49	Axle Load	-85.60	Axle Load
61.61(R)	51.8	780.89	N/A	560.49	Axle Load	-85.60	Axle Load
67.46(B)	56.7	736.06	N/A	511.85	Axle Load	-54.09	Axle Load
71.40(B)	60.0	677.56	N/A	469.16	Axle Load	-32.86	Axle Load
73.31(L)	61.6	641.02	N/A	445.82	Axle Load	-22.57	Axle Load
73.31(R)	61.6	641.02	N/A	445.82	Axle Load	-22.57	Axle Load
73.38(B)	61.7	639.47	N/A	444.85	Axle Load	-22.17	Axle Load
73.46(L)	61.7	637.91	N/A	443.88	Axle Load	-21.76	Axle Load
73.46(R)	61.7	637.91	N/A	443.88	Axle Load	-21.76	Axle Load
79.31(B)	66.6	490.44	N/A	363.22	Axle Load	-4.71	Axle Load
83.30(B)	70.0	361.03	N/A	302.76	Axle Load	-36.05	Axle Load
85.16(L)	71.6	292.76	N/A	273.44	Axle Load	-57.77	Axle Load
85.16(R)	71.6	292.76	N/A	273.44	Axle Load	-57.77	Axle Load
85.23(B)	71.6	289.89	N/A	272.22	Axle Load	-58.73	Axle Load
85.31(L)	71.7	287.02	N/A	271.00	Axle Load	-59.68	Axle Load
85.31(R)	71.7	287.02	N/A	271.00	Axle Load	-59.68	Axle Load
91.16(B)	76.6	36.91	N/A	184.77	Axle Load	-152.45	Axle Load
95.20(B)	80.0	-165.15	N/A	129.24	Axle Load	-233.16	Axle Load
95.50(B)	80.3	-181.11	N/A	125.57	Axle Load	-239.78	Axle Load
97.01(L)	81.5	-263.41	N/A	106.90	Axle Load	-273.14	Axle Load
97.01(R)	81.5	-263.41	N/A	106.90	Axle Load	-273.14	Axle Load
97.08(B)	81.6	-267.59	N/A	105.97	Axle Load	-274.85	Axle Load
97.16(L)	81.6	-271.78	N/A	105.92	Axle Load	-276.57	Axle Load
97.16(R)	81.6	-271.78	N/A	105.92	Axle Load	-276.57	Axle Load
103.01(B)	86.6	-624.52	N/A	137.44	Axle Load	-418.59	Axle Load
104.00(B)	87.4	-689.23	N/A	142.77	Axle Load	-444.12	Axle Load

107.10(B)	90.0	-901.36	N/A	159.47	Axle Load	-527.55	Axle Load
108.86(L)	91.5	-1028.35	N/A	168.95	Axle Load	-576.26	Axle Load
108.86(R)	91.5	-1028.35	N/A	168.95	Axle Load	-576.26	Axle Load
108.93(B)	91.5	-1033.88	N/A	169.36	Axle Load	-578.39	Axle Load
109.01(L)	91.6	-1039.41	N/A	169.76	Axle Load	-580.52	Axle Load
109.01(R)	91.6	-1039.41	N/A	169.76	Axle Load	-580.52	Axle Load
114.00(B)	95.8	-1427.90	N/A	196.67	Axle Load	-724.95	Axle Load
119.00(L)	100.0	-1854.85	N/A	223.58	Axle Load	-877.32	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1854.80	N/A	224.07	Axle Load	-877.07	Axle Load
0.93(B)	0.8	-1772.33	N/A	219.05	Axle Load	-848.33	Axle Load
1.86(L)	1.6	-1691.19	N/A	214.03	Axle Load	-819.59	Axle Load
1.86(R)	1.6	-1691.19	N/A	214.03	Axle Load	-819.59	Axle Load
2.03(B)	1.7	-1676.08	N/A	213.09	Axle Load	-814.21	Axle Load
2.21(L)	1.9	-1661.02	N/A	212.14	Axle Load	-808.84	Axle Load
2.21(R)	1.9	-1661.02	N/A	212.14	Axle Load	-808.84	Axle Load
8.13(B)	6.8	-1179.36	N/A	180.15	Axle Load	-633.56	Axle Load
11.90(B)	10.0	-901.36	N/A	159.82	Axle Load	-527.23	Axle Load
14.06(L)	11.8	-751.80	N/A	148.16	Axle Load	-469.00	Axle Load
14.06(R)	11.8	-751.80	N/A	148.16	Axle Load	-469.00	Axle Load
14.13(B)	11.9	-746.74	N/A	147.76	Axle Load	-467.00	Axle Load
14.21(L)	11.9	-741.69	N/A	147.35	Axle Load	-465.01	Axle Load
14.21(R)	11.9	-741.69	N/A	147.35	Axle Load	-465.01	Axle Load
15.00(B)	12.6	-689.04	N/A	143.09	Axle Load	-444.02	Axle Load
20.06(B)	16.9	-373.96	N/A	115.77	Axle Load	-318.17	Axle Load
23.50(B)	19.7	-181.15	N/A	125.88	Axle Load	-239.61	Axle Load
23.80(B)	20.0	-165.16	N/A	129.83	Axle Load	-233.24	Axle Load
25.91(L)	21.8	-56.46	N/A	158.02	Axle Load	-189.59	Axle Load
25.91(R)	21.8	-56.46	N/A	158.02	Axle Load	-189.59	Axle Load
25.98(B)	21.8	-52.72	N/A	159.04	Axle Load	-188.08	Axle Load
26.06(L)	21.9	-48.99	N/A	160.05	Axle Load	-186.56	Axle Load
26.06(R)	21.9	-48.99	N/A	160.05	Axle Load	-186.56	Axle Load
31.91(B)	26.8	216.08	N/A	243.09	Axle Load	-84.44	Axle Load
35.70(B)	30.0	361.02	N/A	302.23	Axle Load	-35.95	Axle Load
37.76(L)	31.7	430.94	N/A	334.62	Axle Load	-17.04	Axle Load
37.76(R)	31.7	430.94	N/A	334.62	Axle Load	-17.04	Axle Load
37.83(B)	31.8	433.36	N/A	335.76	Axle Load	-16.47	Axle Load
37.91(L)	31.9	435.77	N/A	336.90	Axle Load	-15.89	Axle Load
37.91(R)	31.9	435.77	N/A	336.90	Axle Load	-15.89	Axle Load

43.76(B)	36.8	598.20	N/A	420.68	Axle Load	-12.19	Axle Load
47.60(B)	40.0	677.54	N/A	468.76	Axle Load	-32.93	Axle Load
49.61(L)	41.7	710.43	N/A	492.03	Axle Load	-43.78	Axle Load
49.61(R)	41.7	710.43	N/A	492.03	Axle Load	-43.78	Axle Load
49.68(B)	41.8	711.53	N/A	492.84	Axle Load	-44.18	Axle Load
49.76(L)	41.8	712.63	N/A	493.65	Axle Load	-44.59	Axle Load
49.76(R)	41.8	712.63	N/A	493.65	Axle Load	-44.59	Axle Load
55.61(B)	46.7	772.43	N/A	547.77	Axle Load	-76.17	Axle Load
59.50(B)	50.0	784.39	N/A	572.90	Axle Load	-97.18	Axle Load
61.46(L)	51.6	782.01	N/A	582.65	Axle Load	-107.76	Axle Load
61.46(R)	51.6	782.01	N/A	582.65	Axle Load	-107.76	Axle Load
61.53(B)	51.7	781.80	N/A	582.96	Axle Load	-108.16	Axle Load
61.61(L)	51.8	781.59	N/A	583.27	Axle Load	-108.57	Axle Load
61.61(R)	51.8	781.59	N/A	583.27	Axle Load	-108.57	Axle Load
67.46(B)	56.7	738.74	N/A	596.00	Axle Load	-140.15	Axle Load
71.40(B)	60.0	681.58	N/A	595.03	Axle Load	-161.43	Axle Load
73.31(L)	61.6	645.69	N/A	591.12	Axle Load	-171.74	Axle Load
73.31(R)	61.6	645.69	N/A	591.12	Axle Load	-171.74	Axle Load
73.38(B)	61.7	644.17	N/A	590.90	Axle Load	-172.14	Axle Load
73.46(L)	61.7	642.63	N/A	590.68	Axle Load	-172.55	Axle Load
73.46(R)	61.7	642.63	N/A	590.68	Axle Load	-172.55	Axle Load
79.31(B)	66.6	497.15	N/A	563.26	Axle Load	-204.13	Axle Load
83.30(B)	70.0	369.10	N/A	532.00	Axle Load	-225.68	Axle Load
85.16(L)	71.6	301.46	N/A	513.99	Axle Load	-235.72	Axle Load
85.16(R)	71.6	301.46	N/A	513.99	Axle Load	-235.72	Axle Load
85.23(B)	71.6	298.62	N/A	513.20	Axle Load	-236.12	Axle Load
85.31(L)	71.7	295.77	N/A	512.41	Axle Load	-236.53	Axle Load
85.31(R)	71.7	295.77	N/A	512.41	Axle Load	-236.53	Axle Load
91.16(B)	76.6	47.65	N/A	441.94	Axle Load	-268.11	Axle Load
95.20(B)	80.0	-153.04	N/A	393.36	Axle Load	-298.01	Axle Load
95.50(B)	80.3	-168.89	N/A	388.56	Axle Load	-299.68	Axle Load
97.01(L)	81.5	-250.67	N/A	363.41	Axle Load	-308.05	Axle Load
97.01(R)	81.5	-250.67	N/A	363.41	Axle Load	-308.05	Axle Load
97.08(B)	81.6	-254.83	N/A	362.12	Axle Load	-308.47	Axle Load
97.16(L)	81.6	-258.99	N/A	360.82	Axle Load	-308.88	Axle Load
97.16(R)	81.6	-258.99	N/A	360.82	Axle Load	-308.88	Axle Load
103.01(B)	86.6	-609.75	N/A	254.16	Axle Load	-341.35	Axle Load
106.00(B)	89.1	-808.45	N/A	194.86	Axle Load	-357.95	Axle Load
107.10(B)	90.0	-884.89	N/A	172.41	Axle Load	-364.05	Axle Load
108.86(L)	91.5	-1011.02	N/A	135.50	Axle Load	-373.82	Axle Load
108.86(R)	91.5	-1011.02	N/A	135.50	Axle Load	-373.82	Axle Load
108.93(B)	91.5	-1016.50	N/A	133.88	Axle Load	-374.23	Axle Load
109.01(L)	91.6	-1022.00	N/A	132.26	Axle Load	-374.65	Axle Load

109.01(R)	91.6	-1022.00	N/A	132.26	Axle Load	-374.65	Axle Load
114.00(B)	95.8	-1408.06	N/A	24.24	Axle Load	-402.37	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-430.09	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-430.09	Axle Load
0.93(B)	1.0	-1748.95	N/A	0.00	Axle Load	-403.43	Axle Load
1.86(L)	2.0	-1666.67	N/A	0.00	Axle Load	-377.31	Axle Load
1.86(R)	2.0	-1666.67	N/A	0.00	Axle Load	-377.31	Axle Load
2.03(B)	2.1	-1651.34	N/A	0.00	Axle Load	-372.47	Axle Load
2.21(L)	2.3	-1636.07	N/A	0.00	Axle Load	-367.64	Axle Load
2.21(R)	2.3	-1636.07	N/A	0.00	Axle Load	-367.64	Axle Load
8.58(B)	9.0	-1112.19	N/A	89.00	Axle Load	-336.56	Axle Load
9.52(B)	10.0	-1040.20	N/A	108.93	Axle Load	-332.90	Axle Load
13.00(B)	13.6	-786.05	N/A	181.43	Axle Load	-319.41	Axle Load
14.96(L)	15.7	-650.81	N/A	222.06	Axle Load	-311.80	Axle Load
14.96(R)	15.7	-650.81	N/A	222.06	Axle Load	-311.80	Axle Load
15.25(B)	16.0	-631.30	N/A	228.10	Axle Load	-310.67	Axle Load
15.54(L)	16.3	-611.91	N/A	234.12	Axle Load	-309.55	Axle Load
15.54(R)	16.3	-611.91	N/A	234.12	Axle Load	-309.55	Axle Load
19.05(B)	20.0	-387.24	N/A	304.85	Axle Load	-295.92	Axle Load
21.62(B)	22.7	-233.97	N/A	355.47	Axle Load	-285.92	Axle Load
23.50(B)	24.7	-128.43	N/A	390.79	Axle Load	-278.63	Axle Load
27.71(L)	29.1	89.65	N/A	481.41	Axle Load	-270.51	Axle Load
27.71(R)	29.1	89.65	N/A	481.41	Axle Load	-270.51	Axle Load
28.00(B)	29.4	103.69	N/A	486.64	Axle Load	-269.34	Axle Load
28.29(L)	29.7	117.61	N/A	491.81	Axle Load	-268.18	Axle Load
28.29(R)	29.7	117.61	N/A	491.81	Axle Load	-268.18	Axle Load
28.58(B)	30.0	131.18	N/A	496.85	Axle Load	-267.04	Axle Load
34.37(B)	36.1	380.76	N/A	589.28	Axle Load	-243.81	Axle Load
38.10(B)	40.0	515.06	N/A	638.74	Axle Load	-228.89	Axle Load
40.46(L)	42.5	589.58	N/A	665.70	Axle Load	-219.44	Axle Load
40.46(R)	42.5	589.58	N/A	665.70	Axle Load	-219.44	Axle Load
40.75(B)	42.8	598.15	N/A	668.75	Axle Load	-218.28	Axle Load
41.04(L)	43.1	606.60	N/A	671.71	Axle Load	-217.12	Axle Load
41.04(R)	43.1	606.60	N/A	671.71	Axle Load	-217.12	Axle Load
47.12(B)	49.5	754.95	N/A	720.38	Axle Load	-192.75	Axle Load
47.63(B)	50.0	764.73	N/A	723.13	Axle Load	-190.74	Axle Load
53.21(L)	55.9	848.97	N/A	741.17	Axle Load	-168.38	Axle Load
53.21(R)	55.9	848.97	N/A	741.17	Axle Load	-168.38	Axle Load

53.50(B)	56.2	852.08	N/A	741.79	Axle Load	-167.21	Axle Load
53.79(L)	56.5	855.05	N/A	742.33	Axle Load	-166.05	Axle Load
53.79(R)	56.5	855.05	N/A	742.33	Axle Load	-166.05	Axle Load
57.15(B)	60.0	880.30	N/A	743.29	Axle Load	-152.59	Axle Load
59.87(B)	62.9	888.61	N/A	736.52	Axle Load	-141.68	Axle Load
65.96(L)	69.2	867.84	N/A	695.92	Axle Load	-117.31	Axle Load
65.96(R)	69.2	867.84	N/A	695.92	Axle Load	-117.31	Axle Load
66.25(B)	69.6	865.47	N/A	693.06	Axle Load	-116.15	Axle Load
66.54(L)	69.9	862.98	N/A	690.11	Axle Load	-114.99	Axle Load
66.54(R)	69.9	862.98	N/A	690.11	Axle Load	-114.99	Axle Load
66.68(B)	70.0	861.76	N/A	688.70	Axle Load	-114.45	Axle Load
72.62(B)	76.2	781.74	N/A	613.29	Axle Load	-90.62	Axle Load
76.20(B)	80.0	708.66	N/A	554.25	Axle Load	-76.30	Axle Load
78.71(L)	82.6	646.17	N/A	504.66	Axle Load	-66.25	Axle Load
78.71(R)	82.6	646.17	N/A	504.66	Axle Load	-66.25	Axle Load
79.00(B)	82.9	638.33	N/A	498.48	Axle Load	-65.08	Axle Load
79.29(L)	83.2	630.37	N/A	492.21	Axle Load	-63.92	Axle Load
79.29(R)	83.2	630.37	N/A	492.21	Axle Load	-63.92	Axle Load
85.37(B)	89.6	434.33	N/A	338.97	Axle Load	-39.55	Axle Load
85.72(B)	90.0	421.39	N/A	328.87	Axle Load	-38.15	Axle Load
91.46(L)	96.0	183.98	N/A	143.52	Axle Load	-15.18	Axle Load
91.46(R)	96.0	183.98	N/A	143.52	Axle Load	-15.18	Axle Load
91.75(B)	96.3	170.67	N/A	133.13	Axle Load	-14.02	Axle Load
92.04(L)	96.6	157.23	N/A	122.65	Axle Load	-12.86	Axle Load
92.04(R)	96.6	157.23	N/A	122.65	Axle Load	-12.86	Axle Load
93.64(B)	98.3	80.51	N/A	62.83	Axle Load	-6.43	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

*** indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary

Live Load: SU4

Impact = ** %

Span 1

DC
(kip)

DW
(kip)

+(LL+I)
(kip)

-(LL+I)
(kip)

Location (ft)	Percent				Controlling Live Load		Controlling Live Load
0.00(R)	0.0	51.28	N/A	54.59	Axle Load	-5.45	Axle Load
3.32(B)	3.5	46.41	N/A	51.94	Axle Load	-5.45	Axle Load
6.64(L)	7.0	41.54	N/A	49.30	Axle Load	-5.45	Axle Load
6.64(R)	7.0	41.38	N/A	49.30	Axle Load	-5.45	Axle Load
9.52(B)	10.0	37.15	N/A	47.02	Axle Load	-5.45	Axle Load
13.11(B)	13.8	31.88	N/A	44.21	Axle Load	-6.23	Axle Load
19.05(B)	20.0	23.17	N/A	39.63	Axle Load	-10.08	Axle Load
19.59(L)	20.6	22.38	N/A	39.21	Axle Load	-10.51	Axle Load
19.59(R)	20.6	22.22	N/A	39.21	Axle Load	-10.51	Axle Load
26.06(B)	27.4	12.72	N/A	34.35	Axle Load	-15.60	Axle Load
28.58(B)	30.0	9.04	N/A	32.50	Axle Load	-17.55	Axle Load
32.54(L)	34.2	3.22	N/A	29.65	Axle Load	-20.60	Axle Load
32.54(R)	34.2	3.06	N/A	29.65	Axle Load	-20.60	Axle Load
38.10(B)	40.0	-5.09	N/A	25.77	Axle Load	-24.78	Axle Load
39.01(B)	41.0	-6.44	N/A	25.14	Axle Load	-25.46	Axle Load
45.49(L)	47.8	-15.93	N/A	20.86	Axle Load	-30.16	Axle Load
45.49(R)	47.8	-16.09	N/A	20.86	Axle Load	-30.16	Axle Load
47.63(B)	50.0	-19.23	N/A	19.56	Axle Load	-31.76	Axle Load
51.96(B)	54.6	-25.59	N/A	16.90	Axle Load	-34.77	Axle Load
57.15(B)	60.0	-33.20	N/A	14.01	Axle Load	-38.58	Axle Load
58.44(L)	61.4	-35.09	N/A	13.28	Axle Load	-39.42	Axle Load
58.44(R)	61.4	-35.25	N/A	13.28	Axle Load	-39.42	Axle Load
64.91(B)	68.2	-44.75	N/A	9.95	Axle Load	-44.02	Axle Load
66.68(B)	70.0	-47.34	N/A	9.06	Axle Load	-45.09	Axle Load
71.39(L)	74.9	-54.25	N/A	6.81	Axle Load	-47.84	Axle Load
71.39(R)	74.9	-54.41	N/A	6.81	Axle Load	-47.84	Axle Load
71.75(B)	75.3	-54.94	N/A	6.73	Axle Load	-48.63	Axle Load
76.20(B)	80.0	-61.47	N/A	4.78	Axle Load	-51.08	Axle Load
77.86(B)	81.7	-63.91	N/A	4.09	Axle Load	-51.95	Axle Load
82.25(B)	86.4	-70.35	N/A	2.45	Axle Load	-54.78	Axle Load
84.34(L)	88.5	-73.57	N/A	1.70	Axle Load	-55.77	Axle Load
84.34(R)	88.5	-73.73	N/A	1.70	Axle Load	-55.77	Axle Load
85.72(B)	90.0	-75.86	N/A	1.21	Axle Load	-56.41	Axle Load
89.79(B)	94.3	-82.13	N/A	0.00	Axle Load	-58.18	Axle Load
95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-61.04	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load

0.00(R)	0.0	88.94	N/A	60.25	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	56.24	Axle Load	0.00	Axle Load
2.04(L)	1.7	85.79	N/A	55.76	Axle Load	0.00	Axle Load
2.04(R)	1.7	85.71	N/A	55.76	Axle Load	0.00	Axle Load
2.12(B)	1.8	85.58	N/A	55.72	Axle Load	0.00	Axle Load
2.21(L)	1.9	85.45	N/A	55.68	Axle Load	0.00	Axle Load
2.21(R)	1.9	85.37	N/A	55.68	Axle Load	0.00	Axle Load
8.13(B)	6.8	76.24	N/A	52.67	Axle Load	-0.93	Axle Load
11.90(B)	10.0	70.44	N/A	50.59	Axle Load	-2.57	Axle Load
13.00(B)	10.9	68.74	N/A	49.96	Axle Load	-3.08	Axle Load
14.06(L)	11.8	67.19	N/A	49.35	Axle Load	-3.58	Axle Load
14.06(R)	11.8	67.11	N/A	49.35	Axle Load	-3.58	Axle Load
14.13(B)	11.9	67.00	N/A	49.31	Axle Load	-3.62	Axle Load
14.21(L)	11.9	66.89	N/A	49.27	Axle Load	-3.65	Axle Load
14.21(R)	11.9	66.81	N/A	49.27	Axle Load	-3.65	Axle Load
20.06(B)	16.9	58.22	N/A	45.74	Axle Load	-6.58	Axle Load
23.50(B)	19.7	53.18	N/A	43.56	Axle Load	-8.45	Axle Load
23.80(B)	20.0	52.74	N/A	43.36	Axle Load	-8.62	Axle Load
25.91(L)	21.8	49.64	N/A	42.00	Axle Load	-9.81	Axle Load
25.91(R)	21.8	49.56	N/A	42.00	Axle Load	-9.81	Axle Load
25.98(B)	21.8	49.45	N/A	41.95	Axle Load	-9.85	Axle Load
26.06(L)	21.9	49.34	N/A	41.90	Axle Load	-9.90	Axle Load
26.06(R)	21.9	49.26	N/A	41.90	Axle Load	-9.90	Axle Load
31.91(B)	26.8	40.68	N/A	38.01	Axle Load	-13.39	Axle Load
35.70(B)	30.0	35.12	N/A	35.43	Axle Load	-15.78	Axle Load
37.76(L)	31.7	32.10	N/A	34.02	Axle Load	-17.10	Axle Load
37.76(R)	31.7	32.02	N/A	34.02	Axle Load	-17.10	Axle Load
37.83(B)	31.8	31.91	N/A	33.97	Axle Load	-17.15	Axle Load
37.91(L)	31.9	31.80	N/A	33.92	Axle Load	-17.20	Axle Load
37.91(R)	31.9	31.72	N/A	33.92	Axle Load	-17.20	Axle Load
43.76(B)	36.8	23.13	N/A	29.91	Axle Load	-21.07	Axle Load
47.60(B)	40.0	17.50	N/A	27.29	Axle Load	-23.67	Axle Load
49.61(L)	41.7	14.55	N/A	25.93	Axle Load	-25.04	Axle Load
49.61(R)	41.7	14.47	N/A	25.93	Axle Load	-25.04	Axle Load
49.68(B)	41.8	14.36	N/A	25.88	Axle Load	-25.09	Axle Load
49.76(L)	41.8	14.25	N/A	25.83	Axle Load	-25.14	Axle Load
49.76(R)	41.8	14.17	N/A	25.83	Axle Load	-25.14	Axle Load
55.61(B)	46.7	5.59	N/A	21.94	Axle Load	-29.15	Axle Load
59.50(B)	50.0	-0.12	N/A	19.51	Axle Load	-31.92	Axle Load
61.46(L)	51.6	-2.99	N/A	18.27	Axle Load	-33.26	Axle Load
61.46(R)	51.6	-3.07	N/A	18.27	Axle Load	-33.26	Axle Load
61.53(B)	51.7	-3.18	N/A	18.22	Axle Load	-33.31	Axle Load
61.61(L)	51.8	-3.29	N/A	18.17	Axle Load	-33.36	Axle Load

61.61(R)	51.8	-3.37	N/A	18.17	Axle Load	-33.36	Axle Load
67.46(B)	56.7	-11.96	N/A	14.78	Axle Load	-37.65	Axle Load
71.40(B)	60.0	-17.74	N/A	12.54	Axle Load	-40.24	Axle Load
73.31(L)	61.6	-20.54	N/A	11.50	Axle Load	-41.47	Axle Load
73.31(R)	61.6	-20.62	N/A	11.50	Axle Load	-41.47	Axle Load
73.38(B)	61.7	-20.73	N/A	11.46	Axle Load	-41.51	Axle Load
73.46(L)	61.7	-20.84	N/A	11.42	Axle Load	-41.56	Axle Load
73.46(R)	61.7	-20.92	N/A	11.42	Axle Load	-41.56	Axle Load
79.31(B)	66.6	-29.50	N/A	8.57	Axle Load	-45.76	Axle Load
83.30(B)	70.0	-35.35	N/A	7.98	Axle Load	-48.11	Axle Load
85.16(L)	71.6	-38.08	N/A	7.98	Axle Load	-49.15	Axle Load
85.16(R)	71.6	-38.16	N/A	7.98	Axle Load	-49.15	Axle Load
85.23(B)	71.6	-38.27	N/A	7.98	Axle Load	-49.19	Axle Load
85.31(L)	71.7	-38.38	N/A	7.98	Axle Load	-49.23	Axle Load
85.31(R)	71.7	-38.46	N/A	7.98	Axle Load	-49.23	Axle Load
91.16(B)	76.6	-47.04	N/A	8.09	Axle Load	-52.96	Axle Load
95.20(B)	80.0	-52.97	N/A	8.09	Axle Load	-54.87	Axle Load
95.50(B)	80.3	-53.41	N/A	8.09	Axle Load	-55.00	Axle Load
97.01(L)	81.5	-55.63	N/A	8.09	Axle Load	-55.65	Axle Load
97.01(R)	81.5	-55.71	N/A	8.09	Axle Load	-55.65	Axle Load
97.08(B)	81.6	-55.82	N/A	8.09	Axle Load	-55.68	Axle Load
97.16(L)	81.6	-55.93	N/A	8.09	Axle Load	-55.72	Axle Load
97.16(R)	81.6	-56.01	N/A	8.09	Axle Load	-55.72	Axle Load
103.01(B)	86.6	-64.59	N/A	8.19	Axle Load	-58.68	Axle Load
104.00(B)	87.4	-66.04	N/A	8.19	Axle Load	-59.00	Axle Load
107.10(B)	90.0	-70.82	N/A	8.19	Axle Load	-59.95	Axle Load
108.86(L)	91.5	-73.53	N/A	8.19	Axle Load	-60.42	Axle Load
108.86(R)	91.5	-73.61	N/A	8.19	Axle Load	-60.42	Axle Load
108.93(B)	91.5	-73.73	N/A	8.19	Axle Load	-60.44	Axle Load
109.01(L)	91.6	-73.84	N/A	8.19	Axle Load	-60.46	Axle Load
109.01(R)	91.6	-73.92	N/A	8.19	Axle Load	-60.46	Axle Load
114.00(B)	95.8	-81.62	N/A	8.30	Axle Load	-62.32	Axle Load
119.00(L)	100.0	-89.32	N/A	8.30	Axle Load	-63.01	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	89.42	N/A	63.01	Axle Load	-8.31	Axle Load
0.93(B)	0.8	87.99	N/A	58.98	Axle Load	-7.79	Axle Load
1.86(L)	1.6	86.56	N/A	58.88	Axle Load	-7.79	Axle Load
1.86(R)	1.6	86.48	N/A	58.88	Axle Load	-7.79	Axle Load
2.03(B)	1.7	86.21	N/A	58.86	Axle Load	-7.79	Axle Load

2.21(L)	1.9	85.94	N/A	58.84	Axle Load	-7.79	Axle Load
2.21(R)	1.9	85.86	N/A	58.84	Axle Load	-7.79	Axle Load
8.13(B)	6.8	76.73	N/A	57.83	Axle Load	-7.79	Axle Load
11.90(B)	10.0	70.92	N/A	56.92	Axle Load	-7.79	Axle Load
14.06(L)	11.8	67.60	N/A	56.31	Axle Load	-7.79	Axle Load
14.06(R)	11.8	67.52	N/A	56.31	Axle Load	-7.79	Axle Load
14.13(B)	11.9	67.40	N/A	56.29	Axle Load	-7.79	Axle Load
14.21(L)	11.9	67.29	N/A	56.27	Axle Load	-7.79	Axle Load
14.21(R)	11.9	67.21	N/A	56.27	Axle Load	-7.79	Axle Load
15.00(B)	12.6	65.99	N/A	56.03	Axle Load	-7.79	Axle Load
20.06(B)	16.9	58.56	N/A	54.28	Axle Load	-7.79	Axle Load
23.50(B)	19.7	53.52	N/A	52.88	Axle Load	-7.79	Axle Load
23.80(B)	20.0	53.08	N/A	52.75	Axle Load	-7.79	Axle Load
25.91(L)	21.8	49.98	N/A	51.82	Axle Load	-7.79	Axle Load
25.91(R)	21.8	49.90	N/A	51.82	Axle Load	-7.79	Axle Load
25.98(B)	21.8	49.79	N/A	51.79	Axle Load	-7.79	Axle Load
26.06(L)	21.9	49.68	N/A	51.75	Axle Load	-7.79	Axle Load
26.06(R)	21.9	49.60	N/A	51.75	Axle Load	-7.79	Axle Load
31.91(B)	26.8	41.02	N/A	48.90	Axle Load	-7.79	Axle Load
35.70(B)	30.0	35.46	N/A	46.85	Axle Load	-7.79	Axle Load
37.76(L)	31.7	32.44	N/A	45.69	Axle Load	-7.79	Axle Load
37.76(R)	31.7	32.36	N/A	45.69	Axle Load	-7.79	Axle Load
37.83(B)	31.8	32.25	N/A	45.65	Axle Load	-7.79	Axle Load
37.91(L)	31.9	32.14	N/A	45.61	Axle Load	-7.79	Axle Load
37.91(R)	31.9	32.06	N/A	45.61	Axle Load	-7.79	Axle Load
43.76(B)	36.8	23.47	N/A	42.13	Axle Load	-10.34	Axle Load
47.60(B)	40.0	17.84	N/A	39.71	Axle Load	-12.38	Axle Load
49.61(L)	41.7	14.89	N/A	38.41	Axle Load	-13.49	Axle Load
49.61(R)	41.7	14.81	N/A	38.41	Axle Load	-13.49	Axle Load
49.68(B)	41.8	14.70	N/A	38.37	Axle Load	-13.53	Axle Load
49.76(L)	41.8	14.59	N/A	38.32	Axle Load	-13.57	Axle Load
49.76(R)	41.8	14.51	N/A	38.32	Axle Load	-13.57	Axle Load
55.61(B)	46.7	5.93	N/A	34.45	Axle Load	-17.01	Axle Load
59.50(B)	50.0	0.22	N/A	31.92	Axle Load	-19.50	Axle Load
61.46(L)	51.6	-2.65	N/A	30.58	Axle Load	-20.76	Axle Load
61.46(R)	51.6	-2.73	N/A	30.58	Axle Load	-20.76	Axle Load
61.53(B)	51.7	-2.84	N/A	30.53	Axle Load	-20.80	Axle Load
61.61(L)	51.8	-2.95	N/A	30.47	Axle Load	-20.85	Axle Load
61.61(R)	51.8	-3.03	N/A	30.47	Axle Load	-20.85	Axle Load
67.46(B)	56.7	-11.62	N/A	26.71	Axle Load	-24.96	Axle Load
71.40(B)	60.0	-17.40	N/A	23.99	Axle Load	-27.65	Axle Load
73.31(L)	61.6	-20.20	N/A	22.67	Axle Load	-28.97	Axle Load
73.31(R)	61.6	-20.28	N/A	22.67	Axle Load	-28.97	Axle Load

73.38(B)	61.7	-20.39	N/A	22.62	Axle Load	-29.02	Axle Load
73.46(L)	61.7	-20.50	N/A	22.57	Axle Load	-29.07	Axle Load
73.46(R)	61.7	-20.58	N/A	22.57	Axle Load	-29.07	Axle Load
79.31(B)	66.6	-29.16	N/A	18.85	Axle Load	-33.57	Axle Load
83.30(B)	70.0	-35.01	N/A	16.20	Axle Load	-36.38	Axle Load
85.16(L)	71.6	-37.74	N/A	14.99	Axle Load	-37.68	Axle Load
85.16(R)	71.6	-37.82	N/A	14.99	Axle Load	-37.68	Axle Load
85.23(B)	71.6	-37.93	N/A	14.94	Axle Load	-37.73	Axle Load
85.31(L)	71.7	-38.04	N/A	14.89	Axle Load	-37.78	Axle Load
85.31(R)	71.7	-38.12	N/A	14.89	Axle Load	-37.78	Axle Load
91.16(B)	76.6	-46.70	N/A	11.37	Axle Load	-42.35	Axle Load
95.20(B)	80.0	-52.63	N/A	8.96	Axle Load	-45.10	Axle Load
95.50(B)	80.3	-53.07	N/A	8.79	Axle Load	-45.30	Axle Load
97.01(L)	81.5	-55.29	N/A	7.92	Axle Load	-46.30	Axle Load
97.01(R)	81.5	-55.37	N/A	7.92	Axle Load	-46.30	Axle Load
97.08(B)	81.6	-55.48	N/A	7.88	Axle Load	-46.35	Axle Load
97.16(L)	81.6	-55.59	N/A	7.84	Axle Load	-46.40	Axle Load
97.16(R)	81.6	-55.67	N/A	7.84	Axle Load	-46.40	Axle Load
103.01(B)	86.6	-64.25	N/A	4.74	Axle Load	-50.79	Axle Load
106.00(B)	89.1	-68.64	N/A	3.25	Axle Load	-52.62	Axle Load
107.10(B)	90.0	-70.33	N/A	2.73	Axle Load	-53.29	Axle Load
108.86(L)	91.5	-73.04	N/A	1.89	Axle Load	-54.32	Axle Load
108.86(R)	91.5	-73.12	N/A	1.89	Axle Load	-54.32	Axle Load
108.93(B)	91.5	-73.24	N/A	1.86	Axle Load	-54.37	Axle Load
109.01(L)	91.6	-73.35	N/A	1.82	Axle Load	-54.41	Axle Load
109.01(R)	91.6	-73.43	N/A	1.82	Axle Load	-54.41	Axle Load
114.00(B)	95.8	-81.13	N/A	0.00	Axle Load	-57.92	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-60.50	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	90.65	N/A	61.28	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	57.13	Axle Load	0.00	Axle Load
1.86(L)	2.0	87.79	N/A	56.79	Axle Load	0.00	Axle Load
1.86(R)	2.0	87.71	N/A	56.79	Axle Load	0.00	Axle Load
2.03(B)	2.1	87.44	N/A	56.72	Axle Load	0.00	Axle Load
2.21(L)	2.3	87.17	N/A	56.66	Axle Load	0.00	Axle Load
2.21(R)	2.3	87.09	N/A	56.66	Axle Load	0.00	Axle Load
8.58(B)	9.0	77.26	N/A	54.14	Axle Load	-0.86	Axle Load
9.52(B)	10.0	75.81	N/A	53.74	Axle Load	-1.16	Axle Load
13.00(B)	13.6	70.46	N/A	52.18	Axle Load	-2.32	Axle Load

14.96(L)	15.7	67.58	N/A	51.27	Axle Load	-3.04	Axle Load
14.96(R)	15.7	67.50	N/A	51.27	Axle Load	-3.04	Axle Load
15.25(B)	16.0	67.08	N/A	51.13	Axle Load	-3.14	Axle Load
15.54(L)	16.3	66.65	N/A	50.99	Axle Load	-3.25	Axle Load
15.54(R)	16.3	66.57	N/A	50.99	Axle Load	-3.25	Axle Load
19.05(B)	20.0	61.42	N/A	49.25	Axle Load	-4.60	Axle Load
21.62(B)	22.7	57.65	N/A	47.89	Axle Load	-5.68	Axle Load
23.50(B)	24.7	54.89	N/A	46.88	Axle Load	-6.49	Axle Load
27.71(L)	29.1	48.72	N/A	44.50	Axle Load	-8.42	Axle Load
27.71(R)	29.1	48.64	N/A	44.50	Axle Load	-8.42	Axle Load
28.00(B)	29.4	48.21	N/A	44.33	Axle Load	-8.56	Axle Load
28.29(L)	29.7	47.79	N/A	44.16	Axle Load	-8.70	Axle Load
28.29(R)	29.7	47.71	N/A	44.16	Axle Load	-8.70	Axle Load
28.58(B)	30.0	47.29	N/A	44.00	Axle Load	-8.84	Axle Load
34.37(B)	36.1	38.78	N/A	40.49	Axle Load	-11.80	Axle Load
38.10(B)	40.0	33.32	N/A	38.11	Axle Load	-13.83	Axle Load
40.46(L)	42.5	29.85	N/A	36.56	Axle Load	-15.17	Axle Load
40.46(R)	42.5	29.77	N/A	36.56	Axle Load	-15.17	Axle Load
40.75(B)	42.8	29.35	N/A	36.36	Axle Load	-15.34	Axle Load
41.04(L)	43.1	28.92	N/A	36.17	Axle Load	-15.51	Axle Load
41.04(R)	43.1	28.84	N/A	36.17	Axle Load	-15.51	Axle Load
47.12(B)	49.5	19.92	N/A	32.02	Axle Load	-19.19	Axle Load
47.63(B)	50.0	19.18	N/A	31.77	Axle Load	-19.57	Axle Load
53.21(L)	55.9	10.99	N/A	28.02	Axle Load	-23.40	Axle Load
53.21(R)	55.9	10.91	N/A	28.02	Axle Load	-23.40	Axle Load
53.50(B)	56.2	10.48	N/A	27.81	Axle Load	-23.59	Axle Load
53.79(L)	56.5	10.06	N/A	27.60	Axle Load	-23.79	Axle Load
53.79(R)	56.5	9.98	N/A	27.60	Axle Load	-23.79	Axle Load
57.15(B)	60.0	5.05	N/A	25.09	Axle Load	-26.08	Axle Load
59.87(B)	62.9	1.05	N/A	23.02	Axle Load	-27.99	Axle Load
65.96(L)	69.2	-7.88	N/A	18.55	Axle Load	-32.78	Axle Load
65.96(R)	69.2	-7.96	N/A	18.55	Axle Load	-32.78	Axle Load
66.25(B)	69.6	-8.38	N/A	18.32	Axle Load	-33.00	Axle Load
66.54(L)	69.9	-8.81	N/A	18.09	Axle Load	-33.21	Axle Load
66.54(R)	69.9	-8.89	N/A	18.09	Axle Load	-33.21	Axle Load
66.68(B)	70.0	-9.09	N/A	17.99	Axle Load	-33.32	Axle Load
72.62(B)	76.2	-17.81	N/A	13.39	Axle Load	-38.29	Axle Load
76.20(B)	80.0	-23.06	N/A	10.46	Axle Load	-41.10	Axle Load
78.71(L)	82.6	-26.74	N/A	8.66	Axle Load	-43.10	Axle Load
78.71(R)	82.6	-26.82	N/A	8.66	Axle Load	-43.10	Axle Load
79.00(B)	82.9	-27.25	N/A	8.47	Axle Load	-43.33	Axle Load
79.29(L)	83.2	-27.67	N/A	8.29	Axle Load	-43.57	Axle Load
79.29(R)	83.2	-27.75	N/A	8.29	Axle Load	-43.57	Axle Load

85.37(B)	89.6	-36.68	N/A	5.73	Axle Load	-49.07	Axle Load
85.72(B)	90.0	-37.19	N/A	5.73	Axle Load	-49.36	Axle Load
91.46(L)	96.0	-45.61	N/A	5.79	Axle Load	-54.77	Axle Load
91.46(R)	96.0	-45.69	N/A	5.79	Axle Load	-54.77	Axle Load
91.75(B)	96.3	-46.11	N/A	5.79	Axle Load	-55.02	Axle Load
92.04(L)	96.6	-46.54	N/A	5.79	Axle Load	-55.26	Axle Load
92.04(R)	96.6	-46.62	N/A	5.79	Axle Load	-55.26	Axle Load
93.64(B)	98.3	-48.97	N/A	5.79	Axle Load	-56.62	Axle Load
95.25(L)	100.0	-51.33	N/A	5.79	Axle Load	-57.99	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: SU5
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	61.32	Axle Load	-6.21	Axle Load
2	179.47	N/A	72.54	Axle Load	0.00	Axle Load
3	178.74	N/A	72.57	Axle Load	-9.46	Axle Load
4	179.48	N/A	72.82	Axle Load	0.00	Axle Load
5	51.33	N/A	65.14	Axle Load	-6.59	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: SU5
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	142.08	Axle Load	-15.15	Axle Load
6.64(L)	7.0	308.14	N/A	269.44	Axle Load	-30.30	Axle Load

6.64(R)	7.0	308.14	N/A	269.44	Axle Load	-30.30	Axle Load
9.52(B)	10.0	421.44	N/A	368.34	Axle Load	-43.47	Axle Load
13.11(B)	13.8	545.33	N/A	476.25	Axle Load	-59.85	Axle Load
19.05(B)	20.0	708.73	N/A	618.70	Axle Load	-86.93	Axle Load
19.59(L)	20.6	721.01	N/A	629.48	Axle Load	-89.39	Axle Load
19.59(R)	20.6	721.01	N/A	629.48	Axle Load	-89.39	Axle Load
26.06(B)	27.4	834.15	N/A	741.37	Axle Load	-118.94	Axle Load
28.58(B)	30.0	861.47	N/A	773.03	Axle Load	-130.40	Axle Load
32.54(L)	34.2	885.78	N/A	808.52	Axle Load	-148.49	Axle Load
32.54(R)	34.2	885.78	N/A	808.52	Axle Load	-148.49	Axle Load
38.10(B)	40.0	880.13	N/A	829.48	Axle Load	-173.86	Axle Load
39.01(B)	41.0	874.86	N/A	829.79	Axle Load	-178.04	Axle Load
45.49(L)	47.8	802.44	N/A	815.04	Axle Load	-207.59	Axle Load
45.49(R)	47.8	802.44	N/A	815.04	Axle Load	-207.59	Axle Load
47.63(B)	50.0	764.72	N/A	805.67	Axle Load	-217.33	Axle Load
51.96(B)	54.6	667.47	N/A	773.78	Axle Load	-237.13	Axle Load
57.15(B)	60.0	515.02	N/A	714.44	Axle Load	-260.80	Axle Load
58.44(L)	61.4	470.99	N/A	696.52	Axle Load	-266.68	Axle Load
58.44(R)	61.4	470.99	N/A	696.52	Axle Load	-266.68	Axle Load
64.91(B)	68.2	211.97	N/A	587.92	Axle Load	-296.23	Axle Load
66.68(B)	70.0	130.91	N/A	553.91	Axle Load	-304.26	Axle Load
71.39(L)	74.9	-108.56	N/A	441.55	Axle Load	-315.88	Axle Load
71.39(R)	74.9	-108.56	N/A	441.55	Axle Load	-315.88	Axle Load
71.75(B)	75.3	-128.27	N/A	433.78	Axle Load	-317.47	Axle Load
76.20(B)	80.0	-387.28	N/A	334.80	Axle Load	-337.16	Axle Load
77.86(B)	81.7	-491.63	N/A	296.48	Axle Load	-344.53	Axle Load
82.25(B)	86.4	-786.02	N/A	191.96	Axle Load	-363.93	Axle Load
84.34(L)	88.5	-936.37	N/A	141.04	Axle Load	-373.18	Axle Load
84.34(R)	88.5	-936.37	N/A	141.04	Axle Load	-373.18	Axle Load
85.72(B)	90.0	-1040.00	N/A	106.81	Axle Load	-379.31	Axle Load
89.79(B)	94.3	-1361.49	N/A	6.21	Axle Load	-397.32	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-488.97	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-488.97	Axle Load
1.02(B)	0.9	-1742.59	N/A	0.00	Axle Load	-482.54	Axle Load
2.04(L)	1.7	-1654.31	N/A	0.00	Axle Load	-476.10	Axle Load
2.04(R)	1.7	-1654.31	N/A	0.00	Axle Load	-476.10	Axle Load
2.12(B)	1.8	-1647.03	N/A	0.00	Axle Load	-475.57	Axle Load
2.21(L)	1.9	-1639.76	N/A	0.00	Axle Load	-475.03	Axle Load

2.21(R)	1.9	-1639.76	N/A	0.00	Axle Load	-475.03	Axle Load
8.13(B)	6.8	-1160.99	N/A	90.42	Axle Load	-437.65	Axle Load
11.90(B)	10.0	-884.84	N/A	182.19	Axle Load	-413.89	Axle Load
13.00(B)	10.9	-808.29	N/A	208.14	Axle Load	-406.95	Axle Load
14.06(L)	11.8	-736.29	N/A	232.55	Axle Load	-400.26	Axle Load
14.06(R)	11.8	-736.29	N/A	232.55	Axle Load	-400.26	Axle Load
14.13(B)	11.9	-731.26	N/A	234.27	Axle Load	-399.79	Axle Load
14.21(L)	11.9	-726.24	N/A	235.99	Axle Load	-399.32	Axle Load
14.21(R)	11.9	-726.24	N/A	235.99	Axle Load	-399.32	Axle Load
20.06(B)	16.9	-360.52	N/A	363.00	Axle Load	-362.41	Axle Load
23.50(B)	19.7	-168.88	N/A	429.92	Axle Load	-340.70	Axle Load
23.80(B)	20.0	-152.99	N/A	435.30	Axle Load	-338.81	Axle Load
25.91(L)	21.8	-45.01	N/A	459.86	Axle Load	-316.67	Axle Load
25.91(R)	21.8	-45.01	N/A	459.86	Axle Load	-316.67	Axle Load
25.98(B)	21.8	-41.30	N/A	461.10	Axle Load	-316.21	Axle Load
26.06(L)	21.9	-37.59	N/A	462.35	Axle Load	-315.75	Axle Load
26.06(R)	21.9	-37.59	N/A	462.35	Axle Load	-315.75	Axle Load
31.91(B)	26.8	225.48	N/A	548.67	Axle Load	-279.84	Axle Load
35.70(B)	30.0	369.14	N/A	592.13	Axle Load	-256.57	Axle Load
37.76(L)	31.7	438.35	N/A	611.52	Axle Load	-243.93	Axle Load
37.76(R)	31.7	438.35	N/A	611.52	Axle Load	-243.93	Axle Load
37.83(B)	31.8	440.75	N/A	612.18	Axle Load	-243.47	Axle Load
37.91(L)	31.9	443.14	N/A	612.82	Axle Load	-243.01	Axle Load
37.91(R)	31.9	443.14	N/A	612.82	Axle Load	-243.01	Axle Load
43.76(B)	36.8	603.58	N/A	650.33	Axle Load	-207.10	Axle Load
47.60(B)	40.0	681.61	N/A	660.87	Axle Load	-183.53	Axle Load
49.61(L)	41.7	713.81	N/A	662.04	Axle Load	-171.19	Axle Load
49.61(R)	41.7	713.81	N/A	662.04	Axle Load	-171.19	Axle Load
49.68(B)	41.8	714.90	N/A	662.04	Axle Load	-170.73	Axle Load
49.76(L)	41.8	715.97	N/A	662.02	Axle Load	-170.27	Axle Load
49.76(R)	41.8	715.97	N/A	662.02	Axle Load	-170.27	Axle Load
55.61(B)	46.7	773.77	N/A	654.55	Axle Load	-134.36	Axle Load
59.50(B)	50.0	784.42	N/A	637.74	Axle Load	-110.48	Axle Load
61.46(L)	51.6	781.37	N/A	624.79	Axle Load	-98.45	Axle Load
61.46(R)	51.6	781.37	N/A	624.79	Axle Load	-98.45	Axle Load
61.53(B)	51.7	781.13	N/A	624.22	Axle Load	-97.99	Axle Load
61.61(L)	51.8	780.89	N/A	623.65	Axle Load	-97.53	Axle Load
61.61(R)	51.8	780.89	N/A	623.65	Axle Load	-97.53	Axle Load
67.46(B)	56.7	736.06	N/A	568.75	Axle Load	-61.62	Axle Load
71.40(B)	60.0	677.56	N/A	521.00	Axle Load	-37.44	Axle Load
73.31(L)	61.6	641.02	N/A	494.34	Axle Load	-25.72	Axle Load
73.31(R)	61.6	641.02	N/A	494.34	Axle Load	-25.72	Axle Load
73.38(B)	61.7	639.47	N/A	493.23	Axle Load	-25.26	Axle Load

73.46(L)	61.7	637.91	N/A	492.12	Axle Load	-24.79	Axle Load
73.46(R)	61.7	637.91	N/A	492.12	Axle Load	-24.79	Axle Load
79.31(B)	66.6	490.44	N/A	399.08	Axle Load	-4.88	Axle Load
83.30(B)	70.0	361.03	N/A	329.98	Axle Load	-40.24	Axle Load
85.16(L)	71.6	292.76	N/A	295.83	Axle Load	-64.59	Axle Load
85.16(R)	71.6	292.76	N/A	295.83	Axle Load	-64.59	Axle Load
85.23(B)	71.6	289.89	N/A	294.41	Axle Load	-65.71	Axle Load
85.31(L)	71.7	287.02	N/A	292.98	Axle Load	-66.83	Axle Load
85.31(R)	71.7	287.02	N/A	292.98	Axle Load	-66.83	Axle Load
91.16(B)	76.6	36.91	N/A	197.71	Axle Load	-172.46	Axle Load
95.20(B)	80.0	-165.15	N/A	137.60	Axle Load	-265.21	Axle Load
95.50(B)	80.3	-181.11	N/A	133.48	Axle Load	-272.65	Axle Load
97.01(L)	81.5	-263.41	N/A	119.76	Axle Load	-310.38	Axle Load
97.01(R)	81.5	-263.41	N/A	119.76	Axle Load	-310.38	Axle Load
97.08(B)	81.6	-267.59	N/A	120.22	Axle Load	-312.30	Axle Load
97.16(L)	81.6	-271.78	N/A	120.68	Axle Load	-314.21	Axle Load
97.16(R)	81.6	-271.78	N/A	120.68	Axle Load	-314.21	Axle Load
103.01(B)	86.6	-624.52	N/A	156.59	Axle Load	-476.11	Axle Load
104.00(B)	87.4	-689.23	N/A	162.67	Axle Load	-505.59	Axle Load
107.10(B)	90.0	-901.36	N/A	181.70	Axle Load	-601.10	Axle Load
108.86(L)	91.5	-1028.35	N/A	192.50	Axle Load	-656.62	Axle Load
108.86(R)	91.5	-1028.35	N/A	192.50	Axle Load	-656.62	Axle Load
108.93(B)	91.5	-1033.88	N/A	192.96	Axle Load	-659.00	Axle Load
109.01(L)	91.6	-1039.41	N/A	193.42	Axle Load	-661.39	Axle Load
109.01(R)	91.6	-1039.41	N/A	193.42	Axle Load	-661.39	Axle Load
114.00(B)	95.8	-1427.90	N/A	224.08	Axle Load	-826.75	Axle Load
119.00(L)	100.0	-1854.85	N/A	254.75	Axle Load	-1000.61	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1854.80	N/A	255.04	Axle Load	-1001.06	Axle Load
0.93(B)	0.8	-1772.33	N/A	249.32	Axle Load	-967.96	Axle Load
1.86(L)	1.6	-1691.19	N/A	243.61	Axle Load	-935.16	Axle Load
1.86(R)	1.6	-1691.19	N/A	243.61	Axle Load	-935.16	Axle Load
2.03(B)	1.7	-1676.08	N/A	242.53	Axle Load	-929.07	Axle Load
2.21(L)	1.9	-1661.02	N/A	241.46	Axle Load	-922.99	Axle Load
2.21(R)	1.9	-1661.02	N/A	241.46	Axle Load	-922.99	Axle Load
8.13(B)	6.8	-1179.36	N/A	205.05	Axle Load	-722.21	Axle Load
11.90(B)	10.0	-901.36	N/A	181.91	Axle Load	-600.79	Axle Load
14.06(L)	11.8	-751.80	N/A	168.64	Axle Load	-534.10	Axle Load
14.06(R)	11.8	-751.80	N/A	168.64	Axle Load	-534.10	Axle Load

14.13(B)	11.9	-746.74	N/A	168.18	Axle Load	-531.79	Axle Load
14.21(L)	11.9	-741.69	N/A	167.72	Axle Load	-529.48	Axle Load
14.21(R)	11.9	-741.69	N/A	167.72	Axle Load	-529.48	Axle Load
15.00(B)	12.6	-689.04	N/A	162.86	Axle Load	-505.82	Axle Load
20.06(B)	16.9	-373.96	N/A	131.77	Axle Load	-361.42	Axle Load
23.50(B)	19.7	-181.15	N/A	134.35	Axle Load	-272.32	Axle Load
23.80(B)	20.0	-165.16	N/A	138.60	Axle Load	-264.96	Axle Load
25.91(L)	21.8	-56.46	N/A	168.79	Axle Load	-214.88	Axle Load
25.91(R)	21.8	-56.46	N/A	168.79	Axle Load	-214.88	Axle Load
25.98(B)	21.8	-52.72	N/A	169.84	Axle Load	-213.19	Axle Load
26.06(L)	21.9	-48.99	N/A	170.90	Axle Load	-211.51	Axle Load
26.06(R)	21.9	-48.99	N/A	170.90	Axle Load	-211.51	Axle Load
31.91(B)	26.8	216.08	N/A	260.77	Axle Load	-95.14	Axle Load
35.70(B)	30.0	361.02	N/A	329.38	Axle Load	-40.10	Axle Load
37.76(L)	31.7	430.94	N/A	366.16	Axle Load	-18.52	Axle Load
37.76(R)	31.7	430.94	N/A	366.16	Axle Load	-18.52	Axle Load
37.83(B)	31.8	433.36	N/A	367.49	Axle Load	-17.91	Axle Load
37.91(L)	31.9	435.77	N/A	368.81	Axle Load	-17.30	Axle Load
37.91(R)	31.9	435.77	N/A	368.81	Axle Load	-17.30	Axle Load
43.76(B)	36.8	598.20	N/A	465.47	Axle Load	-13.88	Axle Load
47.60(B)	40.0	677.54	N/A	520.53	Axle Load	-37.48	Axle Load
49.61(L)	41.7	710.43	N/A	546.43	Axle Load	-49.83	Axle Load
49.61(R)	41.7	710.43	N/A	546.43	Axle Load	-49.83	Axle Load
49.68(B)	41.8	711.53	N/A	547.36	Axle Load	-50.29	Axle Load
49.76(L)	41.8	712.63	N/A	548.28	Axle Load	-50.75	Axle Load
49.76(R)	41.8	712.63	N/A	548.28	Axle Load	-50.75	Axle Load
55.61(B)	46.7	772.43	N/A	609.39	Axle Load	-86.70	Axle Load
59.50(B)	50.0	784.39	N/A	637.36	Axle Load	-110.61	Axle Load
61.46(L)	51.6	782.01	N/A	647.55	Axle Load	-122.65	Axle Load
61.46(R)	51.6	782.01	N/A	647.55	Axle Load	-122.65	Axle Load
61.53(B)	51.7	781.80	N/A	647.89	Axle Load	-123.11	Axle Load
61.61(L)	51.8	781.59	N/A	648.22	Axle Load	-123.57	Axle Load
61.61(R)	51.8	781.59	N/A	648.22	Axle Load	-123.57	Axle Load
67.46(B)	56.7	738.74	N/A	661.23	Axle Load	-159.52	Axle Load
71.40(B)	60.0	681.58	N/A	661.21	Axle Load	-183.74	Axle Load
73.31(L)	61.6	645.69	N/A	657.19	Axle Load	-195.47	Axle Load
73.31(R)	61.6	645.69	N/A	657.19	Axle Load	-195.47	Axle Load
73.38(B)	61.7	644.17	N/A	656.96	Axle Load	-195.93	Axle Load
73.46(L)	61.7	642.63	N/A	656.72	Axle Load	-196.39	Axle Load
73.46(R)	61.7	642.63	N/A	656.72	Axle Load	-196.39	Axle Load
79.31(B)	66.6	497.15	N/A	626.64	Axle Load	-232.34	Axle Load
83.30(B)	70.0	369.10	N/A	592.48	Axle Load	-256.86	Axle Load
85.16(L)	71.6	301.46	N/A	572.26	Axle Load	-268.29	Axle Load

85.16(R)	71.6	301.46	N/A	572.26	Axle Load	-268.29	Axle Load
85.23(B)	71.6	298.62	N/A	571.38	Axle Load	-268.75	Axle Load
85.31(L)	71.7	295.77	N/A	570.48	Axle Load	-269.21	Axle Load
85.31(R)	71.7	295.77	N/A	570.48	Axle Load	-269.21	Axle Load
91.16(B)	76.6	47.65	N/A	490.62	Axle Load	-305.16	Axle Load
95.20(B)	80.0	-153.04	N/A	435.73	Axle Load	-339.19	Axle Load
95.50(B)	80.3	-168.89	N/A	430.26	Axle Load	-341.09	Axle Load
97.01(L)	81.5	-250.67	N/A	401.51	Axle Load	-350.62	Axle Load
97.01(R)	81.5	-250.67	N/A	401.51	Axle Load	-350.62	Axle Load
97.08(B)	81.6	-254.83	N/A	400.02	Axle Load	-351.09	Axle Load
97.16(L)	81.6	-258.99	N/A	398.54	Axle Load	-351.57	Axle Load
97.16(R)	81.6	-258.99	N/A	398.54	Axle Load	-351.57	Axle Load
103.01(B)	86.6	-609.75	N/A	275.83	Axle Load	-388.52	Axle Load
106.00(B)	89.1	-808.45	N/A	208.36	Axle Load	-407.41	Axle Load
107.10(B)	90.0	-884.89	N/A	182.51	Axle Load	-414.36	Axle Load
108.86(L)	91.5	-1011.02	N/A	139.82	Axle Load	-425.47	Axle Load
108.86(R)	91.5	-1011.02	N/A	139.82	Axle Load	-425.47	Axle Load
108.93(B)	91.5	-1016.50	N/A	137.95	Axle Load	-425.94	Axle Load
109.01(L)	91.6	-1022.00	N/A	136.08	Axle Load	-426.42	Axle Load
109.01(R)	91.6	-1022.00	N/A	136.08	Axle Load	-426.42	Axle Load
114.00(B)	95.8	-1408.06	N/A	10.30	Axle Load	-457.97	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-489.52	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-489.52	Axle Load
0.93(B)	1.0	-1748.95	N/A	0.00	Axle Load	-459.41	Axle Load
1.86(L)	2.0	-1666.67	N/A	0.00	Axle Load	-429.55	Axle Load
1.86(R)	2.0	-1666.67	N/A	0.00	Axle Load	-429.55	Axle Load
2.03(B)	2.1	-1651.34	N/A	0.00	Axle Load	-423.96	Axle Load
2.21(L)	2.3	-1636.07	N/A	0.00	Axle Load	-418.37	Axle Load
2.21(R)	2.3	-1636.07	N/A	0.00	Axle Load	-418.37	Axle Load
8.58(B)	9.0	-1112.19	N/A	84.36	Axle Load	-382.98	Axle Load
9.52(B)	10.0	-1040.20	N/A	107.46	Axle Load	-378.82	Axle Load
13.00(B)	13.6	-786.05	N/A	191.98	Axle Load	-363.46	Axle Load
14.96(L)	15.7	-650.81	N/A	238.98	Axle Load	-354.80	Axle Load
14.96(R)	15.7	-650.81	N/A	238.98	Axle Load	-354.80	Axle Load
15.25(B)	16.0	-631.30	N/A	245.84	Axle Load	-353.52	Axle Load
15.54(L)	16.3	-611.91	N/A	252.69	Axle Load	-352.24	Axle Load
15.54(R)	16.3	-611.91	N/A	252.69	Axle Load	-352.24	Axle Load
19.05(B)	20.0	-387.24	N/A	334.39	Axle Load	-336.73	Axle Load

21.62(B)	22.7	-233.97	N/A	392.79	Axle Load	-325.35	Axle Load
23.50(B)	24.7	-128.43	N/A	433.56	Axle Load	-317.06	Axle Load
27.71(L)	29.1	89.65	N/A	536.61	Axle Load	-307.81	Axle Load
27.71(R)	29.1	89.65	N/A	536.61	Axle Load	-307.81	Axle Load
28.00(B)	29.4	103.69	N/A	542.48	Axle Load	-306.49	Axle Load
28.29(L)	29.7	117.61	N/A	548.28	Axle Load	-305.17	Axle Load
28.29(R)	29.7	117.61	N/A	548.28	Axle Load	-305.17	Axle Load
28.58(B)	30.0	131.18	N/A	553.92	Axle Load	-303.87	Axle Load
34.37(B)	36.1	380.76	N/A	658.76	Axle Load	-277.44	Axle Load
38.10(B)	40.0	515.06	N/A	714.08	Axle Load	-260.46	Axle Load
40.46(L)	42.5	589.58	N/A	744.01	Axle Load	-249.71	Axle Load
40.46(R)	42.5	589.58	N/A	744.01	Axle Load	-249.71	Axle Load
40.75(B)	42.8	598.15	N/A	747.36	Axle Load	-248.38	Axle Load
41.04(L)	43.1	606.60	N/A	750.64	Axle Load	-247.06	Axle Load
41.04(R)	43.1	606.60	N/A	750.64	Axle Load	-247.06	Axle Load
47.12(B)	49.5	754.95	N/A	803.09	Axle Load	-219.33	Axle Load
47.63(B)	50.0	764.73	N/A	805.87	Axle Load	-217.05	Axle Load
53.21(L)	55.9	848.97	N/A	825.05	Axle Load	-191.60	Axle Load
53.21(R)	55.9	848.97	N/A	825.05	Axle Load	-191.60	Axle Load
53.50(B)	56.2	852.08	N/A	825.91	Axle Load	-190.28	Axle Load
53.79(L)	56.5	855.05	N/A	826.67	Axle Load	-188.96	Axle Load
53.79(R)	56.5	855.05	N/A	826.67	Axle Load	-188.96	Axle Load
57.15(B)	60.0	880.30	N/A	829.37	Axle Load	-173.64	Axle Load
59.87(B)	62.9	888.61	N/A	823.33	Axle Load	-161.22	Axle Load
65.96(L)	69.2	867.84	N/A	780.79	Axle Load	-133.49	Axle Load
65.96(R)	69.2	867.84	N/A	780.79	Axle Load	-133.49	Axle Load
66.25(B)	69.6	865.47	N/A	777.76	Axle Load	-132.17	Axle Load
66.54(L)	69.9	862.98	N/A	774.62	Axle Load	-130.85	Axle Load
66.54(R)	69.9	862.98	N/A	774.62	Axle Load	-130.85	Axle Load
66.68(B)	70.0	861.76	N/A	773.11	Axle Load	-130.23	Axle Load
72.62(B)	76.2	781.74	N/A	685.63	Axle Load	-103.12	Axle Load
76.20(B)	80.0	708.66	N/A	618.63	Axle Load	-86.82	Axle Load
78.71(L)	82.6	646.17	N/A	563.79	Axle Load	-75.38	Axle Load
78.71(R)	82.6	646.17	N/A	563.79	Axle Load	-75.38	Axle Load
79.00(B)	82.9	638.33	N/A	556.94	Axle Load	-74.06	Axle Load
79.29(L)	83.2	630.37	N/A	550.00	Axle Load	-72.74	Axle Load
79.29(R)	83.2	630.37	N/A	550.00	Axle Load	-72.74	Axle Load
85.37(B)	89.6	434.33	N/A	379.63	Axle Load	-45.01	Axle Load
85.72(B)	90.0	421.39	N/A	368.36	Axle Load	-43.41	Axle Load
91.46(L)	96.0	183.98	N/A	161.04	Axle Load	-17.28	Axle Load
91.46(R)	96.0	183.98	N/A	161.04	Axle Load	-17.28	Axle Load
91.75(B)	96.3	170.67	N/A	149.40	Axle Load	-15.95	Axle Load
92.04(L)	96.6	157.23	N/A	137.65	Axle Load	-14.63	Axle Load

92.04(R)	96.6	157.23	N/A	137.65	Axle Load	-14.63	Axle Load
93.64(B)	98.3	80.51	N/A	70.55	Axle Load	-7.32	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary

Live Load: SU5

Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	61.32	Axle Load	-6.21	Axle Load
3.32(B)	3.5	46.41	N/A	58.29	Axle Load	-6.21	Axle Load
6.64(L)	7.0	41.54	N/A	55.27	Axle Load	-6.21	Axle Load
6.64(R)	7.0	41.38	N/A	55.27	Axle Load	-6.21	Axle Load
9.52(B)	10.0	37.15	N/A	52.66	Axle Load	-6.21	Axle Load
13.11(B)	13.8	31.88	N/A	49.46	Axle Load	-6.36	Axle Load
19.05(B)	20.0	23.17	N/A	44.23	Axle Load	-10.73	Axle Load
19.59(L)	20.6	22.38	N/A	43.76	Axle Load	-11.13	Axle Load
19.59(R)	20.6	22.22	N/A	43.76	Axle Load	-11.13	Axle Load
26.06(B)	27.4	12.72	N/A	38.22	Axle Load	-16.56	Axle Load
28.58(B)	30.0	9.04	N/A	36.12	Axle Load	-18.80	Axle Load
32.54(L)	34.2	3.22	N/A	32.88	Axle Load	-22.31	Axle Load
32.54(R)	34.2	3.06	N/A	32.88	Axle Load	-22.31	Axle Load
38.10(B)	40.0	-5.09	N/A	28.48	Axle Load	-27.14	Axle Load
39.01(B)	41.0	-6.44	N/A	27.77	Axle Load	-27.92	Axle Load
45.49(L)	47.8	-15.93	N/A	22.92	Axle Load	-33.36	Axle Load
45.49(R)	47.8	-16.09	N/A	22.92	Axle Load	-33.36	Axle Load
47.63(B)	50.0	-19.23	N/A	21.46	Axle Load	-35.21	Axle Load
51.96(B)	54.6	-25.59	N/A	18.45	Axle Load	-38.70	Axle Load
57.15(B)	60.0	-33.20	N/A	15.20	Axle Load	-43.11	Axle Load
58.44(L)	61.4	-35.09	N/A	14.38	Axle Load	-44.09	Axle Load
58.44(R)	61.4	-35.25	N/A	14.38	Axle Load	-44.09	Axle Load

64.91(B)	68.2	-44.75	N/A	10.65	Axle Load	-49.42	Axle Load
66.68(B)	70.0	-47.34	N/A	9.65	Axle Load	-50.66	Axle Load
71.39(L)	74.9	-54.25	N/A	7.14	Axle Load	-53.88	Axle Load
71.39(R)	74.9	-54.41	N/A	7.14	Axle Load	-53.88	Axle Load
71.75(B)	75.3	-54.94	N/A	7.04	Axle Load	-54.77	Axle Load
76.20(B)	80.0	-61.47	N/A	4.87	Axle Load	-57.65	Axle Load
77.86(B)	81.7	-63.91	N/A	4.11	Axle Load	-58.67	Axle Load
82.25(B)	86.4	-70.35	N/A	2.26	Axle Load	-61.97	Axle Load
84.34(L)	88.5	-73.57	N/A	1.43	Axle Load	-63.13	Axle Load
84.34(R)	88.5	-73.73	N/A	1.43	Axle Load	-63.13	Axle Load
85.72(B)	90.0	-75.86	N/A	0.89	Axle Load	-63.89	Axle Load
89.79(B)	94.3	-82.13	N/A	0.00	Axle Load	-65.99	Axle Load
95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-69.34	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	68.24	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	63.68	Axle Load	0.00	Axle Load
2.04(L)	1.7	85.79	N/A	63.10	Axle Load	0.00	Axle Load
2.04(R)	1.7	85.71	N/A	63.10	Axle Load	0.00	Axle Load
2.12(B)	1.8	85.58	N/A	63.06	Axle Load	0.00	Axle Load
2.21(L)	1.9	85.45	N/A	63.01	Axle Load	0.00	Axle Load
2.21(R)	1.9	85.37	N/A	63.01	Axle Load	0.00	Axle Load
8.13(B)	6.8	76.24	N/A	59.46	Axle Load	-0.47	Axle Load
11.90(B)	10.0	70.44	N/A	57.04	Axle Load	-2.28	Axle Load
13.00(B)	10.9	68.74	N/A	56.31	Axle Load	-2.85	Axle Load
14.06(L)	11.8	67.19	N/A	55.60	Axle Load	-3.40	Axle Load
14.06(R)	11.8	67.11	N/A	55.60	Axle Load	-3.40	Axle Load
14.13(B)	11.9	67.00	N/A	55.55	Axle Load	-3.44	Axle Load
14.21(L)	11.9	66.89	N/A	55.50	Axle Load	-3.48	Axle Load
14.21(R)	11.9	66.81	N/A	55.50	Axle Load	-3.48	Axle Load
20.06(B)	16.9	58.22	N/A	51.39	Axle Load	-6.76	Axle Load
23.50(B)	19.7	53.18	N/A	48.87	Axle Load	-8.84	Axle Load
23.80(B)	20.0	52.74	N/A	48.65	Axle Load	-9.02	Axle Load
25.91(L)	21.8	49.64	N/A	47.06	Axle Load	-10.37	Axle Load
25.91(R)	21.8	49.56	N/A	47.06	Axle Load	-10.37	Axle Load
25.98(B)	21.8	49.45	N/A	47.01	Axle Load	-10.42	Axle Load
26.06(L)	21.9	49.34	N/A	46.95	Axle Load	-10.47	Axle Load
26.06(R)	21.9	49.26	N/A	46.95	Axle Load	-10.47	Axle Load
31.91(B)	26.8	40.68	N/A	42.47	Axle Load	-14.40	Axle Load
35.70(B)	30.0	35.12	N/A	39.51	Axle Load	-17.08	Axle Load

37.76(L)	31.7	32.10	N/A	37.89	Axle Load	-18.59	Axle Load
37.76(R)	31.7	32.02	N/A	37.89	Axle Load	-18.59	Axle Load
37.83(B)	31.8	31.91	N/A	37.83	Axle Load	-18.65	Axle Load
37.91(L)	31.9	31.80	N/A	37.78	Axle Load	-18.70	Axle Load
37.91(R)	31.9	31.72	N/A	37.78	Axle Load	-18.70	Axle Load
43.76(B)	36.8	23.13	N/A	33.19	Axle Load	-23.09	Axle Load
47.60(B)	40.0	17.50	N/A	30.20	Axle Load	-26.04	Axle Load
49.61(L)	41.7	14.55	N/A	28.65	Axle Load	-27.61	Axle Load
49.61(R)	41.7	14.47	N/A	28.65	Axle Load	-27.61	Axle Load
49.68(B)	41.8	14.36	N/A	28.60	Axle Load	-27.67	Axle Load
49.76(L)	41.8	14.25	N/A	28.54	Axle Load	-27.73	Axle Load
49.76(R)	41.8	14.17	N/A	28.54	Axle Load	-27.73	Axle Load
55.61(B)	46.7	5.59	N/A	24.14	Axle Load	-32.31	Axle Load
59.50(B)	50.0	-0.12	N/A	21.38	Axle Load	-35.47	Axle Load
61.46(L)	51.6	-2.99	N/A	19.98	Axle Load	-37.01	Axle Load
61.46(R)	51.6	-3.07	N/A	19.98	Axle Load	-37.01	Axle Load
61.53(B)	51.7	-3.18	N/A	19.93	Axle Load	-37.07	Axle Load
61.61(L)	51.8	-3.29	N/A	19.88	Axle Load	-37.12	Axle Load
61.61(R)	51.8	-3.37	N/A	19.88	Axle Load	-37.12	Axle Load
67.46(B)	56.7	-11.96	N/A	16.07	Axle Load	-42.05	Axle Load
71.40(B)	60.0	-17.74	N/A	13.56	Axle Load	-45.05	Axle Load
73.31(L)	61.6	-20.54	N/A	12.40	Axle Load	-46.47	Axle Load
73.31(R)	61.6	-20.62	N/A	12.40	Axle Load	-46.47	Axle Load
73.38(B)	61.7	-20.73	N/A	12.36	Axle Load	-46.52	Axle Load
73.46(L)	61.7	-20.84	N/A	12.31	Axle Load	-46.58	Axle Load
73.46(R)	61.7	-20.92	N/A	12.31	Axle Load	-46.58	Axle Load
79.31(B)	66.6	-29.50	N/A	9.18	Axle Load	-51.43	Axle Load
83.30(B)	70.0	-35.35	N/A	9.10	Axle Load	-54.18	Axle Load
85.16(L)	71.6	-38.08	N/A	9.10	Axle Load	-55.39	Axle Load
85.16(R)	71.6	-38.16	N/A	9.10	Axle Load	-55.39	Axle Load
85.23(B)	71.6	-38.27	N/A	9.10	Axle Load	-55.44	Axle Load
85.31(L)	71.7	-38.38	N/A	9.10	Axle Load	-55.49	Axle Load
85.31(R)	71.7	-38.46	N/A	9.10	Axle Load	-55.49	Axle Load
91.16(B)	76.6	-47.04	N/A	9.22	Axle Load	-59.84	Axle Load
95.20(B)	80.0	-52.97	N/A	9.22	Axle Load	-62.11	Axle Load
95.50(B)	80.3	-53.41	N/A	9.22	Axle Load	-62.27	Axle Load
97.01(L)	81.5	-55.63	N/A	9.22	Axle Load	-63.03	Axle Load
97.01(R)	81.5	-55.71	N/A	9.22	Axle Load	-63.03	Axle Load
97.08(B)	81.6	-55.82	N/A	9.22	Axle Load	-63.07	Axle Load
97.16(L)	81.6	-55.93	N/A	9.22	Axle Load	-63.11	Axle Load
97.16(R)	81.6	-56.01	N/A	9.22	Axle Load	-63.11	Axle Load
103.01(B)	86.6	-64.59	N/A	9.33	Axle Load	-66.63	Axle Load
104.00(B)	87.4	-66.04	N/A	9.33	Axle Load	-67.03	Axle Load

107.10(B)	90.0	-70.82	N/A	9.33	Axle Load	-68.20	Axle Load
108.86(L)	91.5	-73.53	N/A	9.33	Axle Load	-68.77	Axle Load
108.86(R)	91.5	-73.61	N/A	9.33	Axle Load	-68.77	Axle Load
108.93(B)	91.5	-73.73	N/A	9.33	Axle Load	-68.79	Axle Load
109.01(L)	91.6	-73.84	N/A	9.33	Axle Load	-68.82	Axle Load
109.01(R)	91.6	-73.92	N/A	9.33	Axle Load	-68.82	Axle Load
114.00(B)	95.8	-81.62	N/A	9.45	Axle Load	-71.07	Axle Load
119.00(L)	100.0	-89.32	N/A	9.45	Axle Load	-72.02	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	89.42	N/A	72.01	Axle Load	-9.46	Axle Load
0.93(B)	0.8	87.99	N/A	67.38	Axle Load	-8.87	Axle Load
1.86(L)	1.6	86.56	N/A	67.23	Axle Load	-8.87	Axle Load
1.86(R)	1.6	86.48	N/A	67.23	Axle Load	-8.87	Axle Load
2.03(B)	1.7	86.21	N/A	67.21	Axle Load	-8.87	Axle Load
2.21(L)	1.9	85.94	N/A	67.18	Axle Load	-8.87	Axle Load
2.21(R)	1.9	85.86	N/A	67.18	Axle Load	-8.87	Axle Load
8.13(B)	6.8	76.73	N/A	65.87	Axle Load	-8.87	Axle Load
11.90(B)	10.0	70.92	N/A	64.75	Axle Load	-8.87	Axle Load
14.06(L)	11.8	67.60	N/A	64.00	Axle Load	-8.87	Axle Load
14.06(R)	11.8	67.52	N/A	64.00	Axle Load	-8.87	Axle Load
14.13(B)	11.9	67.40	N/A	63.97	Axle Load	-8.87	Axle Load
14.21(L)	11.9	67.29	N/A	63.94	Axle Load	-8.87	Axle Load
14.21(R)	11.9	67.21	N/A	63.94	Axle Load	-8.87	Axle Load
15.00(B)	12.6	65.99	N/A	63.65	Axle Load	-8.87	Axle Load
20.06(B)	16.9	58.56	N/A	61.53	Axle Load	-8.87	Axle Load
23.50(B)	19.7	53.52	N/A	59.87	Axle Load	-8.87	Axle Load
23.80(B)	20.0	53.08	N/A	59.72	Axle Load	-8.87	Axle Load
25.91(L)	21.8	49.98	N/A	58.61	Axle Load	-8.87	Axle Load
25.91(R)	21.8	49.90	N/A	58.61	Axle Load	-8.87	Axle Load
25.98(B)	21.8	49.79	N/A	58.57	Axle Load	-8.87	Axle Load
26.06(L)	21.9	49.68	N/A	58.53	Axle Load	-8.87	Axle Load
26.06(R)	21.9	49.60	N/A	58.53	Axle Load	-8.87	Axle Load
31.91(B)	26.8	41.02	N/A	55.16	Axle Load	-8.87	Axle Load
35.70(B)	30.0	35.46	N/A	52.77	Axle Load	-8.87	Axle Load
37.76(L)	31.7	32.44	N/A	51.41	Axle Load	-8.87	Axle Load
37.76(R)	31.7	32.36	N/A	51.41	Axle Load	-8.87	Axle Load
37.83(B)	31.8	32.25	N/A	51.36	Axle Load	-8.87	Axle Load
37.91(L)	31.9	32.14	N/A	51.31	Axle Load	-8.87	Axle Load
37.91(R)	31.9	32.06	N/A	51.31	Axle Load	-8.87	Axle Load

43.76(B)	36.8	23.47	N/A	47.25	Axle Load	-11.13	Axle Load
47.60(B)	40.0	17.84	N/A	44.45	Axle Load	-13.37	Axle Load
49.61(L)	41.7	14.89	N/A	42.96	Axle Load	-14.63	Axle Load
49.61(R)	41.7	14.81	N/A	42.96	Axle Load	-14.63	Axle Load
49.68(B)	41.8	14.70	N/A	42.90	Axle Load	-14.68	Axle Load
49.76(L)	41.8	14.59	N/A	42.84	Axle Load	-14.73	Axle Load
49.76(R)	41.8	14.51	N/A	42.84	Axle Load	-14.73	Axle Load
55.61(B)	46.7	5.93	N/A	38.38	Axle Load	-18.58	Axle Load
59.50(B)	50.0	0.22	N/A	35.47	Axle Load	-21.37	Axle Load
61.46(L)	51.6	-2.65	N/A	33.93	Axle Load	-22.80	Axle Load
61.46(R)	51.6	-2.73	N/A	33.93	Axle Load	-22.80	Axle Load
61.53(B)	51.7	-2.84	N/A	33.87	Axle Load	-22.85	Axle Load
61.61(L)	51.8	-2.95	N/A	33.81	Axle Load	-22.91	Axle Load
61.61(R)	51.8	-3.03	N/A	33.81	Axle Load	-22.91	Axle Load
67.46(B)	56.7	-11.62	N/A	29.50	Axle Load	-27.55	Axle Load
71.40(B)	60.0	-17.40	N/A	26.39	Axle Load	-30.60	Axle Load
73.31(L)	61.6	-20.20	N/A	24.89	Axle Load	-32.11	Axle Load
73.31(R)	61.6	-20.28	N/A	24.89	Axle Load	-32.11	Axle Load
73.38(B)	61.7	-20.39	N/A	24.83	Axle Load	-32.17	Axle Load
73.46(L)	61.7	-20.50	N/A	24.77	Axle Load	-32.23	Axle Load
73.46(R)	61.7	-20.58	N/A	24.77	Axle Load	-32.23	Axle Load
79.31(B)	66.6	-29.16	N/A	20.55	Axle Load	-37.35	Axle Load
83.30(B)	70.0	-35.01	N/A	17.54	Axle Load	-40.56	Axle Load
85.16(L)	71.6	-37.74	N/A	16.18	Axle Load	-42.05	Axle Load
85.16(R)	71.6	-37.82	N/A	16.18	Axle Load	-42.05	Axle Load
85.23(B)	71.6	-37.93	N/A	16.12	Axle Load	-42.11	Axle Load
85.31(L)	71.7	-38.04	N/A	16.07	Axle Load	-42.17	Axle Load
85.31(R)	71.7	-38.12	N/A	16.07	Axle Load	-42.17	Axle Load
91.16(B)	76.6	-46.70	N/A	12.10	Axle Load	-47.42	Axle Load
95.20(B)	80.0	-52.63	N/A	9.39	Axle Load	-50.59	Axle Load
95.50(B)	80.3	-53.07	N/A	9.20	Axle Load	-50.82	Axle Load
97.01(L)	81.5	-55.29	N/A	8.22	Axle Load	-51.98	Axle Load
97.01(R)	81.5	-55.37	N/A	8.22	Axle Load	-51.98	Axle Load
97.08(B)	81.6	-55.48	N/A	8.18	Axle Load	-52.04	Axle Load
97.16(L)	81.6	-55.59	N/A	8.13	Axle Load	-52.09	Axle Load
97.16(R)	81.6	-55.67	N/A	8.13	Axle Load	-52.09	Axle Load
103.01(B)	86.6	-64.25	N/A	4.68	Axle Load	-57.16	Axle Load
106.00(B)	89.1	-68.64	N/A	2.99	Axle Load	-59.31	Axle Load
107.10(B)	90.0	-70.33	N/A	2.41	Axle Load	-60.08	Axle Load
108.86(L)	91.5	-73.04	N/A	1.49	Axle Load	-61.29	Axle Load
108.86(R)	91.5	-73.12	N/A	1.49	Axle Load	-61.29	Axle Load
108.93(B)	91.5	-73.24	N/A	1.45	Axle Load	-61.34	Axle Load
109.01(L)	91.6	-73.35	N/A	1.41	Axle Load	-61.39	Axle Load

109.01(R)	91.6	-73.43	N/A	1.41	Axle Load	-61.39	Axle Load
114.00(B)	95.8	-81.13	N/A	0.00	Axle Load	-65.47	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-68.52	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	90.65	N/A	69.62	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	64.88	Axle Load	0.00	Axle Load
1.86(L)	2.0	87.79	N/A	64.48	Axle Load	0.00	Axle Load
1.86(R)	2.0	87.71	N/A	64.48	Axle Load	0.00	Axle Load
2.03(B)	2.1	87.44	N/A	64.40	Axle Load	0.00	Axle Load
2.21(L)	2.3	87.17	N/A	64.32	Axle Load	0.00	Axle Load
2.21(R)	2.3	87.09	N/A	64.32	Axle Load	0.00	Axle Load
8.58(B)	9.0	77.26	N/A	61.33	Axle Load	-0.53	Axle Load
9.52(B)	10.0	75.81	N/A	60.86	Axle Load	-0.86	Axle Load
13.00(B)	13.6	70.46	N/A	59.04	Axle Load	-2.16	Axle Load
14.96(L)	15.7	67.58	N/A	57.96	Axle Load	-2.95	Axle Load
14.96(R)	15.7	67.50	N/A	57.96	Axle Load	-2.95	Axle Load
15.25(B)	16.0	67.08	N/A	57.80	Axle Load	-3.06	Axle Load
15.54(L)	16.3	66.65	N/A	57.63	Axle Load	-3.18	Axle Load
15.54(R)	16.3	66.57	N/A	57.63	Axle Load	-3.18	Axle Load
19.05(B)	20.0	61.42	N/A	55.58	Axle Load	-4.69	Axle Load
21.62(B)	22.7	57.65	N/A	53.99	Axle Load	-5.88	Axle Load
23.50(B)	24.7	54.89	N/A	52.80	Axle Load	-6.78	Axle Load
27.71(L)	29.1	48.72	N/A	50.02	Axle Load	-8.95	Axle Load
27.71(R)	29.1	48.64	N/A	50.02	Axle Load	-8.95	Axle Load
28.00(B)	29.4	48.21	N/A	49.83	Axle Load	-9.11	Axle Load
28.29(L)	29.7	47.79	N/A	49.63	Axle Load	-9.26	Axle Load
28.29(R)	29.7	47.71	N/A	49.63	Axle Load	-9.26	Axle Load
28.58(B)	30.0	47.29	N/A	49.44	Axle Load	-9.42	Axle Load
34.37(B)	36.1	38.78	N/A	45.35	Axle Load	-12.72	Axle Load
38.10(B)	40.0	33.32	N/A	42.58	Axle Load	-15.00	Axle Load
40.46(L)	42.5	29.85	N/A	40.78	Axle Load	-16.52	Axle Load
40.46(R)	42.5	29.77	N/A	40.78	Axle Load	-16.52	Axle Load
40.75(B)	42.8	29.35	N/A	40.55	Axle Load	-16.70	Axle Load
41.04(L)	43.1	28.92	N/A	40.33	Axle Load	-16.89	Axle Load
41.04(R)	43.1	28.84	N/A	40.33	Axle Load	-16.89	Axle Load
47.12(B)	49.5	19.92	N/A	35.51	Axle Load	-21.04	Axle Load
47.63(B)	50.0	19.18	N/A	35.22	Axle Load	-21.46	Axle Load
53.21(L)	55.9	10.99	N/A	30.87	Axle Load	-25.79	Axle Load
53.21(R)	55.9	10.91	N/A	30.87	Axle Load	-25.79	Axle Load

53.50(B)	56.2	10.48	N/A	30.63	Axle Load	-26.01	Axle Load
53.79(L)	56.5	10.06	N/A	30.38	Axle Load	-26.23	Axle Load
53.79(R)	56.5	9.98	N/A	30.38	Axle Load	-26.23	Axle Load
57.15(B)	60.0	5.05	N/A	27.48	Axle Load	-28.82	Axle Load
59.87(B)	62.9	1.05	N/A	25.10	Axle Load	-30.98	Axle Load
65.96(L)	69.2	-7.88	N/A	19.92	Axle Load	-36.42	Axle Load
65.96(R)	69.2	-7.96	N/A	19.92	Axle Load	-36.42	Axle Load
66.25(B)	69.6	-8.38	N/A	19.66	Axle Load	-36.66	Axle Load
66.54(L)	69.9	-8.81	N/A	19.39	Axle Load	-36.91	Axle Load
66.54(R)	69.9	-8.89	N/A	19.39	Axle Load	-36.91	Axle Load
66.68(B)	70.0	-9.09	N/A	19.27	Axle Load	-37.03	Axle Load
72.62(B)	76.2	-17.81	N/A	13.96	Axle Load	-42.68	Axle Load
76.20(B)	80.0	-23.06	N/A	11.14	Axle Load	-45.88	Axle Load
78.71(L)	82.6	-26.74	N/A	9.22	Axle Load	-48.15	Axle Load
78.71(R)	82.6	-26.82	N/A	9.22	Axle Load	-48.15	Axle Load
79.00(B)	82.9	-27.25	N/A	9.00	Axle Load	-48.42	Axle Load
79.29(L)	83.2	-27.67	N/A	8.78	Axle Load	-48.68	Axle Load
79.29(R)	83.2	-27.75	N/A	8.78	Axle Load	-48.68	Axle Load
85.37(B)	89.6	-36.68	N/A	6.52	Axle Load	-54.96	Axle Load
85.72(B)	90.0	-37.19	N/A	6.52	Axle Load	-55.29	Axle Load
91.46(L)	96.0	-45.61	N/A	6.59	Axle Load	-61.46	Axle Load
91.46(R)	96.0	-45.69	N/A	6.59	Axle Load	-61.46	Axle Load
91.75(B)	96.3	-46.11	N/A	6.59	Axle Load	-61.74	Axle Load
92.04(L)	96.6	-46.54	N/A	6.59	Axle Load	-62.02	Axle Load
92.04(R)	96.6	-46.62	N/A	6.59	Axle Load	-62.02	Axle Load
93.64(B)	98.3	-48.97	N/A	6.59	Axle Load	-63.58	Axle Load
95.25(L)	100.0	-51.33	N/A	6.59	Axle Load	-65.14	Axle Load

Note:

"N/A" indicates not applicable

*** indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: SU6
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load

1	51.28	N/A	66.15	Axle Load	-6.94	Axle Load
2	179.47	N/A	81.23	Axle Load	0.00	Axle Load
3	178.74	N/A	81.28	Axle Load	-10.58	Axle Load
4	179.48	N/A	81.56	Axle Load	0.00	Axle Load
5	51.33	N/A	70.27	Axle Load	-7.37	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary

Live Load: SU6

Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	153.01	Axle Load	-16.92	Axle Load
6.64(L)	7.0	308.14	N/A	289.63	Axle Load	-33.84	Axle Load
6.64(R)	7.0	308.14	N/A	289.63	Axle Load	-33.84	Axle Load
9.52(B)	10.0	421.44	N/A	397.38	Axle Load	-48.55	Axle Load
13.11(B)	13.8	545.33	N/A	522.16	Axle Load	-66.84	Axle Load
19.05(B)	20.0	708.73	N/A	687.92	Axle Load	-97.10	Axle Load
19.59(L)	20.6	721.01	N/A	700.53	Axle Load	-99.85	Axle Load
19.59(R)	20.6	721.01	N/A	700.53	Axle Load	-99.85	Axle Load
26.06(B)	27.4	834.15	N/A	820.96	Axle Load	-132.85	Axle Load
28.58(B)	30.0	861.47	N/A	852.87	Axle Load	-145.65	Axle Load
32.54(L)	34.2	885.78	N/A	894.35	Axle Load	-165.85	Axle Load
32.54(R)	34.2	885.78	N/A	894.35	Axle Load	-165.85	Axle Load
38.10(B)	40.0	880.13	N/A	922.24	Axle Load	-194.19	Axle Load
39.01(B)	41.0	874.86	N/A	923.26	Axle Load	-198.86	Axle Load
45.49(L)	47.8	802.44	N/A	908.22	Axle Load	-231.86	Axle Load
45.49(R)	47.8	802.44	N/A	908.22	Axle Load	-231.86	Axle Load
47.63(B)	50.0	764.72	N/A	896.46	Axle Load	-242.74	Axle Load
51.96(B)	54.6	667.47	N/A	858.51	Axle Load	-264.86	Axle Load
57.15(B)	60.0	515.02	N/A	789.76	Axle Load	-291.29	Axle Load
58.44(L)	61.4	470.99	N/A	769.25	Axle Load	-297.86	Axle Load
58.44(R)	61.4	470.99	N/A	769.25	Axle Load	-297.86	Axle Load
64.91(B)	68.2	211.97	N/A	646.42	Axle Load	-330.87	Axle Load
66.68(B)	70.0	130.91	N/A	608.21	Axle Load	-339.84	Axle Load
71.39(L)	74.9	-108.56	N/A	482.85	Axle Load	-352.81	Axle Load
71.39(R)	74.9	-108.56	N/A	482.85	Axle Load	-352.81	Axle Load
71.75(B)	75.3	-128.27	N/A	474.20	Axle Load	-354.60	Axle Load
76.20(B)	80.0	-387.28	N/A	364.01	Axle Load	-376.59	Axle Load

77.86(B)	81.7	-491.63	N/A	321.47	Axle Load	-384.81	Axle Load
82.25(B)	86.4	-786.02	N/A	205.79	Axle Load	-406.49	Axle Load
84.34(L)	88.5	-936.37	N/A	149.72	Axle Load	-416.81	Axle Load
84.34(R)	88.5	-936.37	N/A	149.72	Axle Load	-416.81	Axle Load
85.72(B)	90.0	-1040.00	N/A	111.90	Axle Load	-423.66	Axle Load
89.79(B)	94.3	-1361.49	N/A	0.93	Axle Load	-443.78	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-546.75	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-546.75	Axle Load
1.02(B)	0.9	-1742.59	N/A	0.00	Axle Load	-539.56	Axle Load
2.04(L)	1.7	-1654.31	N/A	0.00	Axle Load	-532.36	Axle Load
2.04(R)	1.7	-1654.31	N/A	0.00	Axle Load	-532.36	Axle Load
2.12(B)	1.8	-1647.03	N/A	0.00	Axle Load	-531.76	Axle Load
2.21(L)	1.9	-1639.76	N/A	0.00	Axle Load	-531.16	Axle Load
2.21(R)	1.9	-1639.76	N/A	0.00	Axle Load	-531.16	Axle Load
8.13(B)	6.8	-1160.99	N/A	91.51	Axle Load	-489.36	Axle Load
11.90(B)	10.0	-884.84	N/A	193.77	Axle Load	-462.80	Axle Load
13.00(B)	10.9	-808.29	N/A	222.72	Axle Load	-455.04	Axle Load
14.06(L)	11.8	-736.29	N/A	249.92	Axle Load	-447.56	Axle Load
14.06(R)	11.8	-736.29	N/A	249.92	Axle Load	-447.56	Axle Load
14.13(B)	11.9	-731.26	N/A	251.83	Axle Load	-447.03	Axle Load
14.21(L)	11.9	-726.24	N/A	253.75	Axle Load	-446.50	Axle Load
14.21(R)	11.9	-726.24	N/A	253.75	Axle Load	-446.50	Axle Load
20.06(B)	16.9	-360.52	N/A	395.35	Axle Load	-405.23	Axle Load
23.50(B)	19.7	-168.88	N/A	470.53	Axle Load	-380.96	Axle Load
23.80(B)	20.0	-152.99	N/A	476.63	Axle Load	-378.84	Axle Load
25.91(L)	21.8	-45.01	N/A	504.66	Axle Load	-354.09	Axle Load
25.91(R)	21.8	-45.01	N/A	504.66	Axle Load	-354.09	Axle Load
25.98(B)	21.8	-41.30	N/A	506.06	Axle Load	-353.58	Axle Load
26.06(L)	21.9	-37.59	N/A	507.46	Axle Load	-353.06	Axle Load
26.06(R)	21.9	-37.59	N/A	507.46	Axle Load	-353.06	Axle Load
31.91(B)	26.8	225.48	N/A	604.94	Axle Load	-312.91	Axle Load
35.70(B)	30.0	369.14	N/A	654.79	Axle Load	-286.89	Axle Load
37.76(L)	31.7	438.35	N/A	677.15	Axle Load	-272.76	Axle Load
37.76(R)	31.7	438.35	N/A	677.15	Axle Load	-272.76	Axle Load
37.83(B)	31.8	440.75	N/A	677.90	Axle Load	-272.24	Axle Load
37.91(L)	31.9	443.14	N/A	678.65	Axle Load	-271.73	Axle Load
37.91(R)	31.9	443.14	N/A	678.65	Axle Load	-271.73	Axle Load
43.76(B)	36.8	603.58	N/A	722.40	Axle Load	-231.58	Axle Load

47.60(B)	40.0	681.61	N/A	735.68	Axle Load	-205.21	Axle Load
49.61(L)	41.7	713.81	N/A	737.71	Axle Load	-191.42	Axle Load
49.61(R)	41.7	713.81	N/A	737.71	Axle Load	-191.42	Axle Load
49.68(B)	41.8	714.90	N/A	737.72	Axle Load	-190.91	Axle Load
49.76(L)	41.8	715.97	N/A	737.73	Axle Load	-190.39	Axle Load
49.76(R)	41.8	715.97	N/A	737.73	Axle Load	-190.39	Axle Load
55.61(B)	46.7	773.77	N/A	728.27	Axle Load	-150.24	Axle Load
59.50(B)	50.0	784.42	N/A	708.05	Axle Load	-123.54	Axle Load
61.46(L)	51.6	781.37	N/A	693.15	Axle Load	-110.09	Axle Load
61.46(R)	51.6	781.37	N/A	693.15	Axle Load	-110.09	Axle Load
61.53(B)	51.7	781.13	N/A	692.50	Axle Load	-109.57	Axle Load
61.61(L)	51.8	780.89	N/A	691.84	Axle Load	-109.06	Axle Load
61.61(R)	51.8	780.89	N/A	691.84	Axle Load	-109.06	Axle Load
67.46(B)	56.7	736.06	N/A	629.45	Axle Load	-68.91	Axle Load
71.40(B)	60.0	677.56	N/A	575.30	Axle Load	-41.86	Axle Load
73.31(L)	61.6	641.02	N/A	545.57	Axle Load	-28.75	Axle Load
73.31(R)	61.6	641.02	N/A	545.57	Axle Load	-28.75	Axle Load
73.38(B)	61.7	639.47	N/A	544.34	Axle Load	-28.24	Axle Load
73.46(L)	61.7	637.91	N/A	543.09	Axle Load	-27.72	Axle Load
73.46(R)	61.7	637.91	N/A	543.09	Axle Load	-27.72	Axle Load
79.31(B)	66.6	490.44	N/A	439.83	Axle Load	-5.33	Axle Load
83.30(B)	70.0	361.03	N/A	363.18	Axle Load	-44.34	Axle Load
85.16(L)	71.6	292.76	N/A	325.89	Axle Load	-71.90	Axle Load
85.16(R)	71.6	292.76	N/A	325.89	Axle Load	-71.90	Axle Load
85.23(B)	71.6	289.89	N/A	324.33	Axle Load	-73.13	Axle Load
85.31(L)	71.7	287.02	N/A	322.77	Axle Load	-74.36	Axle Load
85.31(R)	71.7	287.02	N/A	322.77	Axle Load	-74.36	Axle Load
91.16(B)	76.6	36.91	N/A	213.85	Axle Load	-192.43	Axle Load
95.20(B)	80.0	-165.15	N/A	147.47	Axle Load	-295.62	Axle Load
95.50(B)	80.3	-181.11	N/A	143.45	Axle Load	-303.84	Axle Load
97.01(L)	81.5	-263.41	N/A	133.91	Axle Load	-346.70	Axle Load
97.01(R)	81.5	-263.41	N/A	133.91	Axle Load	-346.70	Axle Load
97.08(B)	81.6	-267.59	N/A	134.43	Axle Load	-348.83	Axle Load
97.16(L)	81.6	-271.78	N/A	134.94	Axle Load	-350.96	Axle Load
97.16(R)	81.6	-271.78	N/A	134.94	Axle Load	-350.96	Axle Load
103.01(B)	86.6	-624.52	N/A	175.10	Axle Load	-532.50	Axle Load
104.00(B)	87.4	-689.23	N/A	181.90	Axle Load	-565.33	Axle Load
107.10(B)	90.0	-901.36	N/A	203.17	Axle Load	-671.95	Axle Load
108.86(L)	91.5	-1028.35	N/A	215.25	Axle Load	-734.20	Axle Load
108.86(R)	91.5	-1028.35	N/A	215.25	Axle Load	-734.20	Axle Load
108.93(B)	91.5	-1033.88	N/A	215.76	Axle Load	-736.86	Axle Load
109.01(L)	91.6	-1039.41	N/A	216.28	Axle Load	-739.51	Axle Load
109.01(R)	91.6	-1039.41	N/A	216.28	Axle Load	-739.51	Axle Load

114.00(B)	95.8	-1427.90	N/A	250.56	Axle Load	-924.26	Axle Load
119.00(L)	100.0	-1854.85	N/A	284.85	Axle Load	-1119.76	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1854.80	N/A	285.05	Axle Load	-1119.56	Axle Load
0.93(B)	0.8	-1772.33	N/A	278.66	Axle Load	-1082.67	Axle Load
1.86(L)	1.6	-1691.19	N/A	272.28	Axle Load	-1045.76	Axle Load
1.86(R)	1.6	-1691.19	N/A	272.28	Axle Load	-1045.76	Axle Load
2.03(B)	1.7	-1676.08	N/A	271.07	Axle Load	-1038.81	Axle Load
2.21(L)	1.9	-1661.02	N/A	269.87	Axle Load	-1031.91	Axle Load
2.21(R)	1.9	-1661.02	N/A	269.87	Axle Load	-1031.91	Axle Load
8.13(B)	6.8	-1179.36	N/A	229.18	Axle Load	-806.96	Axle Load
11.90(B)	10.0	-901.36	N/A	203.31	Axle Load	-671.83	Axle Load
14.06(L)	11.8	-751.80	N/A	188.48	Axle Load	-597.01	Axle Load
14.06(R)	11.8	-751.80	N/A	188.48	Axle Load	-597.01	Axle Load
14.13(B)	11.9	-746.74	N/A	187.97	Axle Load	-594.45	Axle Load
14.21(L)	11.9	-741.69	N/A	187.45	Axle Load	-591.89	Axle Load
14.21(R)	11.9	-741.69	N/A	187.45	Axle Load	-591.89	Axle Load
15.00(B)	12.6	-689.04	N/A	182.02	Axle Load	-565.16	Axle Load
20.06(B)	16.9	-373.96	N/A	147.27	Axle Load	-403.66	Axle Load
23.50(B)	19.7	-181.15	N/A	142.76	Axle Load	-303.85	Axle Load
23.80(B)	20.0	-165.16	N/A	146.77	Axle Load	-295.68	Axle Load
25.91(L)	21.8	-56.46	N/A	179.94	Axle Load	-239.82	Axle Load
25.91(R)	21.8	-56.46	N/A	179.94	Axle Load	-239.82	Axle Load
25.98(B)	21.8	-52.72	N/A	181.20	Axle Load	-237.87	Axle Load
26.06(L)	21.9	-48.99	N/A	182.45	Axle Load	-235.92	Axle Load
26.06(R)	21.9	-48.99	N/A	182.45	Axle Load	-235.92	Axle Load
31.91(B)	26.8	216.08	N/A	287.78	Axle Load	-105.89	Axle Load
35.70(B)	30.0	361.02	N/A	362.86	Axle Load	-44.34	Axle Load
37.76(L)	31.7	430.94	N/A	403.43	Axle Load	-20.47	Axle Load
37.76(R)	31.7	430.94	N/A	403.43	Axle Load	-20.47	Axle Load
37.83(B)	31.8	433.36	N/A	404.88	Axle Load	-19.73	Axle Load
37.91(L)	31.9	435.77	N/A	406.33	Axle Load	-19.01	Axle Load
37.91(R)	31.9	435.77	N/A	406.33	Axle Load	-19.01	Axle Load
43.76(B)	36.8	598.20	N/A	513.22	Axle Load	-15.51	Axle Load
47.60(B)	40.0	677.54	N/A	575.05	Axle Load	-41.89	Axle Load
49.61(L)	41.7	710.43	N/A	604.21	Axle Load	-55.69	Axle Load
49.61(R)	41.7	710.43	N/A	604.21	Axle Load	-55.69	Axle Load
49.68(B)	41.8	711.53	N/A	605.25	Axle Load	-56.21	Axle Load
49.76(L)	41.8	712.63	N/A	606.28	Axle Load	-56.72	Axle Load

49.76(R)	41.8	712.63	N/A	606.28	Axle Load	-56.72	Axle Load
55.61(B)	46.7	772.43	N/A	675.38	Axle Load	-96.90	Axle Load
59.50(B)	50.0	784.39	N/A	707.84	Axle Load	-123.62	Axle Load
61.46(L)	51.6	782.01	N/A	719.82	Axle Load	-137.08	Axle Load
61.46(R)	51.6	782.01	N/A	719.82	Axle Load	-137.08	Axle Load
61.53(B)	51.7	781.80	N/A	720.22	Axle Load	-137.60	Axle Load
61.61(L)	51.8	781.59	N/A	720.61	Axle Load	-138.11	Axle Load
61.61(R)	51.8	781.59	N/A	720.61	Axle Load	-138.11	Axle Load
67.46(B)	56.7	738.74	N/A	736.86	Axle Load	-178.29	Axle Load
71.40(B)	60.0	681.58	N/A	735.87	Axle Load	-205.36	Axle Load
73.31(L)	61.6	645.69	N/A	730.81	Axle Load	-218.47	Axle Load
73.31(R)	61.6	645.69	N/A	730.81	Axle Load	-218.47	Axle Load
73.38(B)	61.7	644.17	N/A	730.53	Axle Load	-218.99	Axle Load
73.46(L)	61.7	642.63	N/A	730.24	Axle Load	-219.50	Axle Load
73.46(R)	61.7	642.63	N/A	730.24	Axle Load	-219.50	Axle Load
79.31(B)	66.6	497.15	N/A	694.71	Axle Load	-259.68	Axle Load
83.30(B)	70.0	369.10	N/A	654.97	Axle Load	-287.09	Axle Load
85.16(L)	71.6	301.46	N/A	631.93	Axle Load	-299.86	Axle Load
85.16(R)	71.6	301.46	N/A	631.93	Axle Load	-299.86	Axle Load
85.23(B)	71.6	298.62	N/A	630.92	Axle Load	-300.38	Axle Load
85.31(L)	71.7	295.77	N/A	629.91	Axle Load	-300.89	Axle Load
85.31(R)	71.7	295.77	N/A	629.91	Axle Load	-300.89	Axle Load
91.16(B)	76.6	47.65	N/A	539.39	Axle Load	-341.07	Axle Load
95.20(B)	80.0	-153.04	N/A	476.85	Axle Load	-379.11	Axle Load
95.50(B)	80.3	-168.89	N/A	470.71	Axle Load	-381.22	Axle Load
97.01(L)	81.5	-250.67	N/A	438.51	Axle Load	-391.88	Axle Load
97.01(R)	81.5	-250.67	N/A	438.51	Axle Load	-391.88	Axle Load
97.08(B)	81.6	-254.83	N/A	436.85	Axle Load	-392.41	Axle Load
97.16(L)	81.6	-258.99	N/A	435.19	Axle Load	-392.94	Axle Load
97.16(R)	81.6	-258.99	N/A	435.19	Axle Load	-392.94	Axle Load
103.01(B)	86.6	-609.75	N/A	298.17	Axle Load	-434.24	Axle Load
106.00(B)	89.1	-808.45	N/A	222.64	Axle Load	-455.35	Axle Load
107.10(B)	90.0	-884.89	N/A	193.98	Axle Load	-463.12	Axle Load
108.86(L)	91.5	-1011.02	N/A	146.62	Axle Load	-475.54	Axle Load
108.86(R)	91.5	-1011.02	N/A	146.62	Axle Load	-475.54	Axle Load
108.93(B)	91.5	-1016.50	N/A	144.54	Axle Load	-476.07	Axle Load
109.01(L)	91.6	-1022.00	N/A	142.46	Axle Load	-476.60	Axle Load
109.01(R)	91.6	-1022.00	N/A	142.46	Axle Load	-476.60	Axle Load
114.00(B)	95.8	-1408.06	N/A	2.94	Axle Load	-511.86	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-547.13	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-547.13	Axle Load
0.93(B)	1.0	-1748.95	N/A	0.00	Axle Load	-513.02	Axle Load
1.86(L)	2.0	-1666.67	N/A	0.00	Axle Load	-479.64	Axle Load
1.86(R)	2.0	-1666.67	N/A	0.00	Axle Load	-479.64	Axle Load
2.03(B)	2.1	-1651.34	N/A	0.00	Axle Load	-473.44	Axle Load
2.21(L)	2.3	-1636.07	N/A	0.00	Axle Load	-467.23	Axle Load
2.21(R)	2.3	-1636.07	N/A	0.00	Axle Load	-467.23	Axle Load
8.58(B)	9.0	-1112.19	N/A	86.84	Axle Load	-428.27	Axle Load
9.52(B)	10.0	-1040.20	N/A	112.34	Axle Load	-423.63	Axle Load
13.00(B)	13.6	-786.05	N/A	206.07	Axle Load	-406.45	Axle Load
14.96(L)	15.7	-650.81	N/A	258.02	Axle Load	-396.77	Axle Load
14.96(R)	15.7	-650.81	N/A	258.02	Axle Load	-396.77	Axle Load
15.25(B)	16.0	-631.30	N/A	265.59	Axle Load	-395.34	Axle Load
15.54(L)	16.3	-611.91	N/A	273.14	Axle Load	-393.90	Axle Load
15.54(R)	16.3	-611.91	N/A	273.14	Axle Load	-393.90	Axle Load
19.05(B)	20.0	-387.24	N/A	363.68	Axle Load	-376.56	Axle Load
21.62(B)	22.7	-233.97	N/A	428.45	Axle Load	-363.83	Axle Load
23.50(B)	24.7	-128.43	N/A	473.82	Axle Load	-354.57	Axle Load
27.71(L)	29.1	89.65	N/A	588.69	Axle Load	-344.22	Axle Load
27.71(R)	29.1	89.65	N/A	588.69	Axle Load	-344.22	Axle Load
28.00(B)	29.4	103.69	N/A	595.28	Axle Load	-342.74	Axle Load
28.29(L)	29.7	117.61	N/A	601.79	Axle Load	-341.27	Axle Load
28.29(R)	29.7	117.61	N/A	601.79	Axle Load	-341.27	Axle Load
28.58(B)	30.0	131.18	N/A	608.13	Axle Load	-339.81	Axle Load
34.37(B)	36.1	380.76	N/A	726.44	Axle Load	-310.25	Axle Load
38.10(B)	40.0	515.06	N/A	789.54	Axle Load	-291.27	Axle Load
40.46(L)	42.5	589.58	N/A	823.94	Axle Load	-279.24	Axle Load
40.46(R)	42.5	589.58	N/A	823.94	Axle Load	-279.24	Axle Load
40.75(B)	42.8	598.15	N/A	827.80	Axle Load	-277.76	Axle Load
41.04(L)	43.1	606.60	N/A	831.57	Axle Load	-276.29	Axle Load
41.04(R)	43.1	606.60	N/A	831.57	Axle Load	-276.29	Axle Load
47.12(B)	49.5	754.95	N/A	893.19	Axle Load	-245.27	Axle Load
47.63(B)	50.0	764.73	N/A	896.59	Axle Load	-242.72	Axle Load
53.21(L)	55.9	848.97	N/A	920.08	Axle Load	-214.26	Axle Load
53.21(R)	55.9	848.97	N/A	920.08	Axle Load	-214.26	Axle Load
53.50(B)	56.2	852.08	N/A	920.85	Axle Load	-212.78	Axle Load
53.79(L)	56.5	855.05	N/A	921.51	Axle Load	-211.31	Axle Load
53.79(R)	56.5	855.05	N/A	921.51	Axle Load	-211.31	Axle Load
57.15(B)	60.0	880.30	N/A	922.13	Axle Load	-194.18	Axle Load
59.87(B)	62.9	888.61	N/A	913.26	Axle Load	-180.29	Axle Load

65.96(L)	69.2	867.84	N/A	860.59	Axle Load	-149.28	Axle Load
65.96(R)	69.2	867.84	N/A	860.59	Axle Load	-149.28	Axle Load
66.25(B)	69.6	865.47	N/A	857.59	Axle Load	-147.80	Axle Load
66.54(L)	69.9	862.98	N/A	854.48	Axle Load	-146.32	Axle Load
66.54(R)	69.9	862.98	N/A	854.48	Axle Load	-146.32	Axle Load
66.68(B)	70.0	861.76	N/A	852.98	Axle Load	-145.63	Axle Load
72.62(B)	76.2	781.74	N/A	764.05	Axle Load	-115.31	Axle Load
76.20(B)	80.0	708.66	N/A	687.84	Axle Load	-97.09	Axle Load
78.71(L)	82.6	646.17	N/A	623.85	Axle Load	-84.30	Axle Load
78.71(R)	82.6	646.17	N/A	623.85	Axle Load	-84.30	Axle Load
79.00(B)	82.9	638.33	N/A	615.88	Axle Load	-82.82	Axle Load
79.29(L)	83.2	630.37	N/A	607.80	Axle Load	-81.34	Axle Load
79.29(R)	83.2	630.37	N/A	607.80	Axle Load	-81.34	Axle Load
85.37(B)	89.6	434.33	N/A	410.41	Axle Load	-50.33	Axle Load
85.72(B)	90.0	421.39	N/A	397.40	Axle Load	-48.54	Axle Load
91.46(L)	96.0	183.98	N/A	173.38	Axle Load	-19.32	Axle Load
91.46(R)	96.0	183.98	N/A	173.38	Axle Load	-19.32	Axle Load
91.75(B)	96.3	170.67	N/A	160.87	Axle Load	-17.84	Axle Load
92.04(L)	96.6	157.23	N/A	148.24	Axle Load	-16.36	Axle Load
92.04(R)	96.6	157.23	N/A	148.24	Axle Load	-16.36	Axle Load
93.64(B)	98.3	80.51	N/A	76.05	Axle Load	-8.18	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

***" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: SU6
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	66.15	Axle Load	-6.94	Axle Load
3.32(B)	3.5	46.41	N/A	62.77	Axle Load	-6.94	Axle Load
6.64(L)	7.0	41.54	N/A	59.41	Axle Load	-6.94	Axle Load

6.64(R)	7.0	41.38	N/A	59.41	Axle Load	-6.94	Axle Load
9.52(B)	10.0	37.15	N/A	56.51	Axle Load	-6.94	Axle Load
13.11(B)	13.8	31.88	N/A	52.94	Axle Load	-6.94	Axle Load
19.05(B)	20.0	23.17	N/A	47.14	Axle Load	-10.04	Axle Load
19.59(L)	20.6	22.38	N/A	46.62	Axle Load	-10.50	Axle Load
19.59(R)	20.6	22.22	N/A	46.62	Axle Load	-10.50	Axle Load
26.06(B)	27.4	12.72	N/A	40.50	Axle Load	-16.00	Axle Load
28.58(B)	30.0	9.04	N/A	38.19	Axle Load	-18.54	Axle Load
32.54(L)	34.2	3.22	N/A	34.61	Axle Load	-22.50	Axle Load
32.54(R)	34.2	3.06	N/A	34.61	Axle Load	-22.50	Axle Load
38.10(B)	40.0	-5.09	N/A	29.78	Axle Load	-27.97	Axle Load
39.01(B)	41.0	-6.44	N/A	29.00	Axle Load	-28.86	Axle Load
45.49(L)	47.8	-15.93	N/A	23.70	Axle Load	-35.03	Axle Load
45.49(R)	47.8	-16.09	N/A	23.70	Axle Load	-35.03	Axle Load
47.63(B)	50.0	-19.23	N/A	22.11	Axle Load	-37.13	Axle Load
51.96(B)	54.6	-25.59	N/A	18.83	Axle Load	-41.10	Axle Load
57.15(B)	60.0	-33.20	N/A	15.30	Axle Load	-46.11	Axle Load
58.44(L)	61.4	-35.09	N/A	14.41	Axle Load	-47.24	Axle Load
58.44(R)	61.4	-35.25	N/A	14.41	Axle Load	-47.24	Axle Load
64.91(B)	68.2	-44.75	N/A	10.38	Axle Load	-53.32	Axle Load
66.68(B)	70.0	-47.34	N/A	9.32	Axle Load	-54.75	Axle Load
71.39(L)	74.9	-54.25	N/A	6.63	Axle Load	-58.47	Axle Load
71.39(R)	74.9	-54.41	N/A	6.63	Axle Load	-58.47	Axle Load
71.75(B)	75.3	-54.94	N/A	6.52	Axle Load	-59.45	Axle Load
76.20(B)	80.0	-61.47	N/A	4.22	Axle Load	-62.78	Axle Load
77.86(B)	81.7	-63.91	N/A	3.40	Axle Load	-63.98	Axle Load
82.25(B)	86.4	-70.35	N/A	1.45	Axle Load	-67.78	Axle Load
84.34(L)	88.5	-73.57	N/A	0.58	Axle Load	-69.16	Axle Load
84.34(R)	88.5	-73.73	N/A	0.58	Axle Load	-69.16	Axle Load
85.72(B)	90.0	-75.86	N/A	0.02	Axle Load	-70.03	Axle Load
89.79(B)	94.3	-82.13	N/A	0.00	Axle Load	-72.50	Axle Load
95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-76.39	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	74.77	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	69.72	Axle Load	0.00	Axle Load
2.04(L)	1.7	85.79	N/A	69.05	Axle Load	0.00	Axle Load
2.04(R)	1.7	85.71	N/A	69.05	Axle Load	0.00	Axle Load
2.12(B)	1.8	85.58	N/A	69.00	Axle Load	0.00	Axle Load
2.21(L)	1.9	85.45	N/A	68.94	Axle Load	0.00	Axle Load

2.21(R)	1.9	85.37	N/A	68.94	Axle Load	0.00	Axle Load
8.13(B)	6.8	76.24	N/A	64.82	Axle Load	0.00	Axle Load
11.90(B)	10.0	70.44	N/A	62.02	Axle Load	-1.21	Axle Load
13.00(B)	10.9	68.74	N/A	61.17	Axle Load	-1.81	Axle Load
14.06(L)	11.8	67.19	N/A	60.35	Axle Load	-2.40	Axle Load
14.06(R)	11.8	67.11	N/A	60.35	Axle Load	-2.40	Axle Load
14.13(B)	11.9	67.00	N/A	60.29	Axle Load	-2.44	Axle Load
14.21(L)	11.9	66.89	N/A	60.23	Axle Load	-2.48	Axle Load
14.21(R)	11.9	66.81	N/A	60.23	Axle Load	-2.48	Axle Load
20.06(B)	16.9	58.22	N/A	55.52	Axle Load	-5.98	Axle Load
23.50(B)	19.7	53.18	N/A	52.64	Axle Load	-8.22	Axle Load
23.80(B)	20.0	52.74	N/A	52.39	Axle Load	-8.42	Axle Load
25.91(L)	21.8	49.64	N/A	50.59	Axle Load	-9.87	Axle Load
25.91(R)	21.8	49.56	N/A	50.59	Axle Load	-9.87	Axle Load
25.98(B)	21.8	49.45	N/A	50.53	Axle Load	-9.92	Axle Load
26.06(L)	21.9	49.34	N/A	50.46	Axle Load	-9.97	Axle Load
26.06(R)	21.9	49.26	N/A	50.46	Axle Load	-9.97	Axle Load
31.91(B)	26.8	40.68	N/A	45.40	Axle Load	-14.24	Axle Load
35.70(B)	30.0	35.12	N/A	42.07	Axle Load	-17.16	Axle Load
37.76(L)	31.7	32.10	N/A	40.26	Axle Load	-18.81	Axle Load
37.76(R)	31.7	32.02	N/A	40.26	Axle Load	-18.81	Axle Load
37.83(B)	31.8	31.91	N/A	40.20	Axle Load	-18.87	Axle Load
37.91(L)	31.9	31.80	N/A	40.13	Axle Load	-18.93	Axle Load
37.91(R)	31.9	31.72	N/A	40.13	Axle Load	-18.93	Axle Load
43.76(B)	36.8	23.13	N/A	35.01	Axle Load	-23.76	Axle Load
47.60(B)	40.0	17.50	N/A	31.70	Axle Load	-27.02	Axle Load
49.61(L)	41.7	14.55	N/A	29.99	Axle Load	-28.76	Axle Load
49.61(R)	41.7	14.47	N/A	29.99	Axle Load	-28.76	Axle Load
49.68(B)	41.8	14.36	N/A	29.93	Axle Load	-28.82	Axle Load
49.76(L)	41.8	14.25	N/A	29.87	Axle Load	-28.89	Axle Load
49.76(R)	41.8	14.17	N/A	29.87	Axle Load	-28.89	Axle Load
55.61(B)	46.7	5.59	N/A	25.01	Axle Load	-34.00	Axle Load
59.50(B)	50.0	-0.12	N/A	21.99	Axle Load	-37.54	Axle Load
61.46(L)	51.6	-2.99	N/A	20.48	Axle Load	-39.26	Axle Load
61.46(R)	51.6	-3.07	N/A	20.48	Axle Load	-39.26	Axle Load
61.53(B)	51.7	-3.18	N/A	20.43	Axle Load	-39.33	Axle Load
61.61(L)	51.8	-3.29	N/A	20.37	Axle Load	-39.39	Axle Load
61.61(R)	51.8	-3.37	N/A	20.37	Axle Load	-39.39	Axle Load
67.46(B)	56.7	-11.96	N/A	16.23	Axle Load	-44.94	Axle Load
71.40(B)	60.0	-17.74	N/A	13.54	Axle Load	-48.34	Axle Load
73.31(L)	61.6	-20.54	N/A	12.33	Axle Load	-49.96	Axle Load
73.31(R)	61.6	-20.62	N/A	12.33	Axle Load	-49.96	Axle Load
73.38(B)	61.7	-20.73	N/A	12.28	Axle Load	-50.02	Axle Load

73.46(L)	61.7	-20.84	N/A	12.23	Axle Load	-50.08	Axle Load
73.46(R)	61.7	-20.92	N/A	12.23	Axle Load	-50.08	Axle Load
79.31(B)	66.6	-29.50	N/A	10.17	Axle Load	-55.61	Axle Load
83.30(B)	70.0	-35.35	N/A	10.17	Axle Load	-58.78	Axle Load
85.16(L)	71.6	-38.08	N/A	10.17	Axle Load	-60.19	Axle Load
85.16(R)	71.6	-38.16	N/A	10.17	Axle Load	-60.19	Axle Load
85.23(B)	71.6	-38.27	N/A	10.17	Axle Load	-60.24	Axle Load
85.31(L)	71.7	-38.38	N/A	10.17	Axle Load	-60.30	Axle Load
85.31(R)	71.7	-38.46	N/A	10.17	Axle Load	-60.30	Axle Load
91.16(B)	76.6	-47.04	N/A	10.30	Axle Load	-65.33	Axle Load
95.20(B)	80.0	-52.97	N/A	10.30	Axle Load	-68.02	Axle Load
95.50(B)	80.3	-53.41	N/A	10.30	Axle Load	-68.20	Axle Load
97.01(L)	81.5	-55.63	N/A	10.30	Axle Load	-69.13	Axle Load
97.01(R)	81.5	-55.71	N/A	10.30	Axle Load	-69.13	Axle Load
97.08(B)	81.6	-55.82	N/A	10.30	Axle Load	-69.18	Axle Load
97.16(L)	81.6	-55.93	N/A	10.30	Axle Load	-69.22	Axle Load
97.16(R)	81.6	-56.01	N/A	10.30	Axle Load	-69.22	Axle Load
103.01(B)	86.6	-64.59	N/A	10.44	Axle Load	-73.39	Axle Load
104.00(B)	87.4	-66.04	N/A	10.44	Axle Load	-73.88	Axle Load
107.10(B)	90.0	-70.82	N/A	10.44	Axle Load	-75.34	Axle Load
108.86(L)	91.5	-73.53	N/A	10.44	Axle Load	-76.07	Axle Load
108.86(R)	91.5	-73.61	N/A	10.44	Axle Load	-76.07	Axle Load
108.93(B)	91.5	-73.73	N/A	10.44	Axle Load	-76.10	Axle Load
109.01(L)	91.6	-73.84	N/A	10.44	Axle Load	-76.13	Axle Load
109.01(R)	91.6	-73.92	N/A	10.44	Axle Load	-76.13	Axle Load
114.00(B)	95.8	-81.62	N/A	10.57	Axle Load	-78.87	Axle Load
119.00(L)	100.0	-89.32	N/A	10.57	Axle Load	-80.18	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	89.42	N/A	80.19	Axle Load	-10.58	Axle Load
0.93(B)	0.8	87.99	N/A	74.97	Axle Load	-9.92	Axle Load
1.86(L)	1.6	86.56	N/A	74.76	Axle Load	-9.92	Axle Load
1.86(R)	1.6	86.48	N/A	74.76	Axle Load	-9.92	Axle Load
2.03(B)	1.7	86.21	N/A	74.72	Axle Load	-9.92	Axle Load
2.21(L)	1.9	85.94	N/A	74.68	Axle Load	-9.92	Axle Load
2.21(R)	1.9	85.86	N/A	74.68	Axle Load	-9.92	Axle Load
8.13(B)	6.8	76.73	N/A	72.97	Axle Load	-9.92	Axle Load
11.90(B)	10.0	70.92	N/A	71.54	Axle Load	-9.92	Axle Load
14.06(L)	11.8	67.60	N/A	70.58	Axle Load	-9.92	Axle Load
14.06(R)	11.8	67.52	N/A	70.58	Axle Load	-9.92	Axle Load

14.13(B)	11.9	67.40	N/A	70.55	Axle Load	-9.92	Axle Load
14.21(L)	11.9	67.29	N/A	70.52	Axle Load	-9.92	Axle Load
14.21(R)	11.9	67.21	N/A	70.52	Axle Load	-9.92	Axle Load
15.00(B)	12.6	65.99	N/A	70.16	Axle Load	-9.92	Axle Load
20.06(B)	16.9	58.56	N/A	67.58	Axle Load	-9.92	Axle Load
23.50(B)	19.7	53.52	N/A	65.58	Axle Load	-9.92	Axle Load
23.80(B)	20.0	53.08	N/A	65.40	Axle Load	-9.92	Axle Load
25.91(L)	21.8	49.98	N/A	64.08	Axle Load	-9.92	Axle Load
25.91(R)	21.8	49.90	N/A	64.08	Axle Load	-9.92	Axle Load
25.98(B)	21.8	49.79	N/A	64.03	Axle Load	-9.92	Axle Load
26.06(L)	21.9	49.68	N/A	63.98	Axle Load	-9.92	Axle Load
26.06(R)	21.9	49.60	N/A	63.98	Axle Load	-9.92	Axle Load
31.91(B)	26.8	41.02	N/A	60.03	Axle Load	-9.92	Axle Load
35.70(B)	30.0	35.46	N/A	57.25	Axle Load	-9.92	Axle Load
37.76(L)	31.7	32.44	N/A	55.67	Axle Load	-9.92	Axle Load
37.76(R)	31.7	32.36	N/A	55.67	Axle Load	-9.92	Axle Load
37.83(B)	31.8	32.25	N/A	55.61	Axle Load	-9.92	Axle Load
37.91(L)	31.9	32.14	N/A	55.56	Axle Load	-9.92	Axle Load
37.91(R)	31.9	32.06	N/A	55.56	Axle Load	-9.92	Axle Load
43.76(B)	36.8	23.47	N/A	50.90	Axle Load	-10.98	Axle Load
47.60(B)	40.0	17.84	N/A	47.71	Axle Load	-13.36	Axle Load
49.61(L)	41.7	14.89	N/A	46.00	Axle Load	-14.69	Axle Load
49.61(R)	41.7	14.81	N/A	46.00	Axle Load	-14.69	Axle Load
49.68(B)	41.8	14.70	N/A	45.94	Axle Load	-14.74	Axle Load
49.76(L)	41.8	14.59	N/A	45.87	Axle Load	-14.79	Axle Load
49.76(R)	41.8	14.51	N/A	45.87	Axle Load	-14.79	Axle Load
55.61(B)	46.7	5.93	N/A	40.82	Axle Load	-18.96	Axle Load
59.50(B)	50.0	0.22	N/A	37.54	Axle Load	-21.99	Axle Load
61.46(L)	51.6	-2.65	N/A	35.81	Axle Load	-23.54	Axle Load
61.46(R)	51.6	-2.73	N/A	35.81	Axle Load	-23.54	Axle Load
61.53(B)	51.7	-2.84	N/A	35.75	Axle Load	-23.60	Axle Load
61.61(L)	51.8	-2.95	N/A	35.68	Axle Load	-23.65	Axle Load
61.61(R)	51.8	-3.03	N/A	35.68	Axle Load	-23.65	Axle Load
67.46(B)	56.7	-11.62	N/A	30.84	Axle Load	-28.74	Axle Load
71.40(B)	60.0	-17.40	N/A	27.38	Axle Load	-32.12	Axle Load
73.31(L)	61.6	-20.20	N/A	25.73	Axle Load	-33.78	Axle Load
73.31(R)	61.6	-20.28	N/A	25.73	Axle Load	-33.78	Axle Load
73.38(B)	61.7	-20.39	N/A	25.67	Axle Load	-33.85	Axle Load
73.46(L)	61.7	-20.50	N/A	25.60	Axle Load	-33.91	Axle Load
73.46(R)	61.7	-20.58	N/A	25.60	Axle Load	-33.91	Axle Load
79.31(B)	66.6	-29.16	N/A	20.91	Axle Load	-39.60	Axle Load
83.30(B)	70.0	-35.01	N/A	17.62	Axle Load	-43.19	Axle Load
85.16(L)	71.6	-37.74	N/A	16.14	Axle Load	-44.86	Axle Load

85.16(R)	71.6	-37.82	N/A	16.14	Axle Load	-44.86	Axle Load
85.23(B)	71.6	-37.93	N/A	16.08	Axle Load	-44.93	Axle Load
85.31(L)	71.7	-38.04	N/A	16.02	Axle Load	-45.00	Axle Load
85.31(R)	71.7	-38.12	N/A	16.02	Axle Load	-45.00	Axle Load
91.16(B)	76.6	-46.70	N/A	11.68	Axle Load	-50.89	Axle Load
95.20(B)	80.0	-52.63	N/A	8.75	Axle Load	-54.49	Axle Load
95.50(B)	80.3	-53.07	N/A	8.55	Axle Load	-54.75	Axle Load
97.01(L)	81.5	-55.29	N/A	7.51	Axle Load	-56.07	Axle Load
97.01(R)	81.5	-55.37	N/A	7.51	Axle Load	-56.07	Axle Load
97.08(B)	81.6	-55.48	N/A	7.46	Axle Load	-56.13	Axle Load
97.16(L)	81.6	-55.59	N/A	7.41	Axle Load	-56.20	Axle Load
97.16(R)	81.6	-55.67	N/A	7.41	Axle Load	-56.20	Axle Load
103.01(B)	86.6	-64.25	N/A	3.68	Axle Load	-61.96	Axle Load
106.00(B)	89.1	-68.64	N/A	1.90	Axle Load	-64.43	Axle Load
107.10(B)	90.0	-70.33	N/A	1.28	Axle Load	-65.32	Axle Load
108.86(L)	91.5	-73.04	N/A	0.31	Axle Load	-66.72	Axle Load
108.86(R)	91.5	-73.12	N/A	0.31	Axle Load	-66.72	Axle Load
108.93(B)	91.5	-73.24	N/A	0.27	Axle Load	-66.77	Axle Load
109.01(L)	91.6	-73.35	N/A	0.23	Axle Load	-66.83	Axle Load
109.01(R)	91.6	-73.43	N/A	0.23	Axle Load	-66.83	Axle Load
114.00(B)	95.8	-81.13	N/A	0.00	Axle Load	-71.52	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-75.08	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	90.65	N/A	76.70	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	71.45	Axle Load	0.00	Axle Load
1.86(L)	2.0	87.79	N/A	70.98	Axle Load	0.00	Axle Load
1.86(R)	2.0	87.71	N/A	70.98	Axle Load	0.00	Axle Load
2.03(B)	2.1	87.44	N/A	70.89	Axle Load	0.00	Axle Load
2.21(L)	2.3	87.17	N/A	70.80	Axle Load	0.00	Axle Load
2.21(R)	2.3	87.09	N/A	70.80	Axle Load	0.00	Axle Load
8.58(B)	9.0	77.26	N/A	67.28	Axle Load	0.00	Axle Load
9.52(B)	10.0	75.81	N/A	66.72	Axle Load	-0.02	Axle Load
13.00(B)	13.6	70.46	N/A	64.57	Axle Load	-1.38	Axle Load
14.96(L)	15.7	67.58	N/A	63.31	Axle Load	-2.21	Axle Load
14.96(R)	15.7	67.50	N/A	63.31	Axle Load	-2.21	Axle Load
15.25(B)	16.0	67.08	N/A	63.12	Axle Load	-2.34	Axle Load
15.54(L)	16.3	66.65	N/A	62.93	Axle Load	-2.46	Axle Load
15.54(R)	16.3	66.57	N/A	62.93	Axle Load	-2.46	Axle Load
19.05(B)	20.0	61.42	N/A	60.53	Axle Load	-4.06	Axle Load

21.62(B)	22.7	57.65	N/A	58.69	Axle Load	-5.32	Axle Load
23.50(B)	24.7	54.89	N/A	57.31	Axle Load	-6.28	Axle Load
27.71(L)	29.1	48.72	N/A	54.11	Axle Load	-8.58	Axle Load
27.71(R)	29.1	48.64	N/A	54.11	Axle Load	-8.58	Axle Load
28.00(B)	29.4	48.21	N/A	53.88	Axle Load	-8.75	Axle Load
28.29(L)	29.7	47.79	N/A	53.65	Axle Load	-8.92	Axle Load
28.29(R)	29.7	47.71	N/A	53.65	Axle Load	-8.92	Axle Load
28.58(B)	30.0	47.29	N/A	53.43	Axle Load	-9.08	Axle Load
34.37(B)	36.1	38.78	N/A	48.72	Axle Load	-12.64	Axle Load
38.10(B)	40.0	33.32	N/A	45.55	Axle Load	-15.10	Axle Load
40.46(L)	42.5	29.85	N/A	43.49	Axle Load	-16.74	Axle Load
40.46(R)	42.5	29.77	N/A	43.49	Axle Load	-16.74	Axle Load
40.75(B)	42.8	29.35	N/A	43.23	Axle Load	-16.94	Axle Load
41.04(L)	43.1	28.92	N/A	42.98	Axle Load	-17.15	Axle Load
41.04(R)	43.1	28.84	N/A	42.98	Axle Load	-17.15	Axle Load
47.12(B)	49.5	19.92	N/A	37.48	Axle Load	-21.65	Axle Load
47.63(B)	50.0	19.18	N/A	37.13	Axle Load	-22.10	Axle Load
53.21(L)	55.9	10.99	N/A	32.17	Axle Load	-26.81	Axle Load
53.21(R)	55.9	10.91	N/A	32.17	Axle Load	-26.81	Axle Load
53.50(B)	56.2	10.48	N/A	31.88	Axle Load	-27.05	Axle Load
53.79(L)	56.5	10.06	N/A	31.60	Axle Load	-27.29	Axle Load
53.79(R)	56.5	9.98	N/A	31.60	Axle Load	-27.29	Axle Load
57.15(B)	60.0	5.05	N/A	28.32	Axle Load	-30.14	Axle Load
59.87(B)	62.9	1.05	N/A	25.62	Axle Load	-32.51	Axle Load
65.96(L)	69.2	-7.88	N/A	19.73	Axle Load	-38.46	Axle Load
65.96(R)	69.2	-7.96	N/A	19.73	Axle Load	-38.46	Axle Load
66.25(B)	69.6	-8.38	N/A	19.44	Axle Load	-38.74	Axle Load
66.54(L)	69.9	-8.81	N/A	19.14	Axle Load	-39.01	Axle Load
66.54(R)	69.9	-8.89	N/A	19.14	Axle Load	-39.01	Axle Load
66.68(B)	70.0	-9.09	N/A	19.00	Axle Load	-39.13	Axle Load
72.62(B)	76.2	-17.81	N/A	13.58	Axle Load	-45.36	Axle Load
76.20(B)	80.0	-23.06	N/A	10.42	Axle Load	-48.90	Axle Load
78.71(L)	82.6	-26.74	N/A	8.19	Axle Load	-51.43	Axle Load
78.71(R)	82.6	-26.82	N/A	8.19	Axle Load	-51.43	Axle Load
79.00(B)	82.9	-27.25	N/A	7.93	Axle Load	-51.72	Axle Load
79.29(L)	83.2	-27.67	N/A	7.68	Axle Load	-52.01	Axle Load
79.29(R)	83.2	-27.75	N/A	7.68	Axle Load	-52.01	Axle Load
85.37(B)	89.6	-36.68	N/A	7.29	Axle Load	-58.95	Axle Load
85.72(B)	90.0	-37.19	N/A	7.29	Axle Load	-59.32	Axle Load
91.46(L)	96.0	-45.61	N/A	7.37	Axle Load	-66.17	Axle Load
91.46(R)	96.0	-45.69	N/A	7.37	Axle Load	-66.17	Axle Load
91.75(B)	96.3	-46.11	N/A	7.37	Axle Load	-66.48	Axle Load
92.04(L)	96.6	-46.54	N/A	7.37	Axle Load	-66.79	Axle Load

92.04(R)	96.6	-46.62	N/A	7.37	Axle Load	-66.79	Axle Load
93.64(B)	98.3	-48.97	N/A	7.37	Axle Load	-68.53	Axle Load
95.25(L)	100.0	-51.33	N/A	7.37	Axle Load	-70.27	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: SU7
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	70.93	Axle Load	-7.69	Axle Load
2	179.47	N/A	90.41	Axle Load	0.00	Axle Load
3	178.74	N/A	90.50	Axle Load	-11.72	Axle Load
4	179.48	N/A	90.74	Axle Load	0.00	Axle Load
5	51.33	N/A	75.35	Axle Load	-8.18	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: SU7
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	163.76	Axle Load	-18.75	Axle Load
6.64(L)	7.0	308.14	N/A	309.38	Axle Load	-37.50	Axle Load
6.64(R)	7.0	308.14	N/A	309.38	Axle Load	-37.50	Axle Load
9.52(B)	10.0	421.44	N/A	426.56	Axle Load	-53.80	Axle Load
13.11(B)	13.8	545.33	N/A	558.59	Axle Load	-74.08	Axle Load
19.05(B)	20.0	708.73	N/A	741.36	Axle Load	-107.60	Axle Load
19.59(L)	20.6	721.01	N/A	756.04	Axle Load	-110.65	Axle Load
19.59(R)	20.6	721.01	N/A	756.04	Axle Load	-110.65	Axle Load

26.06(B)	27.4	834.15	N/A	897.47	Axle Load	-147.23	Axle Load
28.58(B)	30.0	861.47	N/A	935.65	Axle Load	-161.41	Axle Load
32.54(L)	34.2	885.78	N/A	977.81	Axle Load	-183.80	Axle Load
32.54(R)	34.2	885.78	N/A	977.81	Axle Load	-183.80	Axle Load
38.10(B)	40.0	880.13	N/A	1006.22	Axle Load	-215.21	Axle Load
39.01(B)	41.0	874.86	N/A	1008.18	Axle Load	-220.37	Axle Load
45.49(L)	47.8	802.44	N/A	993.47	Axle Load	-256.95	Axle Load
45.49(R)	47.8	802.44	N/A	993.47	Axle Load	-256.95	Axle Load
47.63(B)	50.0	764.72	N/A	979.17	Axle Load	-269.01	Axle Load
51.96(B)	54.6	667.47	N/A	934.57	Axle Load	-293.52	Axle Load
57.15(B)	60.0	515.02	N/A	861.89	Axle Load	-322.81	Axle Load
58.44(L)	61.4	470.99	N/A	839.85	Axle Load	-330.10	Axle Load
58.44(R)	61.4	470.99	N/A	839.85	Axle Load	-330.10	Axle Load
64.91(B)	68.2	211.97	N/A	707.00	Axle Load	-366.67	Axle Load
66.68(B)	70.0	130.91	N/A	664.90	Axle Load	-376.62	Axle Load
71.39(L)	74.9	-108.56	N/A	525.81	Axle Load	-390.99	Axle Load
71.39(R)	74.9	-108.56	N/A	525.81	Axle Load	-390.99	Axle Load
71.75(B)	75.3	-128.27	N/A	516.26	Axle Load	-392.97	Axle Load
76.20(B)	80.0	-387.28	N/A	392.62	Axle Load	-417.34	Axle Load
77.86(B)	81.7	-491.63	N/A	344.36	Axle Load	-426.46	Axle Load
82.25(B)	86.4	-786.02	N/A	213.40	Axle Load	-450.48	Axle Load
84.34(L)	88.5	-936.37	N/A	149.81	Axle Load	-461.92	Axle Load
84.34(R)	88.5	-936.37	N/A	149.81	Axle Load	-461.92	Axle Load
85.72(B)	90.0	-1040.00	N/A	106.49	Axle Load	-469.51	Axle Load
89.79(B)	94.3	-1361.49	N/A	0.00	Axle Load	-491.80	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-605.87	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-605.87	Axle Load
1.02(B)	0.9	-1742.59	N/A	0.00	Axle Load	-597.90	Axle Load
2.04(L)	1.7	-1654.31	N/A	0.00	Axle Load	-589.93	Axle Load
2.04(R)	1.7	-1654.31	N/A	0.00	Axle Load	-589.93	Axle Load
2.12(B)	1.8	-1647.03	N/A	0.00	Axle Load	-589.26	Axle Load
2.21(L)	1.9	-1639.76	N/A	0.00	Axle Load	-588.60	Axle Load
2.21(R)	1.9	-1639.76	N/A	0.00	Axle Load	-588.60	Axle Load
8.13(B)	6.8	-1160.99	N/A	86.39	Axle Load	-542.28	Axle Load
11.90(B)	10.0	-884.84	N/A	201.58	Axle Load	-512.84	Axle Load
13.00(B)	10.9	-808.29	N/A	234.26	Axle Load	-504.24	Axle Load
14.06(L)	11.8	-736.29	N/A	264.82	Axle Load	-495.96	Axle Load
14.06(R)	11.8	-736.29	N/A	264.82	Axle Load	-495.96	Axle Load

14.13(B)	11.9	-731.26	N/A	266.97	Axle Load	-495.37	Axle Load
14.21(L)	11.9	-726.24	N/A	269.12	Axle Load	-494.79	Axle Load
14.21(R)	11.9	-726.24	N/A	269.12	Axle Load	-494.79	Axle Load
20.06(B)	16.9	-360.52	N/A	427.20	Axle Load	-449.05	Axle Load
23.50(B)	19.7	-168.88	N/A	510.48	Axle Load	-422.15	Axle Load
23.80(B)	20.0	-152.99	N/A	517.31	Axle Load	-419.81	Axle Load
25.91(L)	21.8	-45.01	N/A	548.46	Axle Load	-392.38	Axle Load
25.91(R)	21.8	-45.01	N/A	548.46	Axle Load	-392.38	Axle Load
25.98(B)	21.8	-41.30	N/A	550.01	Axle Load	-391.81	Axle Load
26.06(L)	21.9	-37.59	N/A	551.54	Axle Load	-391.24	Axle Load
26.06(R)	21.9	-37.59	N/A	551.54	Axle Load	-391.24	Axle Load
31.91(B)	26.8	225.48	N/A	657.60	Axle Load	-346.75	Axle Load
35.70(B)	30.0	369.14	N/A	711.14	Axle Load	-317.92	Axle Load
37.76(L)	31.7	438.35	N/A	734.89	Axle Load	-302.25	Axle Load
37.76(R)	31.7	438.35	N/A	734.89	Axle Load	-302.25	Axle Load
37.83(B)	31.8	440.75	N/A	735.68	Axle Load	-301.68	Axle Load
37.91(L)	31.9	443.14	N/A	736.46	Axle Load	-301.11	Axle Load
37.91(R)	31.9	443.14	N/A	736.46	Axle Load	-301.11	Axle Load
43.76(B)	36.8	603.58	N/A	786.69	Axle Load	-256.62	Axle Load
47.60(B)	40.0	681.61	N/A	802.94	Axle Load	-227.41	Axle Load
49.61(L)	41.7	713.81	N/A	805.97	Axle Load	-212.12	Axle Load
49.61(R)	41.7	713.81	N/A	805.97	Axle Load	-212.12	Axle Load
49.68(B)	41.8	714.90	N/A	806.01	Axle Load	-211.55	Axle Load
49.76(L)	41.8	715.97	N/A	806.05	Axle Load	-210.98	Axle Load
49.76(R)	41.8	715.97	N/A	806.05	Axle Load	-210.98	Axle Load
55.61(B)	46.7	773.77	N/A	794.40	Axle Load	-166.49	Axle Load
59.50(B)	50.0	784.42	N/A	770.65	Axle Load	-136.90	Axle Load
61.46(L)	51.6	781.37	N/A	753.56	Axle Load	-121.99	Axle Load
61.46(R)	51.6	781.37	N/A	753.56	Axle Load	-121.99	Axle Load
61.53(B)	51.7	781.13	N/A	752.84	Axle Load	-121.42	Axle Load
61.61(L)	51.8	780.89	N/A	752.10	Axle Load	-120.85	Axle Load
61.61(R)	51.8	780.89	N/A	752.10	Axle Load	-120.85	Axle Load
67.46(B)	56.7	736.06	N/A	682.63	Axle Load	-76.36	Axle Load
71.40(B)	60.0	677.56	N/A	622.44	Axle Load	-46.39	Axle Load
73.31(L)	61.6	641.02	N/A	590.11	Axle Load	-31.86	Axle Load
73.31(R)	61.6	641.02	N/A	590.11	Axle Load	-31.86	Axle Load
73.38(B)	61.7	639.47	N/A	588.77	Axle Load	-31.29	Axle Load
73.46(L)	61.7	637.91	N/A	587.42	Axle Load	-30.72	Axle Load
73.46(R)	61.7	637.91	N/A	587.42	Axle Load	-30.72	Axle Load
79.31(B)	66.6	490.44	N/A	472.39	Axle Load	-5.32	Axle Load
83.30(B)	70.0	361.03	N/A	388.07	Axle Load	-48.12	Axle Load
85.16(L)	71.6	292.76	N/A	347.77	Axle Load	-78.59	Axle Load
85.16(R)	71.6	292.76	N/A	347.77	Axle Load	-78.59	Axle Load

85.23(B)	71.6	289.89	N/A	346.17	Axle Load	-79.95	Axle Load
85.31(L)	71.7	287.02	N/A	344.57	Axle Load	-81.30	Axle Load
85.31(R)	71.7	287.02	N/A	344.57	Axle Load	-81.30	Axle Load
91.16(B)	76.6	36.91	N/A	223.27	Axle Load	-212.15	Axle Load
95.20(B)	80.0	-165.15	N/A	153.32	Axle Load	-326.67	Axle Load
95.50(B)	80.3	-181.11	N/A	148.52	Axle Load	-335.68	Axle Load
97.01(L)	81.5	-263.41	N/A	148.39	Axle Load	-383.38	Axle Load
97.01(R)	81.5	-263.41	N/A	148.39	Axle Load	-383.38	Axle Load
97.08(B)	81.6	-267.59	N/A	148.97	Axle Load	-385.83	Axle Load
97.16(L)	81.6	-271.78	N/A	149.54	Axle Load	-388.28	Axle Load
97.16(R)	81.6	-271.78	N/A	149.54	Axle Load	-388.28	Axle Load
103.01(B)	86.6	-624.52	N/A	194.03	Axle Load	-589.60	Axle Load
104.00(B)	87.4	-689.23	N/A	201.56	Axle Load	-625.95	Axle Load
107.10(B)	90.0	-901.36	N/A	225.14	Axle Load	-744.17	Axle Load
108.86(L)	91.5	-1028.35	N/A	238.52	Axle Load	-814.36	Axle Load
108.86(R)	91.5	-1028.35	N/A	238.52	Axle Load	-814.36	Axle Load
108.93(B)	91.5	-1033.88	N/A	239.09	Axle Load	-817.39	Axle Load
109.01(L)	91.6	-1039.41	N/A	239.67	Axle Load	-820.41	Axle Load
109.01(R)	91.6	-1039.41	N/A	239.67	Axle Load	-820.41	Axle Load
114.00(B)	95.8	-1427.90	N/A	277.66	Axle Load	-1025.70	Axle Load
119.00(L)	100.0	-1854.85	N/A	315.65	Axle Load	-1242.15	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1854.80	N/A	315.78	Axle Load	-1241.82	Axle Load
0.93(B)	0.8	-1772.33	N/A	308.71	Axle Load	-1200.72	Axle Load
1.86(L)	1.6	-1691.19	N/A	301.64	Axle Load	-1160.14	Axle Load
1.86(R)	1.6	-1691.19	N/A	301.64	Axle Load	-1160.14	Axle Load
2.03(B)	1.7	-1676.08	N/A	300.30	Axle Load	-1152.66	Axle Load
2.21(L)	1.9	-1661.02	N/A	298.97	Axle Load	-1145.18	Axle Load
2.21(R)	1.9	-1661.02	N/A	298.97	Axle Load	-1145.18	Axle Load
8.13(B)	6.8	-1179.36	N/A	253.89	Axle Load	-894.98	Axle Load
11.90(B)	10.0	-901.36	N/A	225.24	Axle Load	-744.29	Axle Load
14.06(L)	11.8	-751.80	N/A	208.81	Axle Load	-661.69	Axle Load
14.06(R)	11.8	-751.80	N/A	208.81	Axle Load	-661.69	Axle Load
14.13(B)	11.9	-746.74	N/A	208.23	Axle Load	-658.86	Axle Load
14.21(L)	11.9	-741.69	N/A	207.66	Axle Load	-656.02	Axle Load
14.21(R)	11.9	-741.69	N/A	207.66	Axle Load	-656.02	Axle Load
15.00(B)	12.6	-689.04	N/A	201.65	Axle Load	-626.15	Axle Load
20.06(B)	16.9	-373.96	N/A	163.15	Axle Load	-446.69	Axle Load
23.50(B)	19.7	-181.15	N/A	147.54	Axle Load	-335.77	Axle Load

23.80(B)	20.0	-165.16	N/A	152.28	Axle Load	-326.79	Axle Load
25.91(L)	21.8	-56.46	N/A	189.35	Axle Load	-264.55	Axle Load
25.91(R)	21.8	-56.46	N/A	189.35	Axle Load	-264.55	Axle Load
25.98(B)	21.8	-52.72	N/A	190.65	Axle Load	-262.50	Axle Load
26.06(L)	21.9	-48.99	N/A	191.96	Axle Load	-260.46	Axle Load
26.06(R)	21.9	-48.99	N/A	191.96	Axle Load	-260.46	Axle Load
31.91(B)	26.8	216.08	N/A	306.36	Axle Load	-115.96	Axle Load
35.70(B)	30.0	361.02	N/A	387.75	Axle Load	-48.17	Axle Load
37.76(L)	31.7	430.94	N/A	431.96	Axle Load	-21.81	Axle Load
37.76(R)	31.7	430.94	N/A	431.96	Axle Load	-21.81	Axle Load
37.83(B)	31.8	433.36	N/A	433.54	Axle Load	-21.00	Axle Load
37.91(L)	31.9	435.77	N/A	435.12	Axle Load	-20.20	Axle Load
37.91(R)	31.9	435.77	N/A	435.12	Axle Load	-20.20	Axle Load
43.76(B)	36.8	598.20	N/A	554.11	Axle Load	-17.18	Axle Load
47.60(B)	40.0	677.54	N/A	622.78	Axle Load	-46.41	Axle Load
49.61(L)	41.7	710.43	N/A	654.84	Axle Load	-61.70	Axle Load
49.61(R)	41.7	710.43	N/A	654.84	Axle Load	-61.70	Axle Load
49.68(B)	41.8	711.53	N/A	655.97	Axle Load	-62.27	Axle Load
49.76(L)	41.8	712.63	N/A	657.10	Axle Load	-62.84	Axle Load
49.76(R)	41.8	712.63	N/A	657.10	Axle Load	-62.84	Axle Load
55.61(B)	46.7	772.43	N/A	733.42	Axle Load	-107.35	Axle Load
59.50(B)	50.0	784.39	N/A	770.45	Axle Load	-136.95	Axle Load
61.46(L)	51.6	782.01	N/A	784.35	Axle Load	-151.86	Axle Load
61.46(R)	51.6	782.01	N/A	784.35	Axle Load	-151.86	Axle Load
61.53(B)	51.7	781.80	N/A	784.81	Axle Load	-152.43	Axle Load
61.61(L)	51.8	781.59	N/A	785.26	Axle Load	-153.00	Axle Load
61.61(R)	51.8	781.59	N/A	785.26	Axle Load	-153.00	Axle Load
67.46(B)	56.7	738.74	N/A	805.36	Axle Load	-197.52	Axle Load
71.40(B)	60.0	681.58	N/A	803.12	Axle Load	-227.50	Axle Load
73.31(L)	61.6	645.69	N/A	796.75	Axle Load	-242.03	Axle Load
73.31(R)	61.6	645.69	N/A	796.75	Axle Load	-242.03	Axle Load
73.38(B)	61.7	644.17	N/A	796.42	Axle Load	-242.60	Axle Load
73.46(L)	61.7	642.63	N/A	796.08	Axle Load	-243.17	Axle Load
73.46(R)	61.7	642.63	N/A	796.08	Axle Load	-243.17	Axle Load
79.31(B)	66.6	497.15	N/A	754.39	Axle Load	-287.68	Axle Load
83.30(B)	70.0	369.10	N/A	710.85	Axle Load	-318.05	Axle Load
85.16(L)	71.6	301.46	N/A	686.69	Axle Load	-332.20	Axle Load
85.16(R)	71.6	301.46	N/A	686.69	Axle Load	-332.20	Axle Load
85.23(B)	71.6	298.62	N/A	685.63	Axle Load	-332.77	Axle Load
85.31(L)	71.7	295.77	N/A	684.56	Axle Load	-333.34	Axle Load
85.31(R)	71.7	295.77	N/A	684.56	Axle Load	-333.34	Axle Load
91.16(B)	76.6	47.65	N/A	586.74	Axle Load	-377.85	Axle Load
95.20(B)	80.0	-153.04	N/A	516.96	Axle Load	-419.98	Axle Load

95.50(B)	80.3	-168.89	N/A	510.22	Axle Load	-422.33	Axle Load
97.01(L)	81.5	-250.67	N/A	475.15	Axle Load	-434.14	Axle Load
97.01(R)	81.5	-250.67	N/A	475.15	Axle Load	-434.14	Axle Load
97.08(B)	81.6	-254.83	N/A	473.34	Axle Load	-434.72	Axle Load
97.16(L)	81.6	-258.99	N/A	471.52	Axle Load	-435.31	Axle Load
97.16(R)	81.6	-258.99	N/A	471.52	Axle Load	-435.31	Axle Load
103.01(B)	86.6	-609.75	N/A	319.24	Axle Load	-481.06	Axle Load
106.00(B)	89.1	-808.45	N/A	233.80	Axle Load	-504.45	Axle Load
107.10(B)	90.0	-884.89	N/A	201.19	Axle Load	-513.05	Axle Load
108.86(L)	91.5	-1011.02	N/A	148.62	Axle Load	-526.82	Axle Load
108.86(R)	91.5	-1011.02	N/A	148.62	Axle Load	-526.82	Axle Load
108.93(B)	91.5	-1016.50	N/A	146.32	Axle Load	-527.40	Axle Load
109.01(L)	91.6	-1022.00	N/A	144.01	Axle Load	-527.99	Axle Load
109.01(R)	91.6	-1022.00	N/A	144.01	Axle Load	-527.99	Axle Load
114.00(B)	95.8	-1408.06	N/A	0.00	Axle Load	-567.06	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-606.13	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-606.13	Axle Load
0.93(B)	1.0	-1748.95	N/A	0.00	Axle Load	-568.37	Axle Load
1.86(L)	2.0	-1666.67	N/A	0.00	Axle Load	-531.15	Axle Load
1.86(R)	2.0	-1666.67	N/A	0.00	Axle Load	-531.15	Axle Load
2.03(B)	2.1	-1651.34	N/A	0.00	Axle Load	-524.18	Axle Load
2.21(L)	2.3	-1636.07	N/A	0.00	Axle Load	-517.21	Axle Load
2.21(R)	2.3	-1636.07	N/A	0.00	Axle Load	-517.21	Axle Load
8.58(B)	9.0	-1112.19	N/A	78.15	Axle Load	-475.01	Axle Load
9.52(B)	10.0	-1040.20	N/A	106.55	Axle Load	-469.86	Axle Load
13.00(B)	13.6	-786.05	N/A	213.30	Axle Load	-450.81	Axle Load
14.96(L)	15.7	-650.81	N/A	272.22	Axle Load	-440.07	Axle Load
14.96(R)	15.7	-650.81	N/A	272.22	Axle Load	-440.07	Axle Load
15.25(B)	16.0	-631.30	N/A	280.82	Axle Load	-438.48	Axle Load
15.54(L)	16.3	-611.91	N/A	289.41	Axle Load	-436.89	Axle Load
15.54(R)	16.3	-611.91	N/A	289.41	Axle Load	-436.89	Axle Load
19.05(B)	20.0	-387.24	N/A	392.23	Axle Load	-417.65	Axle Load
21.62(B)	22.7	-233.97	N/A	465.29	Axle Load	-403.54	Axle Load
23.50(B)	24.7	-128.43	N/A	515.91	Axle Load	-393.26	Axle Load
27.71(L)	29.1	89.65	N/A	643.25	Axle Load	-381.79	Axle Load
27.71(R)	29.1	89.65	N/A	643.25	Axle Load	-381.79	Axle Load
28.00(B)	29.4	103.69	N/A	650.52	Axle Load	-380.15	Axle Load
28.29(L)	29.7	117.61	N/A	657.70	Axle Load	-378.51	Axle Load

28.29(R)	29.7	117.61	N/A	657.70	Axle Load	-378.51	Axle Load
28.58(B)	30.0	131.18	N/A	664.69	Axle Load	-376.90	Axle Load
34.37(B)	36.1	380.76	N/A	793.69	Axle Load	-344.11	Axle Load
38.10(B)	40.0	515.06	N/A	861.85	Axle Load	-323.05	Axle Load
40.46(L)	42.5	589.58	N/A	898.29	Axle Load	-309.72	Axle Load
40.46(R)	42.5	589.58	N/A	898.29	Axle Load	-309.72	Axle Load
40.75(B)	42.8	598.15	N/A	902.32	Axle Load	-308.08	Axle Load
41.04(L)	43.1	606.60	N/A	906.24	Axle Load	-306.44	Axle Load
41.04(R)	43.1	606.60	N/A	906.24	Axle Load	-306.44	Axle Load
47.12(B)	49.5	754.95	N/A	975.14	Axle Load	-272.04	Axle Load
47.63(B)	50.0	764.73	N/A	979.24	Axle Load	-269.21	Axle Load
53.21(L)	55.9	848.97	N/A	1007.18	Axle Load	-237.64	Axle Load
53.21(R)	55.9	848.97	N/A	1007.18	Axle Load	-237.64	Axle Load
53.50(B)	56.2	852.08	N/A	1007.79	Axle Load	-236.01	Axle Load
53.79(L)	56.5	855.05	N/A	1008.28	Axle Load	-234.37	Axle Load
53.79(R)	56.5	855.05	N/A	1008.28	Axle Load	-234.37	Axle Load
57.15(B)	60.0	880.30	N/A	1006.16	Axle Load	-215.37	Axle Load
59.87(B)	62.9	888.61	N/A	994.58	Axle Load	-199.97	Axle Load
65.96(L)	69.2	867.84	N/A	944.96	Axle Load	-165.57	Axle Load
65.96(R)	69.2	867.84	N/A	944.96	Axle Load	-165.57	Axle Load
66.25(B)	69.6	865.47	N/A	941.32	Axle Load	-163.93	Axle Load
66.54(L)	69.9	862.98	N/A	937.56	Axle Load	-162.29	Axle Load
66.54(R)	69.9	862.98	N/A	937.56	Axle Load	-162.29	Axle Load
66.68(B)	70.0	861.76	N/A	935.76	Axle Load	-161.53	Axle Load
72.62(B)	76.2	781.74	N/A	830.28	Axle Load	-127.90	Axle Load
76.20(B)	80.0	708.66	N/A	741.29	Axle Load	-107.68	Axle Load
78.71(L)	82.6	646.17	N/A	667.01	Axle Load	-93.50	Axle Load
78.71(R)	82.6	646.17	N/A	667.01	Axle Load	-93.50	Axle Load
79.00(B)	82.9	638.33	N/A	657.79	Axle Load	-91.86	Axle Load
79.29(L)	83.2	630.37	N/A	648.72	Axle Load	-90.22	Axle Load
79.29(R)	83.2	630.37	N/A	648.72	Axle Load	-90.22	Axle Load
85.37(B)	89.6	434.33	N/A	440.35	Axle Load	-55.82	Axle Load
85.72(B)	90.0	421.39	N/A	426.54	Axle Load	-53.84	Axle Load
91.46(L)	96.0	183.98	N/A	185.52	Axle Load	-21.43	Axle Load
91.46(R)	96.0	183.98	N/A	185.52	Axle Load	-21.43	Axle Load
91.75(B)	96.3	170.67	N/A	172.16	Axle Load	-19.79	Axle Load
92.04(L)	96.6	157.23	N/A	158.67	Axle Load	-18.15	Axle Load
92.04(R)	96.6	157.23	N/A	158.67	Axle Load	-18.15	Axle Load
93.64(B)	98.3	80.51	N/A	81.47	Axle Load	-9.07	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

*** indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary

Live Load: SU7

Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	70.93	Axle Load	-7.69	Axle Load
3.32(B)	3.5	46.41	N/A	67.18	Axle Load	-7.69	Axle Load
6.64(L)	7.0	41.54	N/A	63.46	Axle Load	-7.69	Axle Load
6.64(R)	7.0	41.38	N/A	63.46	Axle Load	-7.69	Axle Load
9.52(B)	10.0	37.15	N/A	60.25	Axle Load	-7.69	Axle Load
13.11(B)	13.8	31.88	N/A	56.31	Axle Load	-7.69	Axle Load
19.05(B)	20.0	23.17	N/A	49.92	Axle Load	-8.98	Axle Load
19.59(L)	20.6	22.38	N/A	49.35	Axle Load	-9.44	Axle Load
19.59(R)	20.6	22.22	N/A	49.35	Axle Load	-9.44	Axle Load
26.06(B)	27.4	12.72	N/A	42.62	Axle Load	-15.67	Axle Load
28.58(B)	30.0	9.04	N/A	40.09	Axle Load	-18.08	Axle Load
32.54(L)	34.2	3.22	N/A	36.19	Axle Load	-22.28	Axle Load
32.54(R)	34.2	3.06	N/A	36.19	Axle Load	-22.28	Axle Load
38.10(B)	40.0	-5.09	N/A	30.90	Axle Load	-28.43	Axle Load
39.01(B)	41.0	-6.44	N/A	30.06	Axle Load	-29.43	Axle Load
45.49(L)	47.8	-15.93	N/A	24.31	Axle Load	-36.39	Axle Load
45.49(R)	47.8	-16.09	N/A	24.31	Axle Load	-36.39	Axle Load
47.63(B)	50.0	-19.23	N/A	22.58	Axle Load	-38.76	Axle Load
51.96(B)	54.6	-25.59	N/A	19.05	Axle Load	-43.25	Axle Load
57.15(B)	60.0	-33.20	N/A	15.24	Axle Load	-48.91	Axle Load
58.44(L)	61.4	-35.09	N/A	14.29	Axle Load	-50.18	Axle Load
58.44(R)	61.4	-35.25	N/A	14.29	Axle Load	-50.18	Axle Load
64.91(B)	68.2	-44.75	N/A	9.97	Axle Load	-57.07	Axle Load
66.68(B)	70.0	-47.34	N/A	8.84	Axle Load	-58.71	Axle Load
71.39(L)	74.9	-54.25	N/A	6.01	Axle Load	-62.96	Axle Load
71.39(R)	74.9	-54.41	N/A	6.01	Axle Load	-62.96	Axle Load
71.75(B)	75.3	-54.94	N/A	5.87	Axle Load	-64.04	Axle Load
76.20(B)	80.0	-61.47	N/A	3.43	Axle Load	-67.88	Axle Load
77.86(B)	81.7	-63.91	N/A	2.58	Axle Load	-69.26	Axle Load

82.25(B)	86.4	-70.35	N/A	0.53	Axle Load	-73.60	Axle Load
84.34(L)	88.5	-73.57	N/A	0.00	Axle Load	-75.20	Axle Load
84.34(R)	88.5	-73.73	N/A	0.00	Axle Load	-75.20	Axle Load
85.72(B)	90.0	-75.86	N/A	0.00	Axle Load	-76.22	Axle Load
89.79(B)	94.3	-82.13	N/A	0.00	Axle Load	-79.10	Axle Load
95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-83.60	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	81.36	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	75.82	Axle Load	0.00	Axle Load
2.04(L)	1.7	85.79	N/A	75.05	Axle Load	0.00	Axle Load
2.04(R)	1.7	85.71	N/A	75.05	Axle Load	0.00	Axle Load
2.12(B)	1.8	85.58	N/A	74.98	Axle Load	0.00	Axle Load
2.21(L)	1.9	85.45	N/A	74.92	Axle Load	0.00	Axle Load
2.21(R)	1.9	85.37	N/A	74.92	Axle Load	0.00	Axle Load
8.13(B)	6.8	76.24	N/A	70.16	Axle Load	0.00	Axle Load
11.90(B)	10.0	70.44	N/A	66.94	Axle Load	0.00	Axle Load
13.00(B)	10.9	68.74	N/A	65.97	Axle Load	-0.61	Axle Load
14.06(L)	11.8	67.19	N/A	65.03	Axle Load	-1.23	Axle Load
14.06(R)	11.8	67.11	N/A	65.03	Axle Load	-1.23	Axle Load
14.13(B)	11.9	67.00	N/A	64.97	Axle Load	-1.28	Axle Load
14.21(L)	11.9	66.89	N/A	64.90	Axle Load	-1.32	Axle Load
14.21(R)	11.9	66.81	N/A	64.90	Axle Load	-1.32	Axle Load
20.06(B)	16.9	58.22	N/A	59.55	Axle Load	-5.01	Axle Load
23.50(B)	19.7	53.18	N/A	56.30	Axle Load	-7.41	Axle Load
23.80(B)	20.0	52.74	N/A	56.01	Axle Load	-7.62	Axle Load
25.91(L)	21.8	49.64	N/A	53.99	Axle Load	-9.17	Axle Load
25.91(R)	21.8	49.56	N/A	53.99	Axle Load	-9.17	Axle Load
25.98(B)	21.8	49.45	N/A	53.92	Axle Load	-9.23	Axle Load
26.06(L)	21.9	49.34	N/A	53.84	Axle Load	-9.29	Axle Load
26.06(R)	21.9	49.26	N/A	53.84	Axle Load	-9.29	Axle Load
31.91(B)	26.8	40.68	N/A	48.16	Axle Load	-13.85	Axle Load
35.70(B)	30.0	35.12	N/A	44.46	Axle Load	-17.03	Axle Load
37.76(L)	31.7	32.10	N/A	42.45	Axle Load	-18.81	Axle Load
37.76(R)	31.7	32.02	N/A	42.45	Axle Load	-18.81	Axle Load
37.83(B)	31.8	31.91	N/A	42.38	Axle Load	-18.87	Axle Load
37.91(L)	31.9	31.80	N/A	42.30	Axle Load	-18.94	Axle Load
37.91(R)	31.9	31.72	N/A	42.30	Axle Load	-18.94	Axle Load
43.76(B)	36.8	23.13	N/A	36.65	Axle Load	-24.19	Axle Load
47.60(B)	40.0	17.50	N/A	33.01	Axle Load	-27.78	Axle Load

49.61(L)	41.7	14.55	N/A	31.13	Axle Load	-29.69	Axle Load
49.61(R)	41.7	14.47	N/A	31.13	Axle Load	-29.69	Axle Load
49.68(B)	41.8	14.36	N/A	31.06	Axle Load	-29.76	Axle Load
49.76(L)	41.8	14.25	N/A	30.99	Axle Load	-29.83	Axle Load
49.76(R)	41.8	14.17	N/A	30.99	Axle Load	-29.83	Axle Load
55.61(B)	46.7	5.59	N/A	25.70	Axle Load	-35.47	Axle Load
59.50(B)	50.0	-0.12	N/A	22.43	Axle Load	-39.40	Axle Load
61.46(L)	51.6	-2.99	N/A	20.80	Axle Load	-41.32	Axle Load
61.46(R)	51.6	-3.07	N/A	20.80	Axle Load	-41.32	Axle Load
61.53(B)	51.7	-3.18	N/A	20.74	Axle Load	-41.39	Axle Load
61.61(L)	51.8	-3.29	N/A	20.68	Axle Load	-41.47	Axle Load
61.61(R)	51.8	-3.37	N/A	20.68	Axle Load	-41.47	Axle Load
67.46(B)	56.7	-11.96	N/A	16.26	Axle Load	-47.64	Axle Load
71.40(B)	60.0	-17.74	N/A	13.41	Axle Load	-51.47	Axle Load
73.31(L)	61.6	-20.54	N/A	12.12	Axle Load	-53.30	Axle Load
73.31(R)	61.6	-20.62	N/A	12.12	Axle Load	-53.30	Axle Load
73.38(B)	61.7	-20.73	N/A	12.07	Axle Load	-53.37	Axle Load
73.46(L)	61.7	-20.84	N/A	12.02	Axle Load	-53.44	Axle Load
73.46(R)	61.7	-20.92	N/A	12.02	Axle Load	-53.44	Axle Load
79.31(B)	66.6	-29.50	N/A	11.27	Axle Load	-59.67	Axle Load
83.30(B)	70.0	-35.35	N/A	11.27	Axle Load	-63.28	Axle Load
85.16(L)	71.6	-38.08	N/A	11.27	Axle Load	-64.91	Axle Load
85.16(R)	71.6	-38.16	N/A	11.27	Axle Load	-64.91	Axle Load
85.23(B)	71.6	-38.27	N/A	11.27	Axle Load	-64.97	Axle Load
85.31(L)	71.7	-38.38	N/A	11.27	Axle Load	-65.04	Axle Load
85.31(R)	71.7	-38.46	N/A	11.27	Axle Load	-65.04	Axle Load
91.16(B)	76.6	-47.04	N/A	11.42	Axle Load	-70.81	Axle Load
95.20(B)	80.0	-52.97	N/A	11.42	Axle Load	-73.92	Axle Load
95.50(B)	80.3	-53.41	N/A	11.42	Axle Load	-74.14	Axle Load
97.01(L)	81.5	-55.63	N/A	11.42	Axle Load	-75.24	Axle Load
97.01(R)	81.5	-55.71	N/A	11.42	Axle Load	-75.24	Axle Load
97.08(B)	81.6	-55.82	N/A	11.42	Axle Load	-75.29	Axle Load
97.16(L)	81.6	-55.93	N/A	11.42	Axle Load	-75.35	Axle Load
97.16(R)	81.6	-56.01	N/A	11.42	Axle Load	-75.35	Axle Load
103.01(B)	86.6	-64.59	N/A	11.56	Axle Load	-80.25	Axle Load
104.00(B)	87.4	-66.04	N/A	11.56	Axle Load	-80.84	Axle Load
107.10(B)	90.0	-70.82	N/A	11.56	Axle Load	-82.59	Axle Load
108.86(L)	91.5	-73.53	N/A	11.56	Axle Load	-83.51	Axle Load
108.86(R)	91.5	-73.61	N/A	11.56	Axle Load	-83.51	Axle Load
108.93(B)	91.5	-73.73	N/A	11.56	Axle Load	-83.54	Axle Load
109.01(L)	91.6	-73.84	N/A	11.56	Axle Load	-83.58	Axle Load
109.01(R)	91.6	-73.92	N/A	11.56	Axle Load	-83.58	Axle Load
114.00(B)	95.8	-81.62	N/A	11.71	Axle Load	-86.90	Axle Load

119.00(L)	100.0	-89.32	N/A	11.71	Axle Load	-88.61	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	89.42	N/A	88.62	Axle Load	-11.72	Axle Load
0.93(B)	0.8	87.99	N/A	82.82	Axle Load	-10.98	Axle Load
1.86(L)	1.6	86.56	N/A	82.55	Axle Load	-10.98	Axle Load
1.86(R)	1.6	86.48	N/A	82.55	Axle Load	-10.98	Axle Load
2.03(B)	1.7	86.21	N/A	82.49	Axle Load	-10.98	Axle Load
2.21(L)	1.9	85.94	N/A	82.44	Axle Load	-10.98	Axle Load
2.21(R)	1.9	85.86	N/A	82.44	Axle Load	-10.98	Axle Load
8.13(B)	6.8	76.73	N/A	80.21	Axle Load	-10.98	Axle Load
11.90(B)	10.0	70.92	N/A	78.43	Axle Load	-10.98	Axle Load
14.06(L)	11.8	67.60	N/A	77.28	Axle Load	-10.98	Axle Load
14.06(R)	11.8	67.52	N/A	77.28	Axle Load	-10.98	Axle Load
14.13(B)	11.9	67.40	N/A	77.24	Axle Load	-10.98	Axle Load
14.21(L)	11.9	67.29	N/A	77.20	Axle Load	-10.98	Axle Load
14.21(R)	11.9	67.21	N/A	77.20	Axle Load	-10.98	Axle Load
15.00(B)	12.6	65.99	N/A	76.76	Axle Load	-10.98	Axle Load
20.06(B)	16.9	58.56	N/A	73.66	Axle Load	-10.98	Axle Load
23.50(B)	19.7	53.52	N/A	71.30	Axle Load	-10.98	Axle Load
23.80(B)	20.0	53.08	N/A	71.09	Axle Load	-10.98	Axle Load
25.91(L)	21.8	49.98	N/A	69.55	Axle Load	-10.98	Axle Load
25.91(R)	21.8	49.90	N/A	69.55	Axle Load	-10.98	Axle Load
25.98(B)	21.8	49.79	N/A	69.49	Axle Load	-10.98	Axle Load
26.06(L)	21.9	49.68	N/A	69.43	Axle Load	-10.98	Axle Load
26.06(R)	21.9	49.60	N/A	69.43	Axle Load	-10.98	Axle Load
31.91(B)	26.8	41.02	N/A	64.84	Axle Load	-10.98	Axle Load
35.70(B)	30.0	35.46	N/A	61.64	Axle Load	-10.98	Axle Load
37.76(L)	31.7	32.44	N/A	59.84	Axle Load	-10.98	Axle Load
37.76(R)	31.7	32.36	N/A	59.84	Axle Load	-10.98	Axle Load
37.83(B)	31.8	32.25	N/A	59.78	Axle Load	-10.98	Axle Load
37.91(L)	31.9	32.14	N/A	59.71	Axle Load	-10.98	Axle Load
37.91(R)	31.9	32.06	N/A	59.71	Axle Load	-10.98	Axle Load
43.76(B)	36.8	23.47	N/A	54.40	Axle Load	-10.98	Axle Load
47.60(B)	40.0	17.84	N/A	50.80	Axle Load	-13.24	Axle Load
49.61(L)	41.7	14.89	N/A	48.88	Axle Load	-14.64	Axle Load
49.61(R)	41.7	14.81	N/A	48.88	Axle Load	-14.64	Axle Load
49.68(B)	41.8	14.70	N/A	48.80	Axle Load	-14.70	Axle Load
49.76(L)	41.8	14.59	N/A	48.73	Axle Load	-14.75	Axle Load
49.76(R)	41.8	14.51	N/A	48.73	Axle Load	-14.75	Axle Load

55.61(B)	46.7	5.93	N/A	43.07	Axle Load	-19.16	Axle Load
59.50(B)	50.0	0.22	N/A	39.40	Axle Load	-22.44	Axle Load
61.46(L)	51.6	-2.65	N/A	37.48	Axle Load	-24.11	Axle Load
61.46(R)	51.6	-2.73	N/A	37.48	Axle Load	-24.11	Axle Load
61.53(B)	51.7	-2.84	N/A	37.40	Axle Load	-24.17	Axle Load
61.61(L)	51.8	-2.95	N/A	37.33	Axle Load	-24.24	Axle Load
61.61(R)	51.8	-3.03	N/A	37.33	Axle Load	-24.24	Axle Load
67.46(B)	56.7	-11.62	N/A	31.95	Axle Load	-29.74	Axle Load
71.40(B)	60.0	-17.40	N/A	28.15	Axle Load	-33.45	Axle Load
73.31(L)	61.6	-20.20	N/A	26.33	Axle Load	-35.27	Axle Load
73.31(R)	61.6	-20.28	N/A	26.33	Axle Load	-35.27	Axle Load
73.38(B)	61.7	-20.39	N/A	26.26	Axle Load	-35.34	Axle Load
73.46(L)	61.7	-20.50	N/A	26.19	Axle Load	-35.41	Axle Load
73.46(R)	61.7	-20.58	N/A	26.19	Axle Load	-35.41	Axle Load
79.31(B)	66.6	-29.16	N/A	21.05	Axle Load	-41.65	Axle Load
83.30(B)	70.0	-35.01	N/A	17.47	Axle Load	-45.65	Axle Load
85.16(L)	71.6	-37.74	N/A	15.86	Axle Load	-47.51	Axle Load
85.16(R)	71.6	-37.82	N/A	15.86	Axle Load	-47.51	Axle Load
85.23(B)	71.6	-37.93	N/A	15.80	Axle Load	-47.59	Axle Load
85.31(L)	71.7	-38.04	N/A	15.74	Axle Load	-47.66	Axle Load
85.31(R)	71.7	-38.12	N/A	15.74	Axle Load	-47.66	Axle Load
91.16(B)	76.6	-46.70	N/A	11.05	Axle Load	-54.20	Axle Load
95.20(B)	80.0	-52.63	N/A	7.93	Axle Load	-58.25	Axle Load
95.50(B)	80.3	-53.07	N/A	7.71	Axle Load	-58.55	Axle Load
97.01(L)	81.5	-55.29	N/A	6.59	Axle Load	-60.03	Axle Load
97.01(R)	81.5	-55.37	N/A	6.59	Axle Load	-60.03	Axle Load
97.08(B)	81.6	-55.48	N/A	6.54	Axle Load	-60.11	Axle Load
97.16(L)	81.6	-55.59	N/A	6.48	Axle Load	-60.18	Axle Load
97.16(R)	81.6	-55.67	N/A	6.48	Axle Load	-60.18	Axle Load
103.01(B)	86.6	-64.25	N/A	2.52	Axle Load	-66.67	Axle Load
106.00(B)	89.1	-68.64	N/A	0.64	Axle Load	-69.48	Axle Load
107.10(B)	90.0	-70.33	N/A	0.00	Axle Load	-70.50	Axle Load
108.86(L)	91.5	-73.04	N/A	0.00	Axle Load	-72.10	Axle Load
108.86(R)	91.5	-73.12	N/A	0.00	Axle Load	-72.10	Axle Load
108.93(B)	91.5	-73.24	N/A	0.00	Axle Load	-72.17	Axle Load
109.01(L)	91.6	-73.35	N/A	0.00	Axle Load	-72.24	Axle Load
109.01(R)	91.6	-73.43	N/A	0.00	Axle Load	-72.24	Axle Load
114.00(B)	95.8	-81.13	N/A	0.00	Axle Load	-77.57	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-81.68	Axle Load

Span 4**DC
(kip)****DW
(kip)****+(LL+I)
(kip)****Controlling
Live Load****-(LL+I)
(kip)****Controlling
Live Load**

Location (ft)	Percent						
0.00(R)	0.0	90.65	N/A	83.93	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	78.15	Axle Load	0.00	Axle Load
1.86(L)	2.0	87.79	N/A	77.60	Axle Load	0.00	Axle Load
1.86(R)	2.0	87.71	N/A	77.60	Axle Load	0.00	Axle Load
2.03(B)	2.1	87.44	N/A	77.49	Axle Load	0.00	Axle Load
2.21(L)	2.3	87.17	N/A	77.38	Axle Load	0.00	Axle Load
2.21(R)	2.3	87.09	N/A	77.38	Axle Load	0.00	Axle Load
8.58(B)	9.0	77.26	N/A	73.26	Axle Load	0.00	Axle Load
9.52(B)	10.0	75.81	N/A	72.61	Axle Load	0.00	Axle Load
13.00(B)	13.6	70.46	N/A	70.11	Axle Load	-0.50	Axle Load
14.96(L)	15.7	67.58	N/A	68.65	Axle Load	-1.37	Axle Load
14.96(R)	15.7	67.50	N/A	68.65	Axle Load	-1.37	Axle Load
15.25(B)	16.0	67.08	N/A	68.43	Axle Load	-1.50	Axle Load
15.54(L)	16.3	66.65	N/A	68.21	Axle Load	-1.63	Axle Load
15.54(R)	16.3	66.57	N/A	68.21	Axle Load	-1.63	Axle Load
19.05(B)	20.0	61.42	N/A	65.44	Axle Load	-3.31	Axle Load
21.62(B)	22.7	57.65	N/A	63.32	Axle Load	-4.64	Axle Load
23.50(B)	24.7	54.89	N/A	61.74	Axle Load	-5.66	Axle Load
27.71(L)	29.1	48.72	N/A	58.07	Axle Load	-8.09	Axle Load
27.71(R)	29.1	48.64	N/A	58.07	Axle Load	-8.09	Axle Load
28.00(B)	29.4	48.21	N/A	57.81	Axle Load	-8.27	Axle Load
28.29(L)	29.7	47.79	N/A	57.55	Axle Load	-8.45	Axle Load
28.29(R)	29.7	47.71	N/A	57.55	Axle Load	-8.45	Axle Load
28.58(B)	30.0	47.29	N/A	57.29	Axle Load	-8.62	Axle Load
34.37(B)	36.1	38.78	N/A	51.91	Axle Load	-12.41	Axle Load
38.10(B)	40.0	33.32	N/A	48.30	Axle Load	-15.05	Axle Load
40.46(L)	42.5	29.85	N/A	45.97	Axle Load	-16.80	Axle Load
40.46(R)	42.5	29.77	N/A	45.97	Axle Load	-16.80	Axle Load
40.75(B)	42.8	29.35	N/A	45.68	Axle Load	-17.02	Axle Load
41.04(L)	43.1	28.92	N/A	45.39	Axle Load	-17.24	Axle Load
41.04(R)	43.1	28.84	N/A	45.39	Axle Load	-17.24	Axle Load
47.12(B)	49.5	19.92	N/A	39.16	Axle Load	-22.09	Axle Load
47.63(B)	50.0	19.18	N/A	38.76	Axle Load	-22.58	Axle Load
53.21(L)	55.9	10.99	N/A	33.12	Axle Load	-27.66	Axle Load
53.21(R)	55.9	10.91	N/A	33.12	Axle Load	-27.66	Axle Load
53.50(B)	56.2	10.48	N/A	32.80	Axle Load	-27.92	Axle Load
53.79(L)	56.5	10.06	N/A	32.48	Axle Load	-28.19	Axle Load
53.79(R)	56.5	9.98	N/A	32.48	Axle Load	-28.19	Axle Load
57.15(B)	60.0	5.05	N/A	28.78	Axle Load	-31.29	Axle Load
59.87(B)	62.9	1.05	N/A	25.75	Axle Load	-33.87	Axle Load
65.96(L)	69.2	-7.88	N/A	19.23	Axle Load	-40.35	Axle Load

65.96(R)	69.2	-7.96	N/A	19.23	Axle Load	-40.35	Axle Load
66.25(B)	69.6	-8.38	N/A	18.95	Axle Load	-40.65	Axle Load
66.54(L)	69.9	-8.81	N/A	18.66	Axle Load	-40.95	Axle Load
66.54(R)	69.9	-8.89	N/A	18.66	Axle Load	-40.95	Axle Load
66.68(B)	70.0	-9.09	N/A	18.53	Axle Load	-41.09	Axle Load
72.62(B)	76.2	-17.81	N/A	12.81	Axle Load	-47.89	Axle Load
76.20(B)	80.0	-23.06	N/A	9.31	Axle Load	-51.79	Axle Load
78.71(L)	82.6	-26.74	N/A	7.99	Axle Load	-54.57	Axle Load
78.71(R)	82.6	-26.82	N/A	7.99	Axle Load	-54.57	Axle Load
79.00(B)	82.9	-27.25	N/A	7.99	Axle Load	-54.89	Axle Load
79.29(L)	83.2	-27.67	N/A	7.99	Axle Load	-55.21	Axle Load
79.29(R)	83.2	-27.75	N/A	7.99	Axle Load	-55.21	Axle Load
85.37(B)	89.6	-36.68	N/A	8.08	Axle Load	-62.84	Axle Load
85.72(B)	90.0	-37.19	N/A	8.08	Axle Load	-63.25	Axle Load
91.46(L)	96.0	-45.61	N/A	8.18	Axle Load	-70.80	Axle Load
91.46(R)	96.0	-45.69	N/A	8.18	Axle Load	-70.80	Axle Load
91.75(B)	96.3	-46.11	N/A	8.18	Axle Load	-71.15	Axle Load
92.04(L)	96.6	-46.54	N/A	8.18	Axle Load	-71.49	Axle Load
92.04(R)	96.6	-46.62	N/A	8.18	Axle Load	-71.49	Axle Load
93.64(B)	98.3	-48.97	N/A	8.18	Axle Load	-73.42	Axle Load
95.25(L)	100.0	-51.33	N/A	8.18	Axle Load	-75.35	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: Type 3
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	49.82	Axle Load	-5.00	Axle Load
2	179.47	N/A	58.46	Axle Load	0.00	Axle Load
3	178.74	N/A	58.49	Axle Load	-7.62	Axle Load
4	179.48	N/A	58.71	Axle Load	0.00	Axle Load
5	51.33	N/A	52.92	Axle Load	-5.31	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary

Live Load: Type 3

Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	115.48	Axle Load	-12.19	Axle Load
6.64(L)	7.0	308.14	N/A	219.07	Axle Load	-24.39	Axle Load
6.64(R)	7.0	308.14	N/A	219.07	Axle Load	-24.39	Axle Load
9.52(B)	10.0	421.44	N/A	299.56	Axle Load	-34.98	Axle Load
13.11(B)	13.8	545.33	N/A	387.50	Axle Load	-48.17	Axle Load
19.05(B)	20.0	708.73	N/A	503.83	Axle Load	-69.97	Axle Load
19.59(L)	20.6	721.01	N/A	512.64	Axle Load	-71.95	Axle Load
19.59(R)	20.6	721.01	N/A	512.64	Axle Load	-71.95	Axle Load
26.06(B)	27.4	834.15	N/A	596.40	Axle Load	-95.73	Axle Load
28.58(B)	30.0	861.47	N/A	620.06	Axle Load	-104.95	Axle Load
32.54(L)	34.2	885.78	N/A	649.28	Axle Load	-119.51	Axle Load
32.54(R)	34.2	885.78	N/A	649.28	Axle Load	-119.51	Axle Load
38.10(B)	40.0	880.13	N/A	667.38	Axle Load	-139.93	Axle Load
39.01(B)	41.0	874.86	N/A	667.92	Axle Load	-143.29	Axle Load
45.49(L)	47.8	802.44	N/A	656.31	Axle Load	-167.07	Axle Load
45.49(R)	47.8	802.44	N/A	656.31	Axle Load	-167.07	Axle Load
47.63(B)	50.0	764.72	N/A	648.36	Axle Load	-174.92	Axle Load
51.96(B)	54.6	667.47	N/A	622.23	Axle Load	-190.85	Axle Load
57.15(B)	60.0	515.02	N/A	574.21	Axle Load	-209.90	Axle Load
58.44(L)	61.4	470.99	N/A	559.48	Axle Load	-214.64	Axle Load
58.44(R)	61.4	470.99	N/A	559.48	Axle Load	-214.64	Axle Load
64.91(B)	68.2	211.97	N/A	471.58	Axle Load	-238.42	Axle Load
66.68(B)	70.0	130.91	N/A	443.88	Axle Load	-244.88	Axle Load
71.39(L)	74.9	-108.56	N/A	353.48	Axle Load	-254.23	Axle Load
71.39(R)	74.9	-108.56	N/A	353.48	Axle Load	-254.23	Axle Load
71.75(B)	75.3	-128.27	N/A	347.12	Axle Load	-255.52	Axle Load
76.20(B)	80.0	-387.28	N/A	268.35	Axle Load	-271.36	Axle Load
77.86(B)	81.7	-491.63	N/A	237.14	Axle Load	-277.29	Axle Load
82.25(B)	86.4	-786.02	N/A	153.07	Axle Load	-292.91	Axle Load
84.34(L)	88.5	-936.37	N/A	112.62	Axle Load	-300.35	Axle Load
84.34(R)	88.5	-936.37	N/A	112.62	Axle Load	-300.35	Axle Load
85.72(B)	90.0	-1040.00	N/A	84.80	Axle Load	-305.28	Axle Load

89.79(B)	94.3	-1361.49	N/A	4.34	Axle Load	-319.78	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-393.21	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-393.21	Axle Load
1.02(B)	0.9	-1742.59	N/A	0.00	Axle Load	-388.04	Axle Load
2.04(L)	1.7	-1654.31	N/A	0.00	Axle Load	-382.87	Axle Load
2.04(R)	1.7	-1654.31	N/A	0.00	Axle Load	-382.87	Axle Load
2.12(B)	1.8	-1647.03	N/A	0.00	Axle Load	-382.43	Axle Load
2.21(L)	1.9	-1639.76	N/A	0.00	Axle Load	-382.00	Axle Load
2.21(R)	1.9	-1639.76	N/A	0.00	Axle Load	-382.00	Axle Load
8.13(B)	6.8	-1160.99	N/A	71.05	Axle Load	-351.94	Axle Load
11.90(B)	10.0	-884.84	N/A	144.79	Axle Load	-332.83	Axle Load
13.00(B)	10.9	-808.29	N/A	165.95	Axle Load	-327.25	Axle Load
14.06(L)	11.8	-736.29	N/A	185.81	Axle Load	-321.88	Axle Load
14.06(R)	11.8	-736.29	N/A	185.81	Axle Load	-321.88	Axle Load
14.13(B)	11.9	-731.26	N/A	187.19	Axle Load	-321.50	Axle Load
14.21(L)	11.9	-726.24	N/A	188.57	Axle Load	-321.12	Axle Load
14.21(R)	11.9	-726.24	N/A	188.57	Axle Load	-321.12	Axle Load
20.06(B)	16.9	-360.52	N/A	290.50	Axle Load	-291.44	Axle Load
23.50(B)	19.7	-168.88	N/A	344.19	Axle Load	-273.98	Axle Load
23.80(B)	20.0	-152.99	N/A	348.62	Axle Load	-272.46	Axle Load
25.91(L)	21.8	-45.01	N/A	368.85	Axle Load	-254.66	Axle Load
25.91(R)	21.8	-45.01	N/A	368.85	Axle Load	-254.66	Axle Load
25.98(B)	21.8	-41.30	N/A	369.86	Axle Load	-254.29	Axle Load
26.06(L)	21.9	-37.59	N/A	370.86	Axle Load	-253.92	Axle Load
26.06(R)	21.9	-37.59	N/A	370.86	Axle Load	-253.92	Axle Load
31.91(B)	26.8	225.48	N/A	440.50	Axle Load	-225.04	Axle Load
35.70(B)	30.0	369.14	N/A	475.64	Axle Load	-206.33	Axle Load
37.76(L)	31.7	438.35	N/A	491.71	Axle Load	-196.16	Axle Load
37.76(R)	31.7	438.35	N/A	491.71	Axle Load	-196.16	Axle Load
37.83(B)	31.8	440.75	N/A	492.24	Axle Load	-195.79	Axle Load
37.91(L)	31.9	443.14	N/A	492.76	Axle Load	-195.42	Axle Load
37.91(R)	31.9	443.14	N/A	492.76	Axle Load	-195.42	Axle Load
43.76(B)	36.8	603.58	N/A	523.29	Axle Load	-166.54	Axle Load
47.60(B)	40.0	681.61	N/A	531.99	Axle Load	-147.59	Axle Load
49.61(L)	41.7	713.81	N/A	533.40	Axle Load	-137.67	Axle Load
49.61(R)	41.7	713.81	N/A	533.40	Axle Load	-137.67	Axle Load
49.68(B)	41.8	714.90	N/A	533.40	Axle Load	-137.30	Axle Load
49.76(L)	41.8	715.97	N/A	533.39	Axle Load	-136.93	Axle Load

49.76(R)	41.8	715.97	N/A	533.39	Axle Load	-136.93	Axle Load
55.61(B)	46.7	773.77	N/A	527.14	Axle Load	-108.05	Axle Load
59.50(B)	50.0	784.42	N/A	512.95	Axle Load	-88.85	Axle Load
61.46(L)	51.6	781.37	N/A	502.51	Axle Load	-79.17	Axle Load
61.46(R)	51.6	781.37	N/A	502.51	Axle Load	-79.17	Axle Load
61.53(B)	51.7	781.13	N/A	502.05	Axle Load	-78.80	Axle Load
61.61(L)	51.8	780.89	N/A	501.59	Axle Load	-78.43	Axle Load
61.61(R)	51.8	780.89	N/A	501.59	Axle Load	-78.43	Axle Load
67.46(B)	56.7	736.06	N/A	457.37	Axle Load	-49.56	Axle Load
71.40(B)	60.0	677.56	N/A	418.41	Axle Load	-30.10	Axle Load
73.31(L)	61.6	641.02	N/A	397.04	Axle Load	-20.68	Axle Load
73.31(R)	61.6	641.02	N/A	397.04	Axle Load	-20.68	Axle Load
73.38(B)	61.7	639.47	N/A	396.16	Axle Load	-20.31	Axle Load
73.46(L)	61.7	637.91	N/A	395.27	Axle Load	-19.94	Axle Load
73.46(R)	61.7	637.91	N/A	395.27	Axle Load	-19.94	Axle Load
79.31(B)	66.6	490.44	N/A	320.79	Axle Load	-3.81	Axle Load
83.30(B)	70.0	361.03	N/A	264.91	Axle Load	-32.10	Axle Load
85.16(L)	71.6	292.76	N/A	237.73	Axle Load	-51.78	Axle Load
85.16(R)	71.6	292.76	N/A	237.73	Axle Load	-51.78	Axle Load
85.23(B)	71.6	289.89	N/A	236.60	Axle Load	-52.63	Axle Load
85.31(L)	71.7	287.02	N/A	235.46	Axle Load	-53.49	Axle Load
85.31(R)	71.7	287.02	N/A	235.46	Axle Load	-53.49	Axle Load
91.16(B)	76.6	36.91	N/A	158.40	Axle Load	-138.48	Axle Load
95.20(B)	80.0	-165.15	N/A	111.80	Axle Load	-213.03	Axle Load
95.50(B)	80.3	-181.11	N/A	109.16	Axle Load	-219.09	Axle Load
97.01(L)	81.5	-263.41	N/A	96.31	Axle Load	-249.68	Axle Load
97.01(R)	81.5	-263.41	N/A	96.31	Axle Load	-249.68	Axle Load
97.08(B)	81.6	-267.59	N/A	96.68	Axle Load	-251.25	Axle Load
97.16(L)	81.6	-271.78	N/A	97.05	Axle Load	-252.81	Axle Load
97.16(R)	81.6	-271.78	N/A	97.05	Axle Load	-252.81	Axle Load
103.01(B)	86.6	-624.52	N/A	125.93	Axle Load	-383.24	Axle Load
104.00(B)	87.4	-689.23	N/A	130.82	Axle Load	-406.65	Axle Load
107.10(B)	90.0	-901.36	N/A	146.12	Axle Load	-483.78	Axle Load
108.86(L)	91.5	-1028.35	N/A	154.80	Axle Load	-528.71	Axle Load
108.86(R)	91.5	-1028.35	N/A	154.80	Axle Load	-528.71	Axle Load
108.93(B)	91.5	-1033.88	N/A	155.17	Axle Load	-530.65	Axle Load
109.01(L)	91.6	-1039.41	N/A	155.54	Axle Load	-532.59	Axle Load
109.01(R)	91.6	-1039.41	N/A	155.54	Axle Load	-532.59	Axle Load
114.00(B)	95.8	-1427.90	N/A	180.20	Axle Load	-665.68	Axle Load
119.00(L)	100.0	-1854.85	N/A	204.86	Axle Load	-805.54	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1854.80	N/A	205.50	Axle Load	-805.66	Axle Load
0.93(B)	0.8	-1772.33	N/A	200.90	Axle Load	-779.14	Axle Load
1.86(L)	1.6	-1691.19	N/A	196.29	Axle Load	-752.94	Axle Load
1.86(R)	1.6	-1691.19	N/A	196.29	Axle Load	-752.94	Axle Load
2.03(B)	1.7	-1676.08	N/A	195.43	Axle Load	-748.01	Axle Load
2.21(L)	1.9	-1661.02	N/A	194.56	Axle Load	-743.08	Axle Load
2.21(R)	1.9	-1661.02	N/A	194.56	Axle Load	-743.08	Axle Load
8.13(B)	6.8	-1179.36	N/A	165.22	Axle Load	-581.60	Axle Load
11.90(B)	10.0	-901.36	N/A	146.58	Axle Load	-483.34	Axle Load
14.06(L)	11.8	-751.80	N/A	135.88	Axle Load	-429.71	Axle Load
14.06(R)	11.8	-751.80	N/A	135.88	Axle Load	-429.71	Axle Load
14.13(B)	11.9	-746.74	N/A	135.51	Axle Load	-427.87	Axle Load
14.21(L)	11.9	-741.69	N/A	135.14	Axle Load	-426.03	Axle Load
14.21(R)	11.9	-741.69	N/A	135.14	Axle Load	-426.03	Axle Load
15.00(B)	12.6	-689.04	N/A	131.23	Axle Load	-406.90	Axle Load
20.06(B)	16.9	-373.96	N/A	106.17	Axle Load	-290.98	Axle Load
23.50(B)	19.7	-181.15	N/A	109.07	Axle Load	-218.81	Axle Load
23.80(B)	20.0	-165.16	N/A	111.78	Axle Load	-212.87	Axle Load
25.91(L)	21.8	-56.46	N/A	134.74	Axle Load	-172.73	Axle Load
25.91(R)	21.8	-56.46	N/A	134.74	Axle Load	-172.73	Axle Load
25.98(B)	21.8	-52.72	N/A	135.62	Axle Load	-171.36	Axle Load
26.06(L)	21.9	-48.99	N/A	136.50	Axle Load	-170.00	Axle Load
26.06(R)	21.9	-48.99	N/A	136.50	Axle Load	-170.00	Axle Load
31.91(B)	26.8	216.08	N/A	210.02	Axle Load	-76.18	Axle Load
35.70(B)	30.0	361.02	N/A	264.43	Axle Load	-31.94	Axle Load
37.76(L)	31.7	430.94	N/A	294.36	Axle Load	-14.78	Axle Load
37.76(R)	31.7	430.94	N/A	294.36	Axle Load	-14.78	Axle Load
37.83(B)	31.8	433.36	N/A	295.41	Axle Load	-14.27	Axle Load
37.91(L)	31.9	435.77	N/A	296.46	Axle Load	-13.77	Axle Load
37.91(R)	31.9	435.77	N/A	296.46	Axle Load	-13.77	Axle Load
43.76(B)	36.8	598.20	N/A	373.88	Axle Load	-11.18	Axle Load
47.60(B)	40.0	677.54	N/A	418.06	Axle Load	-30.20	Axle Load
49.61(L)	41.7	710.43	N/A	439.29	Axle Load	-40.15	Axle Load
49.61(R)	41.7	710.43	N/A	439.29	Axle Load	-40.15	Axle Load
49.68(B)	41.8	711.53	N/A	440.03	Axle Load	-40.52	Axle Load
49.76(L)	41.8	712.63	N/A	440.77	Axle Load	-40.89	Axle Load
49.76(R)	41.8	712.63	N/A	440.77	Axle Load	-40.89	Axle Load
55.61(B)	46.7	772.43	N/A	490.07	Axle Load	-69.86	Axle Load
59.50(B)	50.0	784.39	N/A	512.69	Axle Load	-89.12	Axle Load
61.46(L)	51.6	782.01	N/A	521.32	Axle Load	-98.83	Axle Load

61.46(R)	51.6	782.01	N/A	521.32	Axle Load	-98.83	Axle Load
61.53(B)	51.7	781.80	N/A	521.59	Axle Load	-99.20	Axle Load
61.61(L)	51.8	781.59	N/A	521.86	Axle Load	-99.57	Axle Load
61.61(R)	51.8	781.59	N/A	521.86	Axle Load	-99.57	Axle Load
67.46(B)	56.7	738.74	N/A	532.64	Axle Load	-128.54	Axle Load
71.40(B)	60.0	681.58	N/A	532.19	Axle Load	-148.05	Axle Load
73.31(L)	61.6	645.69	N/A	528.93	Axle Load	-157.50	Axle Load
73.31(R)	61.6	645.69	N/A	528.93	Axle Load	-157.50	Axle Load
73.38(B)	61.7	644.17	N/A	528.74	Axle Load	-157.87	Axle Load
73.46(L)	61.7	642.63	N/A	528.55	Axle Load	-158.25	Axle Load
73.46(R)	61.7	642.63	N/A	528.55	Axle Load	-158.25	Axle Load
79.31(B)	66.6	497.15	N/A	504.07	Axle Load	-187.21	Axle Load
83.30(B)	70.0	369.10	N/A	475.89	Axle Load	-206.97	Axle Load
85.16(L)	71.6	301.46	N/A	459.59	Axle Load	-216.18	Axle Load
85.16(R)	71.6	301.46	N/A	459.59	Axle Load	-216.18	Axle Load
85.23(B)	71.6	298.62	N/A	458.87	Axle Load	-216.55	Axle Load
85.31(L)	71.7	295.77	N/A	458.16	Axle Load	-216.92	Axle Load
85.31(R)	71.7	295.77	N/A	458.16	Axle Load	-216.92	Axle Load
91.16(B)	76.6	47.65	N/A	393.74	Axle Load	-245.89	Axle Load
95.20(B)	80.0	-153.04	N/A	348.97	Axle Load	-273.31	Axle Load
95.50(B)	80.3	-168.89	N/A	344.57	Axle Load	-274.84	Axle Load
97.01(L)	81.5	-250.67	N/A	321.49	Axle Load	-282.52	Axle Load
97.01(R)	81.5	-250.67	N/A	321.49	Axle Load	-282.52	Axle Load
97.08(B)	81.6	-254.83	N/A	320.30	Axle Load	-282.90	Axle Load
97.16(L)	81.6	-258.99	N/A	319.11	Axle Load	-283.28	Axle Load
97.16(R)	81.6	-258.99	N/A	319.11	Axle Load	-283.28	Axle Load
103.01(B)	86.6	-609.75	N/A	220.64	Axle Load	-313.06	Axle Load
106.00(B)	89.1	-808.45	N/A	165.62	Axle Load	-328.28	Axle Load
107.10(B)	90.0	-884.89	N/A	145.05	Axle Load	-333.88	Axle Load
108.86(L)	91.5	-1011.02	N/A	110.87	Axle Load	-342.83	Axle Load
108.86(R)	91.5	-1011.02	N/A	110.87	Axle Load	-342.83	Axle Load
108.93(B)	91.5	-1016.50	N/A	109.37	Axle Load	-343.21	Axle Load
109.01(L)	91.6	-1022.00	N/A	107.87	Axle Load	-343.59	Axle Load
109.01(R)	91.6	-1022.00	N/A	107.87	Axle Load	-343.59	Axle Load
114.00(B)	95.8	-1408.06	N/A	7.13	Axle Load	-369.02	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-394.44	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-394.44	Axle Load
0.93(B)	1.0	-1748.95	N/A	0.00	Axle Load	-369.99	Axle Load

1.86(L)	2.0	-1666.67	N/A	0.00	Axle Load	-345.69	Axle Load
1.86(R)	2.0	-1666.67	N/A	0.00	Axle Load	-345.69	Axle Load
2.03(B)	2.1	-1651.34	N/A	0.00	Axle Load	-341.15	Axle Load
2.21(L)	2.3	-1636.07	N/A	0.00	Axle Load	-336.70	Axle Load
2.21(R)	2.3	-1636.07	N/A	0.00	Axle Load	-336.70	Axle Load
8.58(B)	9.0	-1112.19	N/A	66.67	Axle Load	-308.41	Axle Load
9.52(B)	10.0	-1040.20	N/A	85.60	Axle Load	-305.06	Axle Load
13.00(B)	13.6	-786.05	N/A	152.79	Axle Load	-292.70	Axle Load
14.96(L)	15.7	-650.81	N/A	191.13	Axle Load	-285.72	Axle Load
14.96(R)	15.7	-650.81	N/A	191.13	Axle Load	-285.72	Axle Load
15.25(B)	16.0	-631.30	N/A	196.73	Axle Load	-284.69	Axle Load
15.54(L)	16.3	-611.91	N/A	202.29	Axle Load	-283.66	Axle Load
15.54(R)	16.3	-611.91	N/A	202.29	Axle Load	-283.66	Axle Load
19.05(B)	20.0	-387.24	N/A	267.46	Axle Load	-271.17	Axle Load
21.62(B)	22.7	-233.97	N/A	314.40	Axle Load	-262.01	Axle Load
23.50(B)	24.7	-128.43	N/A	347.00	Axle Load	-255.33	Axle Load
27.71(L)	29.1	89.65	N/A	430.08	Axle Load	-247.88	Axle Load
27.71(R)	29.1	89.65	N/A	430.08	Axle Load	-247.88	Axle Load
28.00(B)	29.4	103.69	N/A	434.89	Axle Load	-246.82	Axle Load
28.29(L)	29.7	117.61	N/A	439.64	Axle Load	-245.75	Axle Load
28.29(R)	29.7	117.61	N/A	439.64	Axle Load	-245.75	Axle Load
28.58(B)	30.0	131.18	N/A	444.27	Axle Load	-244.71	Axle Load
34.37(B)	36.1	380.76	N/A	528.94	Axle Load	-223.42	Axle Load
38.10(B)	40.0	515.06	N/A	573.48	Axle Load	-209.75	Axle Load
40.46(L)	42.5	589.58	N/A	597.87	Axle Load	-201.09	Axle Load
40.46(R)	42.5	589.58	N/A	597.87	Axle Load	-201.09	Axle Load
40.75(B)	42.8	598.15	N/A	600.59	Axle Load	-200.02	Axle Load
41.04(L)	43.1	606.60	N/A	603.25	Axle Load	-198.96	Axle Load
41.04(R)	43.1	606.60	N/A	603.25	Axle Load	-198.96	Axle Load
47.12(B)	49.5	754.95	N/A	646.43	Axle Load	-176.63	Axle Load
47.63(B)	50.0	764.73	N/A	648.79	Axle Load	-174.79	Axle Load
53.21(L)	55.9	848.97	N/A	664.32	Axle Load	-154.29	Axle Load
53.21(R)	55.9	848.97	N/A	664.32	Axle Load	-154.29	Axle Load
53.50(B)	56.2	852.08	N/A	664.98	Axle Load	-153.23	Axle Load
53.79(L)	56.5	855.05	N/A	665.56	Axle Load	-152.17	Axle Load
53.79(R)	56.5	855.05	N/A	665.56	Axle Load	-152.17	Axle Load
57.15(B)	60.0	880.30	N/A	667.39	Axle Load	-139.83	Axle Load
59.87(B)	62.9	888.61	N/A	662.03	Axle Load	-129.83	Axle Load
65.96(L)	69.2	867.84	N/A	626.45	Axle Load	-107.50	Axle Load
65.96(R)	69.2	867.84	N/A	626.45	Axle Load	-107.50	Axle Load
66.25(B)	69.6	865.47	N/A	623.91	Axle Load	-106.44	Axle Load
66.54(L)	69.9	862.98	N/A	621.29	Axle Load	-105.37	Axle Load
66.54(R)	69.9	862.98	N/A	621.29	Axle Load	-105.37	Axle Load

66.68(B)	70.0	861.76	N/A	620.03	Axle Load	-104.87	Axle Load
72.62(B)	76.2	781.74	N/A	556.92	Axle Load	-83.04	Axle Load
76.20(B)	80.0	708.66	N/A	503.78	Axle Load	-69.92	Axle Load
78.71(L)	82.6	646.17	N/A	458.97	Axle Load	-60.71	Axle Load
78.71(R)	82.6	646.17	N/A	458.97	Axle Load	-60.71	Axle Load
79.00(B)	82.9	638.33	N/A	453.38	Axle Load	-59.64	Axle Load
79.29(L)	83.2	630.37	N/A	447.72	Axle Load	-58.58	Axle Load
79.29(R)	83.2	630.37	N/A	447.72	Axle Load	-58.58	Axle Load
85.37(B)	89.6	434.33	N/A	308.75	Axle Load	-36.24	Axle Load
85.72(B)	90.0	421.39	N/A	299.58	Axle Load	-34.96	Axle Load
91.46(L)	96.0	183.98	N/A	130.88	Axle Load	-13.91	Axle Load
91.46(R)	96.0	183.98	N/A	130.88	Axle Load	-13.91	Axle Load
91.75(B)	96.3	170.67	N/A	121.42	Axle Load	-12.85	Axle Load
92.04(L)	96.6	157.23	N/A	111.86	Axle Load	-11.78	Axle Load
92.04(R)	96.6	157.23	N/A	111.86	Axle Load	-11.78	Axle Load
93.64(B)	98.3	80.51	N/A	57.33	Axle Load	-5.89	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: Type 3
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	49.82	Axle Load	-5.00	Axle Load
3.32(B)	3.5	46.41	N/A	47.37	Axle Load	-5.00	Axle Load
6.64(L)	7.0	41.54	N/A	44.93	Axle Load	-5.00	Axle Load
6.64(R)	7.0	41.38	N/A	44.93	Axle Load	-5.00	Axle Load
9.52(B)	10.0	37.15	N/A	42.83	Axle Load	-5.00	Axle Load
13.11(B)	13.8	31.88	N/A	40.24	Axle Load	-5.62	Axle Load
19.05(B)	20.0	23.17	N/A	36.02	Axle Load	-8.59	Axle Load
19.59(L)	20.6	22.38	N/A	35.64	Axle Load	-8.99	Axle Load

19.59(R)	20.6	22.22	N/A	35.64	Axle Load	-8.99	Axle Load
26.06(B)	27.4	12.72	N/A	31.16	Axle Load	-13.71	Axle Load
28.58(B)	30.0	9.04	N/A	29.46	Axle Load	-15.51	Axle Load
32.54(L)	34.2	3.22	N/A	26.84	Axle Load	-18.34	Axle Load
32.54(R)	34.2	3.06	N/A	26.84	Axle Load	-18.34	Axle Load
38.10(B)	40.0	-5.09	N/A	23.28	Axle Load	-22.23	Axle Load
39.01(B)	41.0	-6.44	N/A	22.71	Axle Load	-22.85	Axle Load
45.49(L)	47.8	-15.93	N/A	18.79	Axle Load	-27.22	Axle Load
45.49(R)	47.8	-16.09	N/A	18.79	Axle Load	-27.22	Axle Load
47.63(B)	50.0	-19.23	N/A	17.59	Axle Load	-28.72	Axle Load
51.96(B)	54.6	-25.59	N/A	15.16	Axle Load	-31.52	Axle Load
57.15(B)	60.0	-33.20	N/A	12.52	Axle Load	-35.06	Axle Load
58.44(L)	61.4	-35.09	N/A	11.86	Axle Load	-35.84	Axle Load
58.44(R)	61.4	-35.25	N/A	11.86	Axle Load	-35.84	Axle Load
64.91(B)	68.2	-44.75	N/A	8.83	Axle Load	-40.13	Axle Load
66.68(B)	70.0	-47.34	N/A	8.02	Axle Load	-41.13	Axle Load
71.39(L)	74.9	-54.25	N/A	5.98	Axle Load	-43.71	Axle Load
71.39(R)	74.9	-54.41	N/A	5.98	Axle Load	-43.71	Axle Load
71.75(B)	75.3	-54.94	N/A	5.90	Axle Load	-44.43	Axle Load
76.20(B)	80.0	-61.47	N/A	4.12	Axle Load	-46.73	Axle Load
77.86(B)	81.7	-63.91	N/A	3.50	Axle Load	-47.54	Axle Load
82.25(B)	86.4	-70.35	N/A	2.01	Axle Load	-50.19	Axle Load
84.34(L)	88.5	-73.57	N/A	1.32	Axle Load	-51.12	Axle Load
84.34(R)	88.5	-73.73	N/A	1.32	Axle Load	-51.12	Axle Load
85.72(B)	90.0	-75.86	N/A	0.89	Axle Load	-51.72	Axle Load
89.79(B)	94.3	-82.13	N/A	0.00	Axle Load	-53.40	Axle Load
95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-56.09	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	55.24	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	51.56	Axle Load	0.00	Axle Load
2.04(L)	1.7	85.79	N/A	51.10	Axle Load	0.00	Axle Load
2.04(R)	1.7	85.71	N/A	51.10	Axle Load	0.00	Axle Load
2.12(B)	1.8	85.58	N/A	51.06	Axle Load	0.00	Axle Load
2.21(L)	1.9	85.45	N/A	51.02	Axle Load	0.00	Axle Load
2.21(R)	1.9	85.37	N/A	51.02	Axle Load	0.00	Axle Load
8.13(B)	6.8	76.24	N/A	48.19	Axle Load	-0.58	Axle Load
11.90(B)	10.0	70.44	N/A	46.24	Axle Load	-2.06	Axle Load
13.00(B)	10.9	68.74	N/A	45.66	Axle Load	-2.52	Axle Load
14.06(L)	11.8	67.19	N/A	45.09	Axle Load	-2.97	Axle Load

14.06(R)	11.8	67.11	N/A	45.09	Axle Load	-2.97	Axle Load
14.13(B)	11.9	67.00	N/A	45.05	Axle Load	-3.00	Axle Load
14.21(L)	11.9	66.89	N/A	45.01	Axle Load	-3.03	Axle Load
14.21(R)	11.9	66.81	N/A	45.01	Axle Load	-3.03	Axle Load
20.06(B)	16.9	58.22	N/A	41.73	Axle Load	-5.69	Axle Load
23.50(B)	19.7	53.18	N/A	39.69	Axle Load	-7.40	Axle Load
23.80(B)	20.0	52.74	N/A	39.52	Axle Load	-7.55	Axle Load
25.91(L)	21.8	49.64	N/A	38.24	Axle Load	-8.64	Axle Load
25.91(R)	21.8	49.56	N/A	38.24	Axle Load	-8.64	Axle Load
25.98(B)	21.8	49.45	N/A	38.20	Axle Load	-8.68	Axle Load
26.06(L)	21.9	49.34	N/A	38.15	Axle Load	-8.72	Axle Load
26.06(R)	21.9	49.26	N/A	38.15	Axle Load	-8.72	Axle Load
31.91(B)	26.8	40.68	N/A	34.55	Axle Load	-11.90	Axle Load
35.70(B)	30.0	35.12	N/A	32.17	Axle Load	-14.08	Axle Load
37.76(L)	31.7	32.10	N/A	30.87	Axle Load	-15.29	Axle Load
37.76(R)	31.7	32.02	N/A	30.87	Axle Load	-15.29	Axle Load
37.83(B)	31.8	31.91	N/A	30.82	Axle Load	-15.34	Axle Load
37.91(L)	31.9	31.80	N/A	30.78	Axle Load	-15.38	Axle Load
37.91(R)	31.9	31.72	N/A	30.78	Axle Load	-15.38	Axle Load
43.76(B)	36.8	23.13	N/A	27.08	Axle Load	-18.93	Axle Load
47.60(B)	40.0	17.50	N/A	24.67	Axle Load	-21.32	Axle Load
49.61(L)	41.7	14.55	N/A	23.42	Axle Load	-22.58	Axle Load
49.61(R)	41.7	14.47	N/A	23.42	Axle Load	-22.58	Axle Load
49.68(B)	41.8	14.36	N/A	23.37	Axle Load	-22.62	Axle Load
49.76(L)	41.8	14.25	N/A	23.33	Axle Load	-22.67	Axle Load
49.76(R)	41.8	14.17	N/A	23.33	Axle Load	-22.67	Axle Load
55.61(B)	46.7	5.59	N/A	19.76	Axle Load	-26.36	Axle Load
59.50(B)	50.0	-0.12	N/A	17.54	Axle Load	-28.92	Axle Load
61.46(L)	51.6	-2.99	N/A	16.41	Axle Load	-30.15	Axle Load
61.46(R)	51.6	-3.07	N/A	16.41	Axle Load	-30.15	Axle Load
61.53(B)	51.7	-3.18	N/A	16.37	Axle Load	-30.20	Axle Load
61.61(L)	51.8	-3.29	N/A	16.32	Axle Load	-30.25	Axle Load
61.61(R)	51.8	-3.37	N/A	16.32	Axle Load	-30.25	Axle Load
67.46(B)	56.7	-11.96	N/A	13.24	Axle Load	-34.21	Axle Load
71.40(B)	60.0	-17.74	N/A	11.20	Axle Load	-36.62	Axle Load
73.31(L)	61.6	-20.54	N/A	10.26	Axle Load	-37.76	Axle Load
73.31(R)	61.6	-20.62	N/A	10.26	Axle Load	-37.76	Axle Load
73.38(B)	61.7	-20.73	N/A	10.22	Axle Load	-37.80	Axle Load
73.46(L)	61.7	-20.84	N/A	10.19	Axle Load	-37.84	Axle Load
73.46(R)	61.7	-20.92	N/A	10.19	Axle Load	-37.84	Axle Load
79.31(B)	66.6	-29.50	N/A	7.63	Axle Load	-41.74	Axle Load
83.30(B)	70.0	-35.35	N/A	7.32	Axle Load	-43.94	Axle Load
85.16(L)	71.6	-38.08	N/A	7.32	Axle Load	-44.91	Axle Load

85.16(R)	71.6	-38.16	N/A	7.32	Axle Load	-44.91	Axle Load
85.23(B)	71.6	-38.27	N/A	7.32	Axle Load	-44.95	Axle Load
85.31(L)	71.7	-38.38	N/A	7.32	Axle Load	-44.99	Axle Load
85.31(R)	71.7	-38.46	N/A	7.32	Axle Load	-44.99	Axle Load
91.16(B)	76.6	-47.04	N/A	7.41	Axle Load	-48.47	Axle Load
95.20(B)	80.0	-52.97	N/A	7.41	Axle Load	-50.27	Axle Load
95.50(B)	80.3	-53.41	N/A	7.41	Axle Load	-50.40	Axle Load
97.01(L)	81.5	-55.63	N/A	7.41	Axle Load	-51.01	Axle Load
97.01(R)	81.5	-55.71	N/A	7.41	Axle Load	-51.01	Axle Load
97.08(B)	81.6	-55.82	N/A	7.41	Axle Load	-51.04	Axle Load
97.16(L)	81.6	-55.93	N/A	7.41	Axle Load	-51.07	Axle Load
97.16(R)	81.6	-56.01	N/A	7.41	Axle Load	-51.07	Axle Load
103.01(B)	86.6	-64.59	N/A	7.51	Axle Load	-53.87	Axle Load
104.00(B)	87.4	-66.04	N/A	7.51	Axle Load	-54.18	Axle Load
107.10(B)	90.0	-70.82	N/A	7.51	Axle Load	-55.10	Axle Load
108.86(L)	91.5	-73.53	N/A	7.51	Axle Load	-55.56	Axle Load
108.86(R)	91.5	-73.61	N/A	7.51	Axle Load	-55.56	Axle Load
108.93(B)	91.5	-73.73	N/A	7.51	Axle Load	-55.57	Axle Load
109.01(L)	91.6	-73.84	N/A	7.51	Axle Load	-55.59	Axle Load
109.01(R)	91.6	-73.92	N/A	7.51	Axle Load	-55.59	Axle Load
114.00(B)	95.8	-81.62	N/A	7.60	Axle Load	-57.38	Axle Load
119.00(L)	100.0	-89.32	N/A	7.60	Axle Load	-58.09	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	89.42	N/A	58.10	Axle Load	-7.62	Axle Load
0.93(B)	0.8	87.99	N/A	54.38	Axle Load	-7.15	Axle Load
1.86(L)	1.6	86.56	N/A	54.26	Axle Load	-7.15	Axle Load
1.86(R)	1.6	86.48	N/A	54.26	Axle Load	-7.15	Axle Load
2.03(B)	1.7	86.21	N/A	54.24	Axle Load	-7.15	Axle Load
2.21(L)	1.9	85.94	N/A	54.21	Axle Load	-7.15	Axle Load
2.21(R)	1.9	85.86	N/A	54.21	Axle Load	-7.15	Axle Load
8.13(B)	6.8	76.73	N/A	53.20	Axle Load	-7.15	Axle Load
11.90(B)	10.0	70.92	N/A	52.31	Axle Load	-7.15	Axle Load
14.06(L)	11.8	67.60	N/A	51.72	Axle Load	-7.15	Axle Load
14.06(R)	11.8	67.52	N/A	51.72	Axle Load	-7.15	Axle Load
14.13(B)	11.9	67.40	N/A	51.70	Axle Load	-7.15	Axle Load
14.21(L)	11.9	67.29	N/A	51.68	Axle Load	-7.15	Axle Load
14.21(R)	11.9	67.21	N/A	51.68	Axle Load	-7.15	Axle Load
15.00(B)	12.6	65.99	N/A	51.45	Axle Load	-7.15	Axle Load
20.06(B)	16.9	58.56	N/A	49.78	Axle Load	-7.15	Axle Load

23.50(B)	19.7	53.52	N/A	48.45	Axle Load	-7.15	Axle Load
23.80(B)	20.0	53.08	N/A	48.33	Axle Load	-7.15	Axle Load
25.91(L)	21.8	49.98	N/A	47.45	Axle Load	-7.15	Axle Load
25.91(R)	21.8	49.90	N/A	47.45	Axle Load	-7.15	Axle Load
25.98(B)	21.8	49.79	N/A	47.42	Axle Load	-7.15	Axle Load
26.06(L)	21.9	49.68	N/A	47.39	Axle Load	-7.15	Axle Load
26.06(R)	21.9	49.60	N/A	47.39	Axle Load	-7.15	Axle Load
31.91(B)	26.8	41.02	N/A	44.71	Axle Load	-7.15	Axle Load
35.70(B)	30.0	35.46	N/A	42.79	Axle Load	-7.15	Axle Load
37.76(L)	31.7	32.44	N/A	41.71	Axle Load	-7.15	Axle Load
37.76(R)	31.7	32.36	N/A	41.71	Axle Load	-7.15	Axle Load
37.83(B)	31.8	32.25	N/A	41.67	Axle Load	-7.15	Axle Load
37.91(L)	31.9	32.14	N/A	41.63	Axle Load	-7.15	Axle Load
37.91(R)	31.9	32.06	N/A	41.63	Axle Load	-7.15	Axle Load
43.76(B)	36.8	23.47	N/A	38.38	Axle Load	-9.22	Axle Load
47.60(B)	40.0	17.84	N/A	36.13	Axle Load	-11.06	Axle Load
49.61(L)	41.7	14.89	N/A	34.93	Axle Load	-12.07	Axle Load
49.61(R)	41.7	14.81	N/A	34.93	Axle Load	-12.07	Axle Load
49.68(B)	41.8	14.70	N/A	34.89	Axle Load	-12.10	Axle Load
49.76(L)	41.8	14.59	N/A	34.84	Axle Load	-12.14	Axle Load
49.76(R)	41.8	14.51	N/A	34.84	Axle Load	-12.14	Axle Load
55.61(B)	46.7	5.93	N/A	31.26	Axle Load	-15.27	Axle Load
59.50(B)	50.0	0.22	N/A	28.92	Axle Load	-17.54	Axle Load
61.46(L)	51.6	-2.65	N/A	27.68	Axle Load	-18.68	Axle Load
61.46(R)	51.6	-2.73	N/A	27.68	Axle Load	-18.68	Axle Load
61.53(B)	51.7	-2.84	N/A	27.63	Axle Load	-18.73	Axle Load
61.61(L)	51.8	-2.95	N/A	27.58	Axle Load	-18.77	Axle Load
61.61(R)	51.8	-3.03	N/A	27.58	Axle Load	-18.77	Axle Load
67.46(B)	56.7	-11.62	N/A	24.11	Axle Load	-22.52	Axle Load
71.40(B)	60.0	-17.40	N/A	21.60	Axle Load	-25.00	Axle Load
73.31(L)	61.6	-20.20	N/A	20.39	Axle Load	-26.21	Axle Load
73.31(R)	61.6	-20.28	N/A	20.39	Axle Load	-26.21	Axle Load
73.38(B)	61.7	-20.39	N/A	20.34	Axle Load	-26.26	Axle Load
73.46(L)	61.7	-20.50	N/A	20.30	Axle Load	-26.31	Axle Load
73.46(R)	61.7	-20.58	N/A	20.30	Axle Load	-26.31	Axle Load
79.31(B)	66.6	-29.16	N/A	16.88	Axle Load	-30.44	Axle Load
83.30(B)	70.0	-35.01	N/A	14.46	Axle Load	-33.03	Axle Load
85.16(L)	71.6	-37.74	N/A	13.35	Axle Load	-34.23	Axle Load
85.16(R)	71.6	-37.82	N/A	13.35	Axle Load	-34.23	Axle Load
85.23(B)	71.6	-37.93	N/A	13.30	Axle Load	-34.28	Axle Load
85.31(L)	71.7	-38.04	N/A	13.26	Axle Load	-34.33	Axle Load
85.31(R)	71.7	-38.12	N/A	13.26	Axle Load	-34.33	Axle Load
91.16(B)	76.6	-46.70	N/A	10.05	Axle Load	-38.55	Axle Load

95.20(B)	80.0	-52.63	N/A	7.85	Axle Load	-41.10	Axle Load
95.50(B)	80.3	-53.07	N/A	7.69	Axle Load	-41.28	Axle Load
97.01(L)	81.5	-55.29	N/A	6.91	Axle Load	-42.21	Axle Load
97.01(R)	81.5	-55.37	N/A	6.91	Axle Load	-42.21	Axle Load
97.08(B)	81.6	-55.48	N/A	6.87	Axle Load	-42.26	Axle Load
97.16(L)	81.6	-55.59	N/A	6.83	Axle Load	-42.31	Axle Load
97.16(R)	81.6	-55.67	N/A	6.83	Axle Load	-42.31	Axle Load
103.01(B)	86.6	-64.25	N/A	4.01	Axle Load	-46.37	Axle Load
106.00(B)	89.1	-68.64	N/A	2.66	Axle Load	-48.09	Axle Load
107.10(B)	90.0	-70.33	N/A	2.18	Axle Load	-48.71	Axle Load
108.86(L)	91.5	-73.04	N/A	1.42	Axle Load	-49.68	Axle Load
108.86(R)	91.5	-73.12	N/A	1.42	Axle Load	-49.68	Axle Load
108.93(B)	91.5	-73.24	N/A	1.39	Axle Load	-49.72	Axle Load
109.01(L)	91.6	-73.35	N/A	1.36	Axle Load	-49.76	Axle Load
109.01(R)	91.6	-73.43	N/A	1.36	Axle Load	-49.76	Axle Load
114.00(B)	95.8	-81.13	N/A	0.00	Axle Load	-53.03	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-55.47	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	90.65	N/A	56.31	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	52.48	Axle Load	0.00	Axle Load
1.86(L)	2.0	87.79	N/A	52.16	Axle Load	0.00	Axle Load
1.86(R)	2.0	87.71	N/A	52.16	Axle Load	0.00	Axle Load
2.03(B)	2.1	87.44	N/A	52.10	Axle Load	0.00	Axle Load
2.21(L)	2.3	87.17	N/A	52.04	Axle Load	0.00	Axle Load
2.21(R)	2.3	87.09	N/A	52.04	Axle Load	0.00	Axle Load
8.58(B)	9.0	77.26	N/A	49.65	Axle Load	-0.58	Axle Load
9.52(B)	10.0	75.81	N/A	49.27	Axle Load	-0.86	Axle Load
13.00(B)	13.6	70.46	N/A	47.80	Axle Load	-1.91	Axle Load
14.96(L)	15.7	67.58	N/A	46.95	Axle Load	-2.55	Axle Load
14.96(R)	15.7	67.50	N/A	46.95	Axle Load	-2.55	Axle Load
15.25(B)	16.0	67.08	N/A	46.82	Axle Load	-2.65	Axle Load
15.54(L)	16.3	66.65	N/A	46.69	Axle Load	-2.74	Axle Load
15.54(R)	16.3	66.57	N/A	46.69	Axle Load	-2.74	Axle Load
19.05(B)	20.0	61.42	N/A	45.05	Axle Load	-3.97	Axle Load
21.62(B)	22.7	57.65	N/A	43.78	Axle Load	-4.94	Axle Load
23.50(B)	24.7	54.89	N/A	42.83	Axle Load	-5.69	Axle Load
27.71(L)	29.1	48.72	N/A	40.60	Axle Load	-7.44	Axle Load
27.71(R)	29.1	48.64	N/A	40.60	Axle Load	-7.44	Axle Load
28.00(B)	29.4	48.21	N/A	40.44	Axle Load	-7.57	Axle Load

28.29(L)	29.7	47.79	N/A	40.29	Axle Load	-7.70	Axle Load
28.29(R)	29.7	47.71	N/A	40.29	Axle Load	-7.70	Axle Load
28.58(B)	30.0	47.29	N/A	40.13	Axle Load	-7.82	Axle Load
34.37(B)	36.1	38.78	N/A	36.85	Axle Load	-10.51	Axle Load
38.10(B)	40.0	33.32	N/A	34.63	Axle Load	-12.36	Axle Load
40.46(L)	42.5	29.85	N/A	33.18	Axle Load	-13.59	Axle Load
40.46(R)	42.5	29.77	N/A	33.18	Axle Load	-13.59	Axle Load
40.75(B)	42.8	29.35	N/A	33.00	Axle Load	-13.74	Axle Load
41.04(L)	43.1	28.92	N/A	32.82	Axle Load	-13.90	Axle Load
41.04(R)	43.1	28.84	N/A	32.82	Axle Load	-13.90	Axle Load
47.12(B)	49.5	19.92	N/A	28.96	Axle Load	-17.26	Axle Load
47.63(B)	50.0	19.18	N/A	28.72	Axle Load	-17.60	Axle Load
53.21(L)	55.9	10.99	N/A	25.23	Axle Load	-21.10	Axle Load
53.21(R)	55.9	10.91	N/A	25.23	Axle Load	-21.10	Axle Load
53.50(B)	56.2	10.48	N/A	25.03	Axle Load	-21.28	Axle Load
53.79(L)	56.5	10.06	N/A	24.83	Axle Load	-21.46	Axle Load
53.79(R)	56.5	9.98	N/A	24.83	Axle Load	-21.46	Axle Load
57.15(B)	60.0	5.05	N/A	22.50	Axle Load	-23.56	Axle Load
59.87(B)	62.9	1.05	N/A	20.59	Axle Load	-25.31	Axle Load
65.96(L)	69.2	-7.88	N/A	16.43	Axle Load	-29.71	Axle Load
65.96(R)	69.2	-7.96	N/A	16.43	Axle Load	-29.71	Axle Load
66.25(B)	69.6	-8.38	N/A	16.21	Axle Load	-29.91	Axle Load
66.54(L)	69.9	-8.81	N/A	16.00	Axle Load	-30.11	Axle Load
66.54(R)	69.9	-8.89	N/A	16.00	Axle Load	-30.11	Axle Load
66.68(B)	70.0	-9.09	N/A	15.90	Axle Load	-30.20	Axle Load
72.62(B)	76.2	-17.81	N/A	11.63	Axle Load	-34.77	Axle Load
76.20(B)	80.0	-23.06	N/A	8.91	Axle Load	-37.36	Axle Load
78.71(L)	82.6	-26.74	N/A	7.60	Axle Load	-39.20	Axle Load
78.71(R)	82.6	-26.82	N/A	7.60	Axle Load	-39.20	Axle Load
79.00(B)	82.9	-27.25	N/A	7.45	Axle Load	-39.41	Axle Load
79.29(L)	83.2	-27.67	N/A	7.30	Axle Load	-39.63	Axle Load
79.29(R)	83.2	-27.75	N/A	7.30	Axle Load	-39.63	Axle Load
85.37(B)	89.6	-36.68	N/A	5.25	Axle Load	-44.70	Axle Load
85.72(B)	90.0	-37.19	N/A	5.25	Axle Load	-44.96	Axle Load
91.46(L)	96.0	-45.61	N/A	5.31	Axle Load	-49.95	Axle Load
91.46(R)	96.0	-45.69	N/A	5.31	Axle Load	-49.95	Axle Load
91.75(B)	96.3	-46.11	N/A	5.31	Axle Load	-50.18	Axle Load
92.04(L)	96.6	-46.54	N/A	5.31	Axle Load	-50.40	Axle Load
92.04(R)	96.6	-46.62	N/A	5.31	Axle Load	-50.40	Axle Load
93.64(B)	98.3	-48.97	N/A	5.31	Axle Load	-51.66	Axle Load
95.25(L)	100.0	-51.33	N/A	5.31	Axle Load	-52.92	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: Type 3-3
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	61.20	Axle Load	-6.89	Axle Load
2	179.47	N/A	89.29	Axle Load	0.00	Axle Load
3	178.74	N/A	90.18	Axle Load	-10.42	Axle Load
4	179.48	N/A	89.67	Axle Load	0.00	Axle Load
5	51.33	N/A	65.01	Axle Load	-7.32	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: Type 3-3
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	140.27	Axle Load	-16.80	Axle Load
6.64(L)	7.0	308.14	N/A	262.95	Axle Load	-33.60	Axle Load
6.64(R)	7.0	308.14	N/A	262.95	Axle Load	-33.60	Axle Load
9.52(B)	10.0	421.44	N/A	355.62	Axle Load	-48.20	Axle Load
13.11(B)	13.8	545.33	N/A	453.22	Axle Load	-66.37	Axle Load
19.05(B)	20.0	708.73	N/A	585.03	Axle Load	-96.41	Axle Load
19.59(L)	20.6	721.01	N/A	594.93	Axle Load	-99.14	Axle Load
19.59(R)	20.6	721.01	N/A	594.93	Axle Load	-99.14	Axle Load
26.06(B)	27.4	834.15	N/A	682.75	Axle Load	-131.90	Axle Load
28.58(B)	30.0	861.47	N/A	704.72	Axle Load	-144.61	Axle Load
32.54(L)	34.2	885.78	N/A	737.89	Axle Load	-164.67	Axle Load
32.54(R)	34.2	885.78	N/A	737.89	Axle Load	-164.67	Axle Load
38.10(B)	40.0	880.13	N/A	764.55	Axle Load	-192.81	Axle Load

39.01(B)	41.0	874.86	N/A	766.57	Axle Load	-197.44	Axle Load
45.49(L)	47.8	802.44	N/A	751.51	Axle Load	-230.21	Axle Load
45.49(R)	47.8	802.44	N/A	751.51	Axle Load	-230.21	Axle Load
47.63(B)	50.0	764.72	N/A	742.23	Axle Load	-241.02	Axle Load
51.96(B)	54.6	667.47	N/A	708.80	Axle Load	-262.98	Axle Load
57.15(B)	60.0	515.02	N/A	647.53	Axle Load	-289.22	Axle Load
58.44(L)	61.4	470.99	N/A	629.87	Axle Load	-295.74	Axle Load
58.44(R)	61.4	470.99	N/A	629.87	Axle Load	-295.74	Axle Load
64.91(B)	68.2	211.97	N/A	515.89	Axle Load	-328.51	Axle Load
66.68(B)	70.0	130.91	N/A	482.05	Axle Load	-337.42	Axle Load
71.39(L)	74.9	-108.56	N/A	365.43	Axle Load	-350.30	Axle Load
71.39(R)	74.9	-108.56	N/A	365.43	Axle Load	-350.30	Axle Load
71.75(B)	75.3	-128.27	N/A	356.71	Axle Load	-352.07	Axle Load
76.20(B)	80.0	-387.28	N/A	241.64	Axle Load	-373.91	Axle Load
77.86(B)	81.7	-491.63	N/A	194.68	Axle Load	-382.08	Axle Load
82.25(B)	86.4	-786.02	N/A	61.52	Axle Load	-403.60	Axle Load
84.34(L)	88.5	-936.37	N/A	0.00	Axle Load	-413.85	Axle Load
84.34(R)	88.5	-936.37	N/A	0.00	Axle Load	-413.85	Axle Load
85.72(B)	90.0	-1040.00	N/A	0.00	Axle Load	-420.65	Axle Load
89.79(B)	94.3	-1361.49	N/A	0.00	Axle Load	-440.62	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-538.19	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-538.19	Axle Load
1.02(B)	0.9	-1742.59	N/A	0.00	Axle Load	-531.11	Axle Load
2.04(L)	1.7	-1654.31	N/A	0.00	Axle Load	-524.03	Axle Load
2.04(R)	1.7	-1654.31	N/A	0.00	Axle Load	-524.03	Axle Load
2.12(B)	1.8	-1647.03	N/A	0.00	Axle Load	-523.44	Axle Load
2.21(L)	1.9	-1639.76	N/A	0.00	Axle Load	-522.85	Axle Load
2.21(R)	1.9	-1639.76	N/A	0.00	Axle Load	-522.85	Axle Load
8.13(B)	6.8	-1160.99	N/A	0.00	Axle Load	-481.70	Axle Load
11.90(B)	10.0	-884.84	N/A	54.33	Axle Load	-455.55	Axle Load
13.00(B)	10.9	-808.29	N/A	86.20	Axle Load	-447.91	Axle Load
14.06(L)	11.8	-736.29	N/A	116.12	Axle Load	-440.55	Axle Load
14.06(R)	11.8	-736.29	N/A	116.12	Axle Load	-440.55	Axle Load
14.13(B)	11.9	-731.26	N/A	118.19	Axle Load	-440.03	Axle Load
14.21(L)	11.9	-726.24	N/A	120.25	Axle Load	-439.51	Axle Load
14.21(R)	11.9	-726.24	N/A	120.25	Axle Load	-439.51	Axle Load
20.06(B)	16.9	-360.52	N/A	268.38	Axle Load	-398.89	Axle Load
23.50(B)	19.7	-168.88	N/A	342.47	Axle Load	-374.99	Axle Load

23.80(B)	20.0	-152.99	N/A	348.38	Axle Load	-372.91	Axle Load
25.91(L)	21.8	-45.01	N/A	377.82	Axle Load	-348.55	Axle Load
25.91(R)	21.8	-45.01	N/A	377.82	Axle Load	-348.55	Axle Load
25.98(B)	21.8	-41.30	N/A	379.12	Axle Load	-348.04	Axle Load
26.06(L)	21.9	-37.59	N/A	380.41	Axle Load	-347.53	Axle Load
26.06(R)	21.9	-37.59	N/A	380.41	Axle Load	-347.53	Axle Load
31.91(B)	26.8	225.48	N/A	471.65	Axle Load	-308.01	Axle Load
35.70(B)	30.0	369.14	N/A	518.66	Axle Load	-282.40	Axle Load
37.76(L)	31.7	438.35	N/A	538.95	Axle Load	-268.49	Axle Load
37.76(R)	31.7	438.35	N/A	538.95	Axle Load	-268.49	Axle Load
37.83(B)	31.8	440.75	N/A	539.61	Axle Load	-267.98	Axle Load
37.91(L)	31.9	443.14	N/A	540.26	Axle Load	-267.47	Axle Load
37.91(R)	31.9	443.14	N/A	540.26	Axle Load	-267.47	Axle Load
43.76(B)	36.8	603.58	N/A	585.99	Axle Load	-227.95	Axle Load
47.60(B)	40.0	681.61	N/A	600.06	Axle Load	-202.00	Axle Load
49.61(L)	41.7	713.81	N/A	602.40	Axle Load	-188.43	Axle Load
49.61(R)	41.7	713.81	N/A	602.40	Axle Load	-188.43	Axle Load
49.68(B)	41.8	714.90	N/A	602.41	Axle Load	-187.92	Axle Load
49.76(L)	41.8	715.97	N/A	602.43	Axle Load	-187.41	Axle Load
49.76(R)	41.8	715.97	N/A	602.43	Axle Load	-187.41	Axle Load
55.61(B)	46.7	773.77	N/A	593.62	Axle Load	-147.89	Axle Load
59.50(B)	50.0	784.42	N/A	573.96	Axle Load	-121.60	Axle Load
61.46(L)	51.6	781.37	N/A	559.56	Axle Load	-108.36	Axle Load
61.46(R)	51.6	781.37	N/A	559.56	Axle Load	-108.36	Axle Load
61.53(B)	51.7	781.13	N/A	558.92	Axle Load	-107.86	Axle Load
61.61(L)	51.8	780.89	N/A	558.27	Axle Load	-107.35	Axle Load
61.61(R)	51.8	780.89	N/A	558.27	Axle Load	-107.35	Axle Load
67.46(B)	56.7	736.06	N/A	496.81	Axle Load	-67.83	Axle Load
71.40(B)	60.0	677.56	N/A	444.43	Axle Load	-41.20	Axle Load
73.31(L)	61.6	641.02	N/A	414.81	Axle Load	-28.30	Axle Load
73.31(R)	61.6	641.02	N/A	414.81	Axle Load	-28.30	Axle Load
73.38(B)	61.7	639.47	N/A	413.59	Axle Load	-27.80	Axle Load
73.46(L)	61.7	637.91	N/A	412.37	Axle Load	-27.29	Axle Load
73.46(R)	61.7	637.91	N/A	412.37	Axle Load	-27.29	Axle Load
79.31(B)	66.6	490.44	N/A	306.07	Axle Load	0.00	Axle Load
83.30(B)	70.0	361.03	N/A	226.36	Axle Load	-22.24	Axle Load
85.16(L)	71.6	292.76	N/A	197.47	Axle Load	-46.27	Axle Load
85.16(R)	71.6	292.76	N/A	197.47	Axle Load	-46.27	Axle Load
85.23(B)	71.6	289.89	N/A	196.60	Axle Load	-51.17	Axle Load
85.31(L)	71.7	287.02	N/A	195.72	Axle Load	-52.29	Axle Load
85.31(R)	71.7	287.02	N/A	195.72	Axle Load	-52.29	Axle Load
91.16(B)	76.6	36.91	N/A	130.79	Axle Load	-167.87	Axle Load
95.20(B)	80.0	-165.15	N/A	119.59	Axle Load	-273.81	Axle Load

95.50(B)	80.3	-181.11	N/A	121.62	Axle Load	-282.36	Axle Load
97.01(L)	81.5	-263.41	N/A	131.82	Axle Load	-326.41	Axle Load
97.01(R)	81.5	-263.41	N/A	131.82	Axle Load	-326.41	Axle Load
97.08(B)	81.6	-267.59	N/A	132.32	Axle Load	-328.65	Axle Load
97.16(L)	81.6	-271.78	N/A	132.83	Axle Load	-330.89	Axle Load
97.16(R)	81.6	-271.78	N/A	132.83	Axle Load	-330.89	Axle Load
103.01(B)	86.6	-624.52	N/A	172.35	Axle Load	-521.28	Axle Load
104.00(B)	87.4	-689.23	N/A	179.05	Axle Load	-556.34	Axle Load
107.10(B)	90.0	-901.36	N/A	199.99	Axle Load	-669.38	Axle Load
108.86(L)	91.5	-1028.35	N/A	211.88	Axle Load	-735.78	Axle Load
108.86(R)	91.5	-1028.35	N/A	211.88	Axle Load	-735.78	Axle Load
108.93(B)	91.5	-1033.88	N/A	212.39	Axle Load	-738.67	Axle Load
109.01(L)	91.6	-1039.41	N/A	212.89	Axle Load	-741.55	Axle Load
109.01(R)	91.6	-1039.41	N/A	212.89	Axle Load	-741.55	Axle Load
114.00(B)	95.8	-1427.90	N/A	246.64	Axle Load	-939.83	Axle Load
119.00(L)	100.0	-1854.85	N/A	280.39	Axle Load	-1148.87	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1854.80	N/A	280.81	Axle Load	-1148.68	Axle Load
0.93(B)	0.8	-1772.33	N/A	274.52	Axle Load	-1109.23	Axle Load
1.86(L)	1.6	-1691.19	N/A	268.22	Axle Load	-1069.87	Axle Load
1.86(R)	1.6	-1691.19	N/A	268.22	Axle Load	-1069.87	Axle Load
2.03(B)	1.7	-1676.08	N/A	267.04	Axle Load	-1062.52	Axle Load
2.21(L)	1.9	-1661.02	N/A	265.86	Axle Load	-1055.16	Axle Load
2.21(R)	1.9	-1661.02	N/A	265.86	Axle Load	-1055.16	Axle Load
8.13(B)	6.8	-1179.36	N/A	225.77	Axle Load	-814.16	Axle Load
11.90(B)	10.0	-901.36	N/A	200.29	Axle Load	-669.42	Axle Load
14.06(L)	11.8	-751.80	N/A	185.68	Axle Load	-590.11	Axle Load
14.06(R)	11.8	-751.80	N/A	185.68	Axle Load	-590.11	Axle Load
14.13(B)	11.9	-746.74	N/A	185.17	Axle Load	-587.37	Axle Load
14.21(L)	11.9	-741.69	N/A	184.66	Axle Load	-584.63	Axle Load
14.21(R)	11.9	-741.69	N/A	184.66	Axle Load	-584.63	Axle Load
15.00(B)	12.6	-689.04	N/A	179.31	Axle Load	-556.26	Axle Load
20.06(B)	16.9	-373.96	N/A	145.08	Axle Load	-386.25	Axle Load
23.50(B)	19.7	-181.15	N/A	121.80	Axle Load	-282.24	Axle Load
23.80(B)	20.0	-165.16	N/A	119.77	Axle Load	-273.58	Axle Load
25.91(L)	21.8	-56.46	N/A	111.14	Axle Load	-216.17	Axle Load
25.91(R)	21.8	-56.46	N/A	111.14	Axle Load	-216.17	Axle Load
25.98(B)	21.8	-52.72	N/A	111.89	Axle Load	-214.20	Axle Load
26.06(L)	21.9	-48.99	N/A	112.65	Axle Load	-212.23	Axle Load

26.06(R)	21.9	-48.99	N/A	112.65	Axle Load	-212.23	Axle Load
31.91(B)	26.8	216.08	N/A	174.54	Axle Load	-81.98	Axle Load
35.70(B)	30.0	361.02	N/A	225.89	Axle Load	-25.49	Axle Load
37.76(L)	31.7	430.94	N/A	267.00	Axle Load	-6.64	Axle Load
37.76(R)	31.7	430.94	N/A	267.00	Axle Load	-6.64	Axle Load
37.83(B)	31.8	433.36	N/A	268.54	Axle Load	-6.13	Axle Load
37.91(L)	31.9	435.77	N/A	270.09	Axle Load	-5.66	Axle Load
37.91(R)	31.9	435.77	N/A	270.09	Axle Load	-5.66	Axle Load
43.76(B)	36.8	598.20	N/A	382.13	Axle Load	-15.28	Axle Load
47.60(B)	40.0	677.54	N/A	444.36	Axle Load	-41.27	Axle Load
49.61(L)	41.7	710.43	N/A	472.77	Axle Load	-54.86	Axle Load
49.61(R)	41.7	710.43	N/A	472.77	Axle Load	-54.86	Axle Load
49.68(B)	41.8	711.53	N/A	473.75	Axle Load	-55.37	Axle Load
49.76(L)	41.8	712.63	N/A	474.73	Axle Load	-55.88	Axle Load
49.76(R)	41.8	712.63	N/A	474.73	Axle Load	-55.88	Axle Load
55.61(B)	46.7	772.43	N/A	541.90	Axle Load	-95.46	Axle Load
59.50(B)	50.0	784.39	N/A	573.99	Axle Load	-121.78	Axle Load
61.46(L)	51.6	782.01	N/A	585.62	Axle Load	-135.04	Axle Load
61.46(R)	51.6	782.01	N/A	585.62	Axle Load	-135.04	Axle Load
61.53(B)	51.7	781.80	N/A	585.99	Axle Load	-135.55	Axle Load
61.61(L)	51.8	781.59	N/A	586.37	Axle Load	-136.06	Axle Load
61.61(R)	51.8	781.59	N/A	586.37	Axle Load	-136.06	Axle Load
67.46(B)	56.7	738.74	N/A	601.17	Axle Load	-175.64	Axle Load
71.40(B)	60.0	681.58	N/A	600.03	Axle Load	-202.30	Axle Load
73.31(L)	61.6	645.69	N/A	594.88	Axle Load	-215.22	Axle Load
73.31(R)	61.6	645.69	N/A	594.88	Axle Load	-215.22	Axle Load
73.38(B)	61.7	644.17	N/A	594.59	Axle Load	-215.73	Axle Load
73.46(L)	61.7	642.63	N/A	594.30	Axle Load	-216.24	Axle Load
73.46(R)	61.7	642.63	N/A	594.30	Axle Load	-216.24	Axle Load
79.31(B)	66.6	497.15	N/A	557.00	Axle Load	-255.82	Axle Load
83.30(B)	70.0	369.10	N/A	518.72	Axle Load	-282.82	Axle Load
85.16(L)	71.6	301.46	N/A	497.23	Axle Load	-295.40	Axle Load
85.16(R)	71.6	301.46	N/A	497.23	Axle Load	-295.40	Axle Load
85.23(B)	71.6	298.62	N/A	496.29	Axle Load	-295.91	Axle Load
85.31(L)	71.7	295.77	N/A	495.35	Axle Load	-296.42	Axle Load
85.31(R)	71.7	295.77	N/A	495.35	Axle Load	-296.42	Axle Load
91.16(B)	76.6	47.65	N/A	409.72	Axle Load	-336.00	Axle Load
95.20(B)	80.0	-153.04	N/A	348.52	Axle Load	-373.46	Axle Load
95.50(B)	80.3	-168.89	N/A	342.57	Axle Load	-375.55	Axle Load
97.01(L)	81.5	-250.67	N/A	311.36	Axle Load	-386.05	Axle Load
97.01(R)	81.5	-250.67	N/A	311.36	Axle Load	-386.05	Axle Load
97.08(B)	81.6	-254.83	N/A	309.75	Axle Load	-386.57	Axle Load
97.16(L)	81.6	-258.99	N/A	308.13	Axle Load	-387.09	Axle Load

97.16(R)	81.6	-258.99	N/A	308.13	Axle Load	-387.09	Axle Load
103.01(B)	86.6	-609.75	N/A	167.98	Axle Load	-427.78	Axle Load
106.00(B)	89.1	-808.45	N/A	86.23	Axle Load	-448.58	Axle Load
107.10(B)	90.0	-884.89	N/A	54.30	Axle Load	-456.23	Axle Load
108.86(L)	91.5	-1011.02	N/A	1.63	Axle Load	-468.46	Axle Load
108.86(R)	91.5	-1011.02	N/A	1.63	Axle Load	-468.46	Axle Load
108.93(B)	91.5	-1016.50	N/A	0.00	Axle Load	-468.98	Axle Load
109.01(L)	91.6	-1022.00	N/A	0.00	Axle Load	-469.51	Axle Load
109.01(R)	91.6	-1022.00	N/A	0.00	Axle Load	-469.51	Axle Load
114.00(B)	95.8	-1408.06	N/A	0.00	Axle Load	-504.25	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-538.99	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-538.99	Axle Load
0.93(B)	1.0	-1748.95	N/A	0.00	Axle Load	-502.45	Axle Load
1.86(L)	2.0	-1666.67	N/A	0.00	Axle Load	-466.36	Axle Load
1.86(R)	2.0	-1666.67	N/A	0.00	Axle Load	-466.36	Axle Load
2.03(B)	2.1	-1651.34	N/A	0.00	Axle Load	-459.64	Axle Load
2.21(L)	2.3	-1636.07	N/A	0.00	Axle Load	-456.23	Axle Load
2.21(R)	2.3	-1636.07	N/A	0.00	Axle Load	-456.23	Axle Load
8.58(B)	9.0	-1112.19	N/A	0.00	Axle Load	-424.97	Axle Load
9.52(B)	10.0	-1040.20	N/A	0.00	Axle Load	-420.35	Axle Load
13.00(B)	13.6	-786.05	N/A	62.06	Axle Load	-403.31	Axle Load
14.96(L)	15.7	-650.81	N/A	123.13	Axle Load	-393.71	Axle Load
14.96(R)	15.7	-650.81	N/A	123.13	Axle Load	-393.71	Axle Load
15.25(B)	16.0	-631.30	N/A	131.85	Axle Load	-392.28	Axle Load
15.54(L)	16.3	-611.91	N/A	140.48	Axle Load	-390.86	Axle Load
15.54(R)	16.3	-611.91	N/A	140.48	Axle Load	-390.86	Axle Load
19.05(B)	20.0	-387.24	N/A	241.03	Axle Load	-373.65	Axle Load
21.62(B)	22.7	-233.97	N/A	309.60	Axle Load	-361.02	Axle Load
23.50(B)	24.7	-128.43	N/A	356.08	Axle Load	-351.83	Axle Load
27.71(L)	29.1	89.65	N/A	464.36	Axle Load	-341.56	Axle Load
27.71(R)	29.1	89.65	N/A	464.36	Axle Load	-341.56	Axle Load
28.00(B)	29.4	103.69	N/A	470.44	Axle Load	-340.10	Axle Load
28.29(L)	29.7	117.61	N/A	476.42	Axle Load	-338.63	Axle Load
28.29(R)	29.7	117.61	N/A	476.42	Axle Load	-338.63	Axle Load
28.58(B)	30.0	131.18	N/A	482.19	Axle Load	-337.19	Axle Load
34.37(B)	36.1	380.76	N/A	591.65	Axle Load	-307.86	Axle Load
38.10(B)	40.0	515.06	N/A	646.93	Axle Load	-289.02	Axle Load
40.46(L)	42.5	589.58	N/A	675.88	Axle Load	-277.08	Axle Load

40.46(R)	42.5	589.58	N/A	675.88	Axle Load	-277.08	Axle Load
40.75(B)	42.8	598.15	N/A	679.64	Axle Load	-275.62	Axle Load
41.04(L)	43.1	606.60	N/A	683.31	Axle Load	-274.15	Axle Load
41.04(R)	43.1	606.60	N/A	683.31	Axle Load	-274.15	Axle Load
47.12(B)	49.5	754.95	N/A	739.64	Axle Load	-243.38	Axle Load
47.63(B)	50.0	764.73	N/A	742.34	Axle Load	-240.85	Axle Load
53.21(L)	55.9	848.97	N/A	765.38	Axle Load	-212.61	Axle Load
53.21(R)	55.9	848.97	N/A	765.38	Axle Load	-212.61	Axle Load
53.50(B)	56.2	852.08	N/A	765.98	Axle Load	-211.14	Axle Load
53.79(L)	56.5	855.05	N/A	766.50	Axle Load	-209.67	Axle Load
53.79(R)	56.5	855.05	N/A	766.50	Axle Load	-209.67	Axle Load
57.15(B)	60.0	880.30	N/A	764.43	Axle Load	-192.68	Axle Load
59.87(B)	62.9	888.61	N/A	752.49	Axle Load	-178.90	Axle Load
65.96(L)	69.2	867.84	N/A	712.24	Axle Load	-148.13	Axle Load
65.96(R)	69.2	867.84	N/A	712.24	Axle Load	-148.13	Axle Load
66.25(B)	69.6	865.47	N/A	709.26	Axle Load	-146.66	Axle Load
66.54(L)	69.9	862.98	N/A	706.16	Axle Load	-145.19	Axle Load
66.54(R)	69.9	862.98	N/A	706.16	Axle Load	-145.19	Axle Load
66.68(B)	70.0	861.76	N/A	704.66	Axle Load	-144.51	Axle Load
72.62(B)	76.2	781.74	N/A	642.88	Axle Load	-114.42	Axle Load
76.20(B)	80.0	708.66	N/A	584.92	Axle Load	-96.34	Axle Load
78.71(L)	82.6	646.17	N/A	533.47	Axle Load	-83.65	Axle Load
78.71(R)	82.6	646.17	N/A	533.47	Axle Load	-83.65	Axle Load
79.00(B)	82.9	638.33	N/A	526.97	Axle Load	-82.18	Axle Load
79.29(L)	83.2	630.37	N/A	520.33	Axle Load	-80.72	Axle Load
79.29(R)	83.2	630.37	N/A	520.33	Axle Load	-80.72	Axle Load
85.37(B)	89.6	434.33	N/A	366.04	Axle Load	-49.94	Axle Load
85.72(B)	90.0	421.39	N/A	355.63	Axle Load	-48.17	Axle Load
91.46(L)	96.0	183.98	N/A	158.72	Axle Load	-19.17	Axle Load
91.46(R)	96.0	183.98	N/A	158.72	Axle Load	-19.17	Axle Load
91.75(B)	96.3	170.67	N/A	147.39	Axle Load	-17.70	Axle Load
92.04(L)	96.6	157.23	N/A	135.92	Axle Load	-16.24	Axle Load
92.04(R)	96.6	157.23	N/A	135.92	Axle Load	-16.24	Axle Load
93.64(B)	98.3	80.51	N/A	70.04	Axle Load	-8.12	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

*** indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left
(R) Right

Shear Summary
Live Load: Type 3-3
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	61.20	Axle Load	-6.89	Axle Load
3.32(B)	3.5	46.41	N/A	57.54	Axle Load	-6.89	Axle Load
6.64(L)	7.0	41.54	N/A	53.94	Axle Load	-6.89	Axle Load
6.64(R)	7.0	41.38	N/A	53.94	Axle Load	-6.89	Axle Load
9.52(B)	10.0	37.15	N/A	50.84	Axle Load	-6.89	Axle Load
13.11(B)	13.8	31.88	N/A	47.06	Axle Load	-6.89	Axle Load
19.05(B)	20.0	23.17	N/A	41.02	Axle Load	-7.07	Axle Load
19.59(L)	20.6	22.38	N/A	40.48	Axle Load	-7.29	Axle Load
19.59(R)	20.6	22.22	N/A	40.48	Axle Load	-7.29	Axle Load
26.06(B)	27.4	12.72	N/A	34.21	Axle Load	-11.35	Axle Load
28.58(B)	30.0	9.04	N/A	31.88	Axle Load	-12.94	Axle Load
32.54(L)	34.2	3.22	N/A	28.31	Axle Load	-15.44	Axle Load
32.54(R)	34.2	3.06	N/A	28.31	Axle Load	-15.44	Axle Load
38.10(B)	40.0	-5.09	N/A	23.56	Axle Load	-19.42	Axle Load
39.01(B)	41.0	-6.44	N/A	22.81	Axle Load	-20.14	Axle Load
45.49(L)	47.8	-15.93	N/A	17.74	Axle Load	-26.32	Axle Load
45.49(R)	47.8	-16.09	N/A	17.74	Axle Load	-26.32	Axle Load
47.63(B)	50.0	-19.23	N/A	16.21	Axle Load	-28.41	Axle Load
51.96(B)	54.6	-25.59	N/A	13.16	Axle Load	-32.43	Axle Load
57.15(B)	60.0	-33.20	N/A	9.89	Axle Load	-38.02	Axle Load
58.44(L)	61.4	-35.09	N/A	9.10	Axle Load	-39.40	Axle Load
58.44(R)	61.4	-35.25	N/A	9.10	Axle Load	-39.40	Axle Load
64.91(B)	68.2	-44.75	N/A	5.46	Axle Load	-46.75	Axle Load
66.68(B)	70.0	-47.34	N/A	4.53	Axle Load	-48.57	Axle Load
71.39(L)	74.9	-54.25	N/A	2.24	Axle Load	-53.31	Axle Load
71.39(R)	74.9	-54.41	N/A	2.24	Axle Load	-53.31	Axle Load
71.75(B)	75.3	-54.94	N/A	2.10	Axle Load	-54.32	Axle Load
76.20(B)	80.0	-61.47	N/A	0.17	Axle Load	-58.65	Axle Load
77.86(B)	81.7	-63.91	N/A	0.00	Axle Load	-60.22	Axle Load
82.25(B)	86.4	-70.35	N/A	0.00	Axle Load	-65.01	Axle Load
84.34(L)	88.5	-73.57	N/A	0.00	Axle Load	-66.87	Axle Load
84.34(R)	88.5	-73.73	N/A	0.00	Axle Load	-66.87	Axle Load
85.72(B)	90.0	-75.86	N/A	0.00	Axle Load	-68.09	Axle Load
89.79(B)	94.3	-82.13	N/A	0.00	Axle Load	-71.52	Axle Load

95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-76.74	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	72.95	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	67.80	Axle Load	0.00	Axle Load
2.04(L)	1.7	85.79	N/A	66.92	Axle Load	0.00	Axle Load
2.04(R)	1.7	85.71	N/A	66.92	Axle Load	0.00	Axle Load
2.12(B)	1.8	85.58	N/A	66.85	Axle Load	0.00	Axle Load
2.21(L)	1.9	85.45	N/A	66.78	Axle Load	0.00	Axle Load
2.21(R)	1.9	85.37	N/A	66.78	Axle Load	0.00	Axle Load
8.13(B)	6.8	76.24	N/A	61.55	Axle Load	0.00	Axle Load
11.90(B)	10.0	70.44	N/A	58.12	Axle Load	0.00	Axle Load
13.00(B)	10.9	68.74	N/A	57.10	Axle Load	0.00	Axle Load
14.06(L)	11.8	67.19	N/A	56.12	Axle Load	0.00	Axle Load
14.06(R)	11.8	67.11	N/A	56.12	Axle Load	0.00	Axle Load
14.13(B)	11.9	67.00	N/A	56.05	Axle Load	0.00	Axle Load
14.21(L)	11.9	66.89	N/A	55.98	Axle Load	0.00	Axle Load
14.21(R)	11.9	66.81	N/A	55.98	Axle Load	0.00	Axle Load
20.06(B)	16.9	58.22	N/A	50.49	Axle Load	-0.48	Axle Load
23.50(B)	19.7	53.18	N/A	47.24	Axle Load	-2.38	Axle Load
23.80(B)	20.0	52.74	N/A	46.95	Axle Load	-2.56	Axle Load
25.91(L)	21.8	49.64	N/A	44.95	Axle Load	-3.81	Axle Load
25.91(R)	21.8	49.56	N/A	44.95	Axle Load	-3.81	Axle Load
25.98(B)	21.8	49.45	N/A	44.88	Axle Load	-3.86	Axle Load
26.06(L)	21.9	49.34	N/A	44.81	Axle Load	-3.91	Axle Load
26.06(R)	21.9	49.26	N/A	44.81	Axle Load	-3.91	Axle Load
31.91(B)	26.8	40.68	N/A	39.32	Axle Load	-7.70	Axle Load
35.70(B)	30.0	35.12	N/A	35.83	Axle Load	-10.37	Axle Load
37.76(L)	31.7	32.10	N/A	33.95	Axle Load	-11.91	Axle Load
37.76(R)	31.7	32.02	N/A	33.95	Axle Load	-11.91	Axle Load
37.83(B)	31.8	31.91	N/A	33.89	Axle Load	-11.96	Axle Load
37.91(L)	31.9	31.80	N/A	33.82	Axle Load	-12.02	Axle Load
37.91(R)	31.9	31.72	N/A	33.82	Axle Load	-12.02	Axle Load
43.76(B)	36.8	23.13	N/A	28.68	Axle Load	-16.60	Axle Load
47.60(B)	40.0	17.50	N/A	25.47	Axle Load	-19.79	Axle Load
49.61(L)	41.7	14.55	N/A	23.85	Axle Load	-21.51	Axle Load
49.61(R)	41.7	14.47	N/A	23.85	Axle Load	-21.51	Axle Load
49.68(B)	41.8	14.36	N/A	23.79	Axle Load	-21.58	Axle Load
49.76(L)	41.8	14.25	N/A	23.73	Axle Load	-21.64	Axle Load
49.76(R)	41.8	14.17	N/A	23.73	Axle Load	-21.64	Axle Load

55.61(B)	46.7	5.59	N/A	19.29	Axle Load	-26.80	Axle Load
59.50(B)	50.0	-0.12	N/A	16.64	Axle Load	-30.46	Axle Load
61.46(L)	51.6	-2.99	N/A	15.36	Axle Load	-32.28	Axle Load
61.46(R)	51.6	-3.07	N/A	15.36	Axle Load	-32.28	Axle Load
61.53(B)	51.7	-3.18	N/A	15.32	Axle Load	-32.35	Axle Load
61.61(L)	51.8	-3.29	N/A	15.27	Axle Load	-32.42	Axle Load
61.61(R)	51.8	-3.37	N/A	15.27	Axle Load	-32.42	Axle Load
67.46(B)	56.7	-11.96	N/A	11.91	Axle Load	-38.30	Axle Load
71.40(B)	60.0	-17.74	N/A	9.88	Axle Load	-42.09	Axle Load
73.31(L)	61.6	-20.54	N/A	9.88	Axle Load	-43.92	Axle Load
73.31(R)	61.6	-20.62	N/A	9.88	Axle Load	-43.92	Axle Load
73.38(B)	61.7	-20.73	N/A	9.88	Axle Load	-43.99	Axle Load
73.46(L)	61.7	-20.84	N/A	9.88	Axle Load	-44.06	Axle Load
73.46(R)	61.7	-20.92	N/A	9.88	Axle Load	-44.06	Axle Load
79.31(B)	66.6	-29.50	N/A	10.01	Axle Load	-50.28	Axle Load
83.30(B)	70.0	-35.35	N/A	10.01	Axle Load	-54.08	Axle Load
85.16(L)	71.6	-38.08	N/A	10.01	Axle Load	-55.80	Axle Load
85.16(R)	71.6	-38.16	N/A	10.01	Axle Load	-55.80	Axle Load
85.23(B)	71.6	-38.27	N/A	10.01	Axle Load	-55.87	Axle Load
85.31(L)	71.7	-38.38	N/A	10.01	Axle Load	-55.94	Axle Load
85.31(R)	71.7	-38.46	N/A	10.01	Axle Load	-55.94	Axle Load
91.16(B)	76.6	-47.04	N/A	10.14	Axle Load	-62.03	Axle Load
95.20(B)	80.0	-52.97	N/A	10.14	Axle Load	-65.56	Axle Load
95.50(B)	80.3	-53.41	N/A	10.14	Axle Load	-65.82	Axle Load
97.01(L)	81.5	-55.63	N/A	10.14	Axle Load	-67.08	Axle Load
97.01(R)	81.5	-55.71	N/A	10.14	Axle Load	-67.08	Axle Load
97.08(B)	81.6	-55.82	N/A	10.14	Axle Load	-67.14	Axle Load
97.16(L)	81.6	-55.93	N/A	10.14	Axle Load	-67.20	Axle Load
97.16(R)	81.6	-56.01	N/A	10.14	Axle Load	-67.20	Axle Load
103.01(B)	86.6	-64.59	N/A	10.27	Axle Load	-72.75	Axle Load
104.00(B)	87.4	-66.04	N/A	10.27	Axle Load	-73.49	Axle Load
107.10(B)	90.0	-70.82	N/A	10.27	Axle Load	-75.75	Axle Load
108.86(L)	91.5	-73.53	N/A	10.27	Axle Load	-76.95	Axle Load
108.86(R)	91.5	-73.61	N/A	10.27	Axle Load	-76.95	Axle Load
108.93(B)	91.5	-73.73	N/A	10.27	Axle Load	-77.00	Axle Load
109.01(L)	91.6	-73.84	N/A	10.27	Axle Load	-77.05	Axle Load
109.01(R)	91.6	-73.92	N/A	10.27	Axle Load	-77.05	Axle Load
114.00(B)	95.8	-81.62	N/A	10.40	Axle Load	-81.23	Axle Load
119.00(L)	100.0	-89.32	N/A	10.40	Axle Load	-83.98	Axle Load

Span 3**DC
(kip)****DW
(kip)****+(LL+I)
(kip)****Controlling
Live Load****-(LL+I)
(kip)****Controlling
Live Load**

Location (ft)	Percent						
0.00(R)	0.0	89.42	N/A	83.99	Axle Load	-10.42	Axle Load
0.93(B)	0.8	87.99	N/A	78.29	Axle Load	-9.77	Axle Load
1.86(L)	1.6	86.56	N/A	77.83	Axle Load	-9.77	Axle Load
1.86(R)	1.6	86.48	N/A	77.83	Axle Load	-9.77	Axle Load
2.03(B)	1.7	86.21	N/A	77.74	Axle Load	-9.77	Axle Load
2.21(L)	1.9	85.94	N/A	77.65	Axle Load	-9.77	Axle Load
2.21(R)	1.9	85.86	N/A	77.65	Axle Load	-9.77	Axle Load
8.13(B)	6.8	76.73	N/A	74.32	Axle Load	-9.77	Axle Load
11.90(B)	10.0	70.92	N/A	71.92	Axle Load	-9.77	Axle Load
14.06(L)	11.8	67.60	N/A	70.44	Axle Load	-9.77	Axle Load
14.06(R)	11.8	67.52	N/A	70.44	Axle Load	-9.77	Axle Load
14.13(B)	11.9	67.40	N/A	70.39	Axle Load	-9.77	Axle Load
14.21(L)	11.9	67.29	N/A	70.34	Axle Load	-9.77	Axle Load
14.21(R)	11.9	67.21	N/A	70.34	Axle Load	-9.77	Axle Load
15.00(B)	12.6	65.99	N/A	69.79	Axle Load	-9.77	Axle Load
20.06(B)	16.9	58.56	N/A	66.03	Axle Load	-9.77	Axle Load
23.50(B)	19.7	53.52	N/A	63.29	Axle Load	-9.77	Axle Load
23.80(B)	20.0	53.08	N/A	63.04	Axle Load	-9.77	Axle Load
25.91(L)	21.8	49.98	N/A	61.29	Axle Load	-9.77	Axle Load
25.91(R)	21.8	49.90	N/A	61.29	Axle Load	-9.77	Axle Load
25.98(B)	21.8	49.79	N/A	61.22	Axle Load	-9.77	Axle Load
26.06(L)	21.9	49.68	N/A	61.16	Axle Load	-9.77	Axle Load
26.06(R)	21.9	49.60	N/A	61.16	Axle Load	-9.77	Axle Load
31.91(B)	26.8	41.02	N/A	56.09	Axle Load	-9.77	Axle Load
35.70(B)	30.0	35.46	N/A	52.67	Axle Load	-9.77	Axle Load
37.76(L)	31.7	32.44	N/A	50.77	Axle Load	-9.77	Axle Load
37.76(R)	31.7	32.36	N/A	50.77	Axle Load	-9.77	Axle Load
37.83(B)	31.8	32.25	N/A	50.70	Axle Load	-9.77	Axle Load
37.91(L)	31.9	32.14	N/A	50.63	Axle Load	-9.77	Axle Load
37.91(R)	31.9	32.06	N/A	50.63	Axle Load	-9.77	Axle Load
43.76(B)	36.8	23.47	N/A	45.17	Axle Load	-9.77	Axle Load
47.60(B)	40.0	17.84	N/A	41.54	Axle Load	-9.77	Axle Load
49.61(L)	41.7	14.89	N/A	39.63	Axle Load	-10.72	Axle Load
49.61(R)	41.7	14.81	N/A	39.63	Axle Load	-10.72	Axle Load
49.68(B)	41.8	14.70	N/A	39.56	Axle Load	-10.76	Axle Load
49.76(L)	41.8	14.59	N/A	39.49	Axle Load	-10.80	Axle Load
49.76(R)	41.8	14.51	N/A	39.49	Axle Load	-10.80	Axle Load
55.61(B)	46.7	5.93	N/A	33.98	Axle Load	-14.09	Axle Load
59.50(B)	50.0	0.22	N/A	30.46	Axle Load	-16.64	Axle Load
61.46(L)	51.6	-2.65	N/A	28.66	Axle Load	-17.98	Axle Load
61.46(R)	51.6	-2.73	N/A	28.66	Axle Load	-17.98	Axle Load

61.53(B)	51.7	-2.84	N/A	28.59	Axle Load	-18.04	Axle Load
61.61(L)	51.8	-2.95	N/A	28.52	Axle Load	-18.09	Axle Load
61.61(R)	51.8	-3.03	N/A	28.52	Axle Load	-18.09	Axle Load
67.46(B)	56.7	-11.62	N/A	23.49	Axle Load	-22.63	Axle Load
71.40(B)	60.0	-17.40	N/A	20.06	Axle Load	-25.81	Axle Load
73.31(L)	61.6	-20.20	N/A	18.43	Axle Load	-27.41	Axle Load
73.31(R)	61.6	-20.28	N/A	18.43	Axle Load	-27.41	Axle Load
73.38(B)	61.7	-20.39	N/A	18.37	Axle Load	-27.47	Axle Load
73.46(L)	61.7	-20.50	N/A	18.30	Axle Load	-27.54	Axle Load
73.46(R)	61.7	-20.58	N/A	18.30	Axle Load	-27.54	Axle Load
79.31(B)	66.6	-29.16	N/A	13.73	Axle Load	-33.08	Axle Load
83.30(B)	70.0	-35.01	N/A	10.65	Axle Load	-36.78	Axle Load
85.16(L)	71.6	-37.74	N/A	9.28	Axle Load	-38.53	Axle Load
85.16(R)	71.6	-37.82	N/A	9.28	Axle Load	-38.53	Axle Load
85.23(B)	71.6	-37.93	N/A	9.23	Axle Load	-38.60	Axle Load
85.31(L)	71.7	-38.04	N/A	9.17	Axle Load	-38.67	Axle Load
85.31(R)	71.7	-38.12	N/A	9.17	Axle Load	-38.67	Axle Load
91.16(B)	76.6	-46.70	N/A	5.22	Axle Load	-44.85	Axle Load
95.20(B)	80.0	-52.63	N/A	2.67	Axle Load	-48.83	Axle Load
95.50(B)	80.3	-53.07	N/A	2.49	Axle Load	-49.13	Axle Load
97.01(L)	81.5	-55.29	N/A	1.60	Axle Load	-50.61	Axle Load
97.01(R)	81.5	-55.37	N/A	1.60	Axle Load	-50.61	Axle Load
97.08(B)	81.6	-55.48	N/A	1.55	Axle Load	-50.68	Axle Load
97.16(L)	81.6	-55.59	N/A	1.51	Axle Load	-50.75	Axle Load
97.16(R)	81.6	-55.67	N/A	1.51	Axle Load	-50.75	Axle Load
103.01(B)	86.6	-64.25	N/A	0.00	Axle Load	-57.21	Axle Load
106.00(B)	89.1	-68.64	N/A	0.00	Axle Load	-60.14	Axle Load
107.10(B)	90.0	-70.33	N/A	0.00	Axle Load	-61.22	Axle Load
108.86(L)	91.5	-73.04	N/A	0.00	Axle Load	-62.91	Axle Load
108.86(R)	91.5	-73.12	N/A	0.00	Axle Load	-62.91	Axle Load
108.93(B)	91.5	-73.24	N/A	0.00	Axle Load	-62.98	Axle Load
109.01(L)	91.6	-73.35	N/A	0.00	Axle Load	-63.05	Axle Load
109.01(R)	91.6	-73.43	N/A	0.00	Axle Load	-63.05	Axle Load
114.00(B)	95.8	-81.13	N/A	0.00	Axle Load	-68.63	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-73.24	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	90.65	N/A	77.07	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	71.58	Axle Load	0.00	Axle Load
1.86(L)	2.0	87.79	N/A	70.89	Axle Load	0.00	Axle Load

1.86(R)	2.0	87.71	N/A	70.89	Axle Load	0.00	Axle Load
2.03(B)	2.1	87.44	N/A	70.76	Axle Load	0.00	Axle Load
2.21(L)	2.3	87.17	N/A	70.63	Axle Load	0.00	Axle Load
2.21(R)	2.3	87.09	N/A	70.63	Axle Load	0.00	Axle Load
8.58(B)	9.0	77.26	N/A	65.63	Axle Load	0.00	Axle Load
9.52(B)	10.0	75.81	N/A	64.85	Axle Load	0.00	Axle Load
13.00(B)	13.6	70.46	N/A	61.93	Axle Load	0.00	Axle Load
14.96(L)	15.7	67.58	N/A	60.23	Axle Load	0.00	Axle Load
14.96(R)	15.7	67.50	N/A	60.23	Axle Load	0.00	Axle Load
15.25(B)	16.0	67.08	N/A	59.97	Axle Load	0.00	Axle Load
15.54(L)	16.3	66.65	N/A	59.71	Axle Load	0.00	Axle Load
15.54(R)	16.3	66.57	N/A	59.71	Axle Load	0.00	Axle Load
19.05(B)	20.0	61.42	N/A	56.55	Axle Load	-0.16	Axle Load
21.62(B)	22.7	57.65	N/A	54.15	Axle Load	-1.21	Axle Load
23.50(B)	24.7	54.89	N/A	52.36	Axle Load	-2.02	Axle Load
27.71(L)	29.1	48.72	N/A	48.25	Axle Load	-3.99	Axle Load
27.71(R)	29.1	48.64	N/A	48.25	Axle Load	-3.99	Axle Load
28.00(B)	29.4	48.21	N/A	47.96	Axle Load	-4.14	Axle Load
28.29(L)	29.7	47.79	N/A	47.67	Axle Load	-4.28	Axle Load
28.29(R)	29.7	47.71	N/A	47.67	Axle Load	-4.28	Axle Load
28.58(B)	30.0	47.29	N/A	47.38	Axle Load	-4.42	Axle Load
34.37(B)	36.1	38.78	N/A	41.48	Axle Load	-7.55	Axle Load
38.10(B)	40.0	33.32	N/A	37.56	Axle Load	-9.76	Axle Load
40.46(L)	42.5	29.85	N/A	35.03	Axle Load	-11.25	Axle Load
40.46(R)	42.5	29.77	N/A	35.03	Axle Load	-11.25	Axle Load
40.75(B)	42.8	29.35	N/A	34.71	Axle Load	-11.44	Axle Load
41.04(L)	43.1	28.92	N/A	34.40	Axle Load	-11.62	Axle Load
41.04(R)	43.1	28.84	N/A	34.40	Axle Load	-11.62	Axle Load
47.12(B)	49.5	19.92	N/A	28.79	Axle Load	-15.80	Axle Load
47.63(B)	50.0	19.18	N/A	28.41	Axle Load	-16.21	Axle Load
53.21(L)	55.9	10.99	N/A	23.34	Axle Load	-20.63	Axle Load
53.21(R)	55.9	10.91	N/A	23.34	Axle Load	-20.63	Axle Load
53.50(B)	56.2	10.48	N/A	23.06	Axle Load	-20.86	Axle Load
53.79(L)	56.5	10.06	N/A	22.78	Axle Load	-21.09	Axle Load
53.79(R)	56.5	9.98	N/A	22.78	Axle Load	-21.09	Axle Load
57.15(B)	60.0	5.05	N/A	19.66	Axle Load	-23.84	Axle Load
59.87(B)	62.9	1.05	N/A	17.48	Axle Load	-26.17	Axle Load
65.96(L)	69.2	-7.88	N/A	13.73	Axle Load	-32.01	Axle Load
65.96(R)	69.2	-7.96	N/A	13.73	Axle Load	-32.01	Axle Load
66.25(B)	69.6	-8.38	N/A	13.54	Axle Load	-32.28	Axle Load
66.54(L)	69.9	-8.81	N/A	13.35	Axle Load	-32.55	Axle Load
66.54(R)	69.9	-8.89	N/A	13.35	Axle Load	-32.55	Axle Load
66.68(B)	70.0	-9.09	N/A	13.26	Axle Load	-32.67	Axle Load

72.62(B)	76.2	-17.81	N/A	9.49	Axle Load	-38.90	Axle Load
76.20(B)	80.0	-23.06	N/A	7.33	Axle Load	-42.54	Axle Load
78.71(L)	82.6	-26.74	N/A	7.14	Axle Load	-45.17	Axle Load
78.71(R)	82.6	-26.82	N/A	7.14	Axle Load	-45.17	Axle Load
79.00(B)	82.9	-27.25	N/A	7.14	Axle Load	-45.48	Axle Load
79.29(L)	83.2	-27.67	N/A	7.14	Axle Load	-45.78	Axle Load
79.29(R)	83.2	-27.75	N/A	7.14	Axle Load	-45.78	Axle Load
85.37(B)	89.6	-36.68	N/A	7.23	Axle Load	-52.99	Axle Load
85.72(B)	90.0	-37.19	N/A	7.23	Axle Load	-53.38	Axle Load
91.46(L)	96.0	-45.61	N/A	7.32	Axle Load	-60.57	Axle Load
91.46(R)	96.0	-45.69	N/A	7.32	Axle Load	-60.57	Axle Load
91.75(B)	96.3	-46.11	N/A	7.32	Axle Load	-60.91	Axle Load
92.04(L)	96.6	-46.54	N/A	7.32	Axle Load	-61.24	Axle Load
92.04(R)	96.6	-46.62	N/A	7.32	Axle Load	-61.24	Axle Load
93.64(B)	98.3	-48.97	N/A	7.32	Axle Load	-63.12	Axle Load
95.25(L)	100.0	-51.33	N/A	7.32	Axle Load	-65.01	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:

(B) Both

(L) Left

(R) Right

Reactions
Live Load: Type 3S2
Impact = 33.000 %

Support	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
1	51.28	N/A	60.19	Axle Load	-6.61	Axle Load
2	179.47	N/A	82.08	Axle Load	0.00	Axle Load
3	178.74	N/A	82.52	Axle Load	-10.04	Axle Load
4	179.48	N/A	82.40	Axle Load	0.00	Axle Load
5	51.33	N/A	63.94	Axle Load	-7.02	Axle Load

Note:

Impact and distribution factors included in above live load reactions.

Moment Summary
Live Load: Type 3S2
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load
3.32(B)	3.5	162.16	N/A	138.46	Axle Load	-16.12	Axle Load
6.64(L)	7.0	308.14	N/A	260.54	Axle Load	-32.24	Axle Load
6.64(R)	7.0	308.14	N/A	260.54	Axle Load	-32.24	Axle Load
9.52(B)	10.0	421.44	N/A	353.65	Axle Load	-46.25	Axle Load
13.11(B)	13.8	545.33	N/A	452.93	Axle Load	-63.67	Axle Load
19.05(B)	20.0	708.73	N/A	586.19	Axle Load	-92.49	Axle Load
19.59(L)	20.6	721.01	N/A	597.68	Axle Load	-95.11	Axle Load
19.59(R)	20.6	721.01	N/A	597.68	Axle Load	-95.11	Axle Load
26.06(B)	27.4	834.15	N/A	705.53	Axle Load	-126.55	Axle Load
28.58(B)	30.0	861.47	N/A	732.78	Axle Load	-138.74	Axle Load
32.54(L)	34.2	885.78	N/A	764.76	Axle Load	-157.99	Axle Load
32.54(R)	34.2	885.78	N/A	764.76	Axle Load	-157.99	Axle Load
38.10(B)	40.0	880.13	N/A	783.59	Axle Load	-184.99	Axle Load
39.01(B)	41.0	874.86	N/A	783.21	Axle Load	-189.43	Axle Load
45.49(L)	47.8	802.44	N/A	762.50	Axle Load	-220.86	Axle Load
45.49(R)	47.8	802.44	N/A	762.50	Axle Load	-220.86	Axle Load
47.63(B)	50.0	764.72	N/A	756.89	Axle Load	-231.23	Axle Load
51.96(B)	54.6	667.47	N/A	729.67	Axle Load	-252.30	Axle Load
57.15(B)	60.0	515.02	N/A	672.11	Axle Load	-277.48	Axle Load
58.44(L)	61.4	470.99	N/A	653.69	Axle Load	-283.74	Axle Load
58.44(R)	61.4	470.99	N/A	653.69	Axle Load	-283.74	Axle Load
64.91(B)	68.2	211.97	N/A	542.98	Axle Load	-315.18	Axle Load
66.68(B)	70.0	130.91	N/A	507.69	Axle Load	-323.73	Axle Load
71.39(L)	74.9	-108.56	N/A	388.86	Axle Load	-336.09	Axle Load
71.39(R)	74.9	-108.56	N/A	388.86	Axle Load	-336.09	Axle Load
71.75(B)	75.3	-128.27	N/A	380.48	Axle Load	-337.78	Axle Load
76.20(B)	80.0	-387.28	N/A	269.45	Axle Load	-358.73	Axle Load
77.86(B)	81.7	-491.63	N/A	225.31	Axle Load	-366.57	Axle Load
82.25(B)	86.4	-786.02	N/A	103.61	Axle Load	-387.22	Axle Load
84.34(L)	88.5	-936.37	N/A	43.22	Axle Load	-397.05	Axle Load
84.34(R)	88.5	-936.37	N/A	43.22	Axle Load	-397.05	Axle Load
85.72(B)	90.0	-1040.00	N/A	2.56	Axle Load	-403.58	Axle Load
89.79(B)	94.3	-1361.49	N/A	0.00	Axle Load	-422.73	Axle Load
95.25(L)	100.0	-1832.48	N/A	0.00	Axle Load	-519.15	Axle Load

Span 2

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.48	N/A	0.00	Axle Load	-519.15	Axle Load
1.02(B)	0.9	-1742.59	N/A	0.00	Axle Load	-512.32	Axle Load
2.04(L)	1.7	-1654.31	N/A	0.00	Axle Load	-505.49	Axle Load
2.04(R)	1.7	-1654.31	N/A	0.00	Axle Load	-505.49	Axle Load
2.12(B)	1.8	-1647.03	N/A	0.00	Axle Load	-504.92	Axle Load
2.21(L)	1.9	-1639.76	N/A	0.00	Axle Load	-504.35	Axle Load
2.21(R)	1.9	-1639.76	N/A	0.00	Axle Load	-504.35	Axle Load
8.13(B)	6.8	-1160.99	N/A	0.00	Axle Load	-464.66	Axle Load
11.90(B)	10.0	-884.84	N/A	95.07	Axle Load	-439.44	Axle Load
13.00(B)	10.9	-808.29	N/A	124.94	Axle Load	-432.07	Axle Load
14.06(L)	11.8	-736.29	N/A	153.00	Axle Load	-424.97	Axle Load
14.06(R)	11.8	-736.29	N/A	153.00	Axle Load	-424.97	Axle Load
14.13(B)	11.9	-731.26	N/A	154.98	Axle Load	-424.47	Axle Load
14.21(L)	11.9	-726.24	N/A	156.95	Axle Load	-423.97	Axle Load
14.21(R)	11.9	-726.24	N/A	156.95	Axle Load	-423.97	Axle Load
20.06(B)	16.9	-360.52	N/A	298.05	Axle Load	-384.78	Axle Load
23.50(B)	19.7	-168.88	N/A	371.19	Axle Load	-361.73	Axle Load
23.80(B)	20.0	-152.99	N/A	377.15	Axle Load	-359.72	Axle Load
25.91(L)	21.8	-45.01	N/A	405.92	Axle Load	-336.22	Axle Load
25.91(R)	21.8	-45.01	N/A	405.92	Axle Load	-336.22	Axle Load
25.98(B)	21.8	-41.30	N/A	407.25	Axle Load	-335.73	Axle Load
26.06(L)	21.9	-37.59	N/A	408.58	Axle Load	-335.24	Axle Load
26.06(R)	21.9	-37.59	N/A	408.58	Axle Load	-335.24	Axle Load
31.91(B)	26.8	225.48	N/A	498.89	Axle Load	-297.12	Axle Load
35.70(B)	30.0	369.14	N/A	544.33	Axle Load	-272.41	Axle Load
37.76(L)	31.7	438.35	N/A	564.89	Axle Load	-258.99	Axle Load
37.76(R)	31.7	438.35	N/A	564.89	Axle Load	-258.99	Axle Load
37.83(B)	31.8	440.75	N/A	565.57	Axle Load	-258.50	Axle Load
37.91(L)	31.9	443.14	N/A	566.24	Axle Load	-258.01	Axle Load
37.91(R)	31.9	443.14	N/A	566.24	Axle Load	-258.01	Axle Load
43.76(B)	36.8	603.58	N/A	604.57	Axle Load	-219.89	Axle Load
47.60(B)	40.0	681.61	N/A	613.40	Axle Load	-194.86	Axle Load
49.61(L)	41.7	713.81	N/A	613.93	Axle Load	-181.76	Axle Load
49.61(R)	41.7	713.81	N/A	613.93	Axle Load	-181.76	Axle Load
49.68(B)	41.8	714.90	N/A	613.88	Axle Load	-181.27	Axle Load
49.76(L)	41.8	715.97	N/A	613.83	Axle Load	-180.78	Axle Load
49.76(R)	41.8	715.97	N/A	613.83	Axle Load	-180.78	Axle Load
55.61(B)	46.7	773.77	N/A	607.92	Axle Load	-142.66	Axle Load
59.50(B)	50.0	784.42	N/A	592.06	Axle Load	-117.30	Axle Load
61.46(L)	51.6	781.37	N/A	579.68	Axle Load	-104.53	Axle Load

61.46(R)	51.6	781.37	N/A	579.68	Axle Load	-104.53	Axle Load
61.53(B)	51.7	781.13	N/A	579.12	Axle Load	-104.04	Axle Load
61.61(L)	51.8	780.89	N/A	578.56	Axle Load	-103.55	Axle Load
61.61(R)	51.8	780.89	N/A	578.56	Axle Load	-103.55	Axle Load
67.46(B)	56.7	736.06	N/A	522.07	Axle Load	-65.43	Axle Load
71.40(B)	60.0	677.56	N/A	470.76	Axle Load	-39.75	Axle Load
73.31(L)	61.6	641.02	N/A	442.52	Axle Load	-27.30	Axle Load
73.31(R)	61.6	641.02	N/A	442.52	Axle Load	-27.30	Axle Load
73.38(B)	61.7	639.47	N/A	441.34	Axle Load	-26.81	Axle Load
73.46(L)	61.7	637.91	N/A	440.15	Axle Load	-26.33	Axle Load
73.46(R)	61.7	637.91	N/A	440.15	Axle Load	-26.33	Axle Load
79.31(B)	66.6	490.44	N/A	338.73	Axle Load	-0.29	Axle Load
83.30(B)	70.0	361.03	N/A	261.44	Axle Load	-30.96	Axle Load
85.16(L)	71.6	292.76	N/A	226.06	Axle Load	-55.63	Axle Load
85.16(R)	71.6	292.76	N/A	226.06	Axle Load	-55.63	Axle Load
85.23(B)	71.6	289.89	N/A	224.89	Axle Load	-56.72	Axle Load
85.31(L)	71.7	287.02	N/A	223.72	Axle Load	-57.80	Axle Load
85.31(R)	71.7	287.02	N/A	223.72	Axle Load	-57.80	Axle Load
91.16(B)	76.6	36.91	N/A	144.25	Axle Load	-169.94	Axle Load
95.20(B)	80.0	-165.15	N/A	115.36	Axle Load	-270.83	Axle Load
95.50(B)	80.3	-181.11	N/A	117.32	Axle Load	-278.91	Axle Load
97.01(L)	81.5	-263.41	N/A	127.16	Axle Load	-320.53	Axle Load
97.01(R)	81.5	-263.41	N/A	127.16	Axle Load	-320.53	Axle Load
97.08(B)	81.6	-267.59	N/A	127.64	Axle Load	-322.62	Axle Load
97.16(L)	81.6	-271.78	N/A	128.13	Axle Load	-324.71	Axle Load
97.16(R)	81.6	-271.78	N/A	128.13	Axle Load	-324.71	Axle Load
103.01(B)	86.6	-624.52	N/A	166.26	Axle Load	-503.15	Axle Load
104.00(B)	87.4	-689.23	N/A	172.71	Axle Load	-536.23	Axle Load
107.10(B)	90.0	-901.36	N/A	192.92	Axle Load	-641.85	Axle Load
108.86(L)	91.5	-1028.35	N/A	204.38	Axle Load	-702.89	Axle Load
108.86(R)	91.5	-1028.35	N/A	204.38	Axle Load	-702.89	Axle Load
108.93(B)	91.5	-1033.88	N/A	204.87	Axle Load	-705.58	Axle Load
109.01(L)	91.6	-1039.41	N/A	205.36	Axle Load	-708.28	Axle Load
109.01(R)	91.6	-1039.41	N/A	205.36	Axle Load	-708.28	Axle Load
114.00(B)	95.8	-1427.90	N/A	237.92	Axle Load	-892.70	Axle Load
119.00(L)	100.0	-1854.85	N/A	270.47	Axle Load	-1087.28	Axle Load

Span 3

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1854.80	N/A	270.63	Axle Load	-1086.92	Axle Load
0.93(B)	0.8	-1772.33	N/A	264.57	Axle Load	-1050.02	Axle Load

1.86(L)	1.6	-1691.19	N/A	258.51	Axle Load	-1013.56	Axle Load
1.86(R)	1.6	-1691.19	N/A	258.51	Axle Load	-1013.56	Axle Load
2.03(B)	1.7	-1676.08	N/A	257.37	Axle Load	-1006.70	Axle Load
2.21(L)	1.9	-1661.02	N/A	256.23	Axle Load	-999.84	Axle Load
2.21(R)	1.9	-1661.02	N/A	256.23	Axle Load	-999.84	Axle Load
8.13(B)	6.8	-1179.36	N/A	217.59	Axle Load	-775.88	Axle Load
11.90(B)	10.0	-901.36	N/A	193.03	Axle Load	-641.49	Axle Load
14.06(L)	11.8	-751.80	N/A	178.95	Axle Load	-567.40	Axle Load
14.06(R)	11.8	-751.80	N/A	178.95	Axle Load	-567.40	Axle Load
14.13(B)	11.9	-746.74	N/A	178.46	Axle Load	-564.88	Axle Load
14.21(L)	11.9	-741.69	N/A	177.97	Axle Load	-562.36	Axle Load
14.21(R)	11.9	-741.69	N/A	177.97	Axle Load	-562.36	Axle Load
15.00(B)	12.6	-689.04	N/A	172.82	Axle Load	-535.93	Axle Load
20.06(B)	16.9	-373.96	N/A	139.82	Axle Load	-375.98	Axle Load
23.50(B)	19.7	-181.15	N/A	117.39	Axle Load	-278.70	Axle Load
23.80(B)	20.0	-165.16	N/A	115.43	Axle Load	-270.64	Axle Load
25.91(L)	21.8	-56.46	N/A	120.75	Axle Load	-216.04	Axle Load
25.91(R)	21.8	-56.46	N/A	120.75	Axle Load	-216.04	Axle Load
25.98(B)	21.8	-52.72	N/A	121.63	Axle Load	-214.17	Axle Load
26.06(L)	21.9	-48.99	N/A	122.50	Axle Load	-212.29	Axle Load
26.06(R)	21.9	-48.99	N/A	122.50	Axle Load	-212.29	Axle Load
31.91(B)	26.8	216.08	N/A	197.18	Axle Load	-87.34	Axle Load
35.70(B)	30.0	361.02	N/A	260.68	Axle Load	-30.87	Axle Load
37.76(L)	31.7	430.94	N/A	301.94	Axle Load	-10.81	Axle Load
37.76(R)	31.7	430.94	N/A	301.94	Axle Load	-10.81	Axle Load
37.83(B)	31.8	433.36	N/A	303.40	Axle Load	-10.21	Axle Load
37.91(L)	31.9	435.77	N/A	304.86	Axle Load	-9.67	Axle Load
37.91(R)	31.9	435.77	N/A	304.86	Axle Load	-9.67	Axle Load
43.76(B)	36.8	598.20	N/A	411.54	Axle Load	-14.73	Axle Load
47.60(B)	40.0	677.54	N/A	470.24	Axle Load	-39.77	Axle Load
49.61(L)	41.7	710.43	N/A	498.18	Axle Load	-52.87	Axle Load
49.61(R)	41.7	710.43	N/A	498.18	Axle Load	-52.87	Axle Load
49.68(B)	41.8	711.53	N/A	499.16	Axle Load	-53.36	Axle Load
49.76(L)	41.8	712.63	N/A	500.14	Axle Load	-53.85	Axle Load
49.76(R)	41.8	712.63	N/A	500.14	Axle Load	-53.85	Axle Load
55.61(B)	46.7	772.43	N/A	564.38	Axle Load	-92.00	Axle Load
59.50(B)	50.0	784.39	N/A	591.68	Axle Load	-117.37	Axle Load
61.46(L)	51.6	782.01	N/A	601.56	Axle Load	-130.15	Axle Load
61.46(R)	51.6	782.01	N/A	601.56	Axle Load	-130.15	Axle Load
61.53(B)	51.7	781.80	N/A	601.87	Axle Load	-130.64	Axle Load
61.61(L)	51.8	781.59	N/A	602.18	Axle Load	-131.13	Axle Load
61.61(R)	51.8	781.59	N/A	602.18	Axle Load	-131.13	Axle Load
67.46(B)	56.7	738.74	N/A	611.83	Axle Load	-169.28	Axle Load

71.40(B)	60.0	681.58	N/A	613.74	Axle Load	-194.97	Axle Load
73.31(L)	61.6	645.69	N/A	610.76	Axle Load	-207.42	Axle Load
73.31(R)	61.6	645.69	N/A	610.76	Axle Load	-207.42	Axle Load
73.38(B)	61.7	644.17	N/A	610.56	Axle Load	-207.91	Axle Load
73.46(L)	61.7	642.63	N/A	610.36	Axle Load	-208.40	Axle Load
73.46(R)	61.7	642.63	N/A	610.36	Axle Load	-208.40	Axle Load
79.31(B)	66.6	497.15	N/A	580.76	Axle Load	-246.55	Axle Load
83.30(B)	70.0	369.10	N/A	544.75	Axle Load	-272.57	Axle Load
85.16(L)	71.6	301.46	N/A	523.76	Axle Load	-284.70	Axle Load
85.16(R)	71.6	301.46	N/A	523.76	Axle Load	-284.70	Axle Load
85.23(B)	71.6	298.62	N/A	522.84	Axle Load	-285.19	Axle Load
85.31(L)	71.7	295.77	N/A	521.91	Axle Load	-285.68	Axle Load
85.31(R)	71.7	295.77	N/A	521.91	Axle Load	-285.68	Axle Load
91.16(B)	76.6	47.65	N/A	438.49	Axle Load	-323.83	Axle Load
95.20(B)	80.0	-153.04	N/A	376.93	Axle Load	-359.93	Axle Load
95.50(B)	80.3	-168.89	N/A	371.04	Axle Load	-361.95	Axle Load
97.01(L)	81.5	-250.67	N/A	340.04	Axle Load	-372.06	Axle Load
97.01(R)	81.5	-250.67	N/A	340.04	Axle Load	-372.06	Axle Load
97.08(B)	81.6	-254.83	N/A	338.43	Axle Load	-372.57	Axle Load
97.16(L)	81.6	-258.99	N/A	336.83	Axle Load	-373.07	Axle Load
97.16(R)	81.6	-258.99	N/A	336.83	Axle Load	-373.07	Axle Load
103.01(B)	86.6	-609.75	N/A	202.12	Axle Load	-412.28	Axle Load
106.00(B)	89.1	-808.45	N/A	124.99	Axle Load	-432.33	Axle Load
107.10(B)	90.0	-884.89	N/A	94.94	Axle Load	-439.70	Axle Load
108.86(L)	91.5	-1011.02	N/A	45.73	Axle Load	-451.49	Axle Load
108.86(R)	91.5	-1011.02	N/A	45.73	Axle Load	-451.49	Axle Load
108.93(B)	91.5	-1016.50	N/A	43.57	Axle Load	-451.99	Axle Load
109.01(L)	91.6	-1022.00	N/A	41.42	Axle Load	-452.50	Axle Load
109.01(R)	91.6	-1022.00	N/A	41.42	Axle Load	-452.50	Axle Load
114.00(B)	95.8	-1408.06	N/A	0.00	Axle Load	-485.98	Axle Load
119.00(L)	100.0	-1832.57	N/A	0.00	Axle Load	-519.46	Axle Load

Span 4

Location (ft)	Percent	DC (kip-ft)	DW (kip-ft)	+(LL+I) (kip-ft)	Controlling Live Load	-(LL+I) (kip-ft)	Controlling Live Load
0.00(R)	0.0	-1832.57	N/A	0.00	Axle Load	-519.46	Axle Load
0.93(B)	1.0	-1748.95	N/A	0.00	Axle Load	-485.48	Axle Load
1.86(L)	2.0	-1666.67	N/A	0.00	Axle Load	-452.74	Axle Load
1.86(R)	2.0	-1666.67	N/A	0.00	Axle Load	-452.74	Axle Load
2.03(B)	2.1	-1651.34	N/A	0.00	Axle Load	-446.60	Axle Load
2.21(L)	2.3	-1636.07	N/A	0.00	Axle Load	-440.46	Axle Load
2.21(R)	2.3	-1636.07	N/A	0.00	Axle Load	-440.46	Axle Load

8.58(B)	9.0	-1112.19	N/A	0.00	Axle Load	-407.53	Axle Load
9.52(B)	10.0	-1040.20	N/A	2.21	Axle Load	-403.10	Axle Load
13.00(B)	13.6	-786.05	N/A	103.61	Axle Load	-386.76	Axle Load
14.96(L)	15.7	-650.81	N/A	159.04	Axle Load	-377.55	Axle Load
14.96(R)	15.7	-650.81	N/A	159.04	Axle Load	-377.55	Axle Load
15.25(B)	16.0	-631.30	N/A	167.19	Axle Load	-376.19	Axle Load
15.54(L)	16.3	-611.91	N/A	175.34	Axle Load	-374.82	Axle Load
15.54(R)	16.3	-611.91	N/A	175.34	Axle Load	-374.82	Axle Load
19.05(B)	20.0	-387.24	N/A	269.74	Axle Load	-358.32	Axle Load
21.62(B)	22.7	-233.97	N/A	335.07	Axle Load	-346.21	Axle Load
23.50(B)	24.7	-128.43	N/A	380.20	Axle Load	-337.39	Axle Load
27.71(L)	29.1	89.65	N/A	489.01	Axle Load	-327.55	Axle Load
27.71(R)	29.1	89.65	N/A	489.01	Axle Load	-327.55	Axle Load
28.00(B)	29.4	103.69	N/A	495.24	Axle Load	-326.14	Axle Load
28.29(L)	29.7	117.61	N/A	501.39	Axle Load	-324.73	Axle Load
28.29(R)	29.7	117.61	N/A	501.39	Axle Load	-324.73	Axle Load
28.58(B)	30.0	131.18	N/A	507.36	Axle Load	-323.35	Axle Load
34.37(B)	36.1	380.76	N/A	614.54	Axle Load	-295.22	Axle Load
38.10(B)	40.0	515.06	N/A	671.63	Axle Load	-277.16	Axle Load
40.46(L)	42.5	589.58	N/A	701.52	Axle Load	-265.71	Axle Load
40.46(R)	42.5	589.58	N/A	701.52	Axle Load	-265.71	Axle Load
40.75(B)	42.8	598.15	N/A	704.80	Axle Load	-264.31	Axle Load
41.04(L)	43.1	606.60	N/A	708.00	Axle Load	-262.90	Axle Load
41.04(R)	43.1	606.60	N/A	708.00	Axle Load	-262.90	Axle Load
47.12(B)	49.5	754.95	N/A	755.01	Axle Load	-233.39	Axle Load
47.63(B)	50.0	764.73	N/A	757.08	Axle Load	-230.96	Axle Load
53.21(L)	55.9	848.97	N/A	775.65	Axle Load	-203.88	Axle Load
53.21(R)	55.9	848.97	N/A	775.65	Axle Load	-203.88	Axle Load
53.50(B)	56.2	852.08	N/A	776.76	Axle Load	-202.48	Axle Load
53.79(L)	56.5	855.05	N/A	777.78	Axle Load	-201.07	Axle Load
53.79(R)	56.5	855.05	N/A	777.78	Axle Load	-201.07	Axle Load
57.15(B)	60.0	880.30	N/A	783.47	Axle Load	-184.77	Axle Load
59.87(B)	62.9	888.61	N/A	778.70	Axle Load	-171.56	Axle Load
65.96(L)	69.2	867.84	N/A	739.13	Axle Load	-142.05	Axle Load
65.96(R)	69.2	867.84	N/A	739.13	Axle Load	-142.05	Axle Load
66.25(B)	69.6	865.47	N/A	736.64	Axle Load	-140.64	Axle Load
66.54(L)	69.9	862.98	N/A	734.04	Axle Load	-139.24	Axle Load
66.54(R)	69.9	862.98	N/A	734.04	Axle Load	-139.24	Axle Load
66.68(B)	70.0	861.76	N/A	732.79	Axle Load	-138.58	Axle Load
72.62(B)	76.2	781.74	N/A	655.25	Axle Load	-109.73	Axle Load
76.20(B)	80.0	708.66	N/A	586.21	Axle Load	-92.39	Axle Load
78.71(L)	82.6	646.17	N/A	530.96	Axle Load	-80.22	Axle Load
78.71(R)	82.6	646.17	N/A	530.96	Axle Load	-80.22	Axle Load

79.00(B)	82.9	638.33	N/A	524.96	Axle Load	-78.81	Axle Load
79.29(L)	83.2	630.37	N/A	518.85	Axle Load	-77.40	Axle Load
79.29(R)	83.2	630.37	N/A	518.85	Axle Load	-77.40	Axle Load
85.37(B)	89.6	434.33	N/A	364.14	Axle Load	-47.89	Axle Load
85.72(B)	90.0	421.39	N/A	353.64	Axle Load	-46.19	Axle Load
91.46(L)	96.0	183.98	N/A	156.77	Axle Load	-18.38	Axle Load
91.46(R)	96.0	183.98	N/A	156.77	Axle Load	-18.38	Axle Load
91.75(B)	96.3	170.67	N/A	145.54	Axle Load	-16.98	Axle Load
92.04(L)	96.6	157.23	N/A	134.17	Axle Load	-15.57	Axle Load
92.04(R)	96.6	157.23	N/A	134.17	Axle Load	-15.57	Axle Load
93.64(B)	98.3	80.51	N/A	69.02	Axle Load	-7.79	Axle Load
95.25(L)	100.0	0.00	N/A	0.00	Axle Load	0.00	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load moments.

Sides:

(B) Both

(L) Left

(R) Right

Shear Summary
Live Load: Type 3S2
Impact = ** %

Span 1

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	51.28	N/A	60.19	Axle Load	-6.61	Axle Load
3.32(B)	3.5	46.41	N/A	56.80	Axle Load	-6.61	Axle Load
6.64(L)	7.0	41.54	N/A	53.44	Axle Load	-6.61	Axle Load
6.64(R)	7.0	41.38	N/A	53.44	Axle Load	-6.61	Axle Load
9.52(B)	10.0	37.15	N/A	50.56	Axle Load	-6.61	Axle Load
13.11(B)	13.8	31.88	N/A	47.03	Axle Load	-6.61	Axle Load
19.05(B)	20.0	23.17	N/A	41.34	Axle Load	-7.82	Axle Load
19.59(L)	20.6	22.38	N/A	40.83	Axle Load	-8.07	Axle Load
19.59(R)	20.6	22.22	N/A	40.83	Axle Load	-8.07	Axle Load
26.06(B)	27.4	12.72	N/A	34.88	Axle Load	-10.98	Axle Load
28.58(B)	30.0	9.04	N/A	32.65	Axle Load	-12.66	Axle Load
32.54(L)	34.2	3.22	N/A	29.24	Axle Load	-15.89	Axle Load
32.54(R)	34.2	3.06	N/A	29.24	Axle Load	-15.89	Axle Load

38.10(B)	40.0	-5.09	N/A	24.66	Axle Load	-20.80	Axle Load
39.01(B)	41.0	-6.44	N/A	23.93	Axle Load	-21.60	Axle Load
45.49(L)	47.8	-15.93	N/A	18.99	Axle Load	-27.85	Axle Load
45.49(R)	47.8	-16.09	N/A	18.99	Axle Load	-27.85	Axle Load
47.63(B)	50.0	-19.23	N/A	17.50	Axle Load	-30.06	Axle Load
51.96(B)	54.6	-25.59	N/A	14.51	Axle Load	-34.32	Axle Load
57.15(B)	60.0	-33.20	N/A	11.31	Axle Load	-39.64	Axle Load
58.44(L)	61.4	-35.09	N/A	10.52	Axle Load	-40.86	Axle Load
58.44(R)	61.4	-35.25	N/A	10.52	Axle Load	-40.86	Axle Load
64.91(B)	68.2	-44.75	N/A	6.89	Axle Load	-47.38	Axle Load
66.68(B)	70.0	-47.34	N/A	5.95	Axle Load	-48.96	Axle Load
71.39(L)	74.9	-54.25	N/A	3.61	Axle Load	-53.09	Axle Load
71.39(R)	74.9	-54.41	N/A	3.61	Axle Load	-53.09	Axle Load
71.75(B)	75.3	-54.94	N/A	3.48	Axle Load	-54.05	Axle Load
76.20(B)	80.0	-61.47	N/A	1.49	Axle Load	-57.80	Axle Load
77.86(B)	81.7	-63.91	N/A	0.79	Axle Load	-59.15	Axle Load
82.25(B)	86.4	-70.35	N/A	0.00	Axle Load	-63.33	Axle Load
84.34(L)	88.5	-73.57	N/A	0.00	Axle Load	-64.92	Axle Load
84.34(R)	88.5	-73.73	N/A	0.00	Axle Load	-64.92	Axle Load
85.72(B)	90.0	-75.86	N/A	0.00	Axle Load	-65.94	Axle Load
89.79(B)	94.3	-82.13	N/A	0.00	Axle Load	-68.85	Axle Load
95.25(L)	100.0	-90.54	N/A	0.00	Axle Load	-73.33	Axle Load

Span 2

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	88.94	N/A	70.42	Axle Load	0.00	Axle Load
1.02(B)	0.9	87.36	N/A	65.53	Axle Load	0.00	Axle Load
2.04(L)	1.7	85.79	N/A	64.77	Axle Load	0.00	Axle Load
2.04(R)	1.7	85.71	N/A	64.77	Axle Load	0.00	Axle Load
2.12(B)	1.8	85.58	N/A	64.70	Axle Load	0.00	Axle Load
2.21(L)	1.9	85.45	N/A	64.64	Axle Load	0.00	Axle Load
2.21(R)	1.9	85.37	N/A	64.64	Axle Load	0.00	Axle Load
8.13(B)	6.8	76.24	N/A	60.03	Axle Load	0.00	Axle Load
11.90(B)	10.0	70.44	N/A	56.96	Axle Load	0.00	Axle Load
13.00(B)	10.9	68.74	N/A	56.05	Axle Load	0.00	Axle Load
14.06(L)	11.8	67.19	N/A	55.16	Axle Load	0.00	Axle Load
14.06(R)	11.8	67.11	N/A	55.16	Axle Load	0.00	Axle Load
14.13(B)	11.9	67.00	N/A	55.10	Axle Load	0.00	Axle Load
14.21(L)	11.9	66.89	N/A	55.04	Axle Load	0.00	Axle Load
14.21(R)	11.9	66.81	N/A	55.04	Axle Load	0.00	Axle Load
20.06(B)	16.9	58.22	N/A	50.06	Axle Load	-2.28	Axle Load

23.50(B)	19.7	53.18	N/A	47.07	Axle Load	-4.24	Axle Load
23.80(B)	20.0	52.74	N/A	46.81	Axle Load	-4.41	Axle Load
25.91(L)	21.8	49.64	N/A	44.96	Axle Load	-5.69	Axle Load
25.91(R)	21.8	49.56	N/A	44.96	Axle Load	-5.69	Axle Load
25.98(B)	21.8	49.45	N/A	44.89	Axle Load	-5.73	Axle Load
26.06(L)	21.9	49.34	N/A	44.82	Axle Load	-5.78	Axle Load
26.06(R)	21.9	49.26	N/A	44.82	Axle Load	-5.78	Axle Load
31.91(B)	26.8	40.68	N/A	39.69	Axle Load	-9.60	Axle Load
35.70(B)	30.0	35.12	N/A	36.39	Axle Load	-12.27	Axle Load
37.76(L)	31.7	32.10	N/A	34.60	Axle Load	-13.76	Axle Load
37.76(R)	31.7	32.02	N/A	34.60	Axle Load	-13.76	Axle Load
37.83(B)	31.8	31.91	N/A	34.54	Axle Load	-13.82	Axle Load
37.91(L)	31.9	31.80	N/A	34.47	Axle Load	-13.87	Axle Load
37.91(R)	31.9	31.72	N/A	34.47	Axle Load	-13.87	Axle Load
43.76(B)	36.8	23.13	N/A	29.51	Axle Load	-18.35	Axle Load
47.60(B)	40.0	17.50	N/A	26.37	Axle Load	-21.45	Axle Load
49.61(L)	41.7	14.55	N/A	24.76	Axle Load	-23.09	Axle Load
49.61(R)	41.7	14.47	N/A	24.76	Axle Load	-23.09	Axle Load
49.68(B)	41.8	14.36	N/A	24.70	Axle Load	-23.15	Axle Load
49.76(L)	41.8	14.25	N/A	24.64	Axle Load	-23.21	Axle Load
49.76(R)	41.8	14.17	N/A	24.64	Axle Load	-23.21	Axle Load
55.61(B)	46.7	5.59	N/A	20.17	Axle Load	-28.16	Axle Load
59.50(B)	50.0	-0.12	N/A	17.48	Axle Load	-31.64	Axle Load
61.46(L)	51.6	-2.99	N/A	16.15	Axle Load	-33.34	Axle Load
61.46(R)	51.6	-3.07	N/A	16.15	Axle Load	-33.34	Axle Load
61.53(B)	51.7	-3.18	N/A	16.10	Axle Load	-33.41	Axle Load
61.61(L)	51.8	-3.29	N/A	16.05	Axle Load	-33.47	Axle Load
61.61(R)	51.8	-3.37	N/A	16.05	Axle Load	-33.47	Axle Load
67.46(B)	56.7	-11.96	N/A	12.50	Axle Load	-39.01	Axle Load
71.40(B)	60.0	-17.74	N/A	10.31	Axle Load	-42.51	Axle Load
73.31(L)	61.6	-20.54	N/A	9.53	Axle Load	-44.19	Axle Load
73.31(R)	61.6	-20.62	N/A	9.53	Axle Load	-44.19	Axle Load
73.38(B)	61.7	-20.73	N/A	9.53	Axle Load	-44.26	Axle Load
73.46(L)	61.7	-20.84	N/A	9.53	Axle Load	-44.32	Axle Load
73.46(R)	61.7	-20.92	N/A	9.53	Axle Load	-44.32	Axle Load
79.31(B)	66.6	-29.50	N/A	9.66	Axle Load	-50.04	Axle Load
83.30(B)	70.0	-35.35	N/A	9.66	Axle Load	-53.45	Axle Load
85.16(L)	71.6	-38.08	N/A	9.66	Axle Load	-54.99	Axle Load
85.16(R)	71.6	-38.16	N/A	9.66	Axle Load	-54.99	Axle Load
85.23(B)	71.6	-38.27	N/A	9.66	Axle Load	-55.05	Axle Load
85.31(L)	71.7	-38.38	N/A	9.66	Axle Load	-55.12	Axle Load
85.31(R)	71.7	-38.46	N/A	9.66	Axle Load	-55.12	Axle Load
91.16(B)	76.6	-47.04	N/A	9.78	Axle Load	-60.55	Axle Load

95.20(B)	80.0	-52.97	N/A	9.78	Axle Load	-63.63	Axle Load
95.50(B)	80.3	-53.41	N/A	9.78	Axle Load	-63.85	Axle Load
97.01(L)	81.5	-55.63	N/A	9.78	Axle Load	-64.94	Axle Load
97.01(R)	81.5	-55.71	N/A	9.78	Axle Load	-64.94	Axle Load
97.08(B)	81.6	-55.82	N/A	9.78	Axle Load	-64.99	Axle Load
97.16(L)	81.6	-55.93	N/A	9.78	Axle Load	-65.05	Axle Load
97.16(R)	81.6	-56.01	N/A	9.78	Axle Load	-65.05	Axle Load
103.01(B)	86.6	-64.59	N/A	9.91	Axle Load	-69.84	Axle Load
104.00(B)	87.4	-66.04	N/A	9.91	Axle Load	-70.45	Axle Load
107.10(B)	90.0	-70.82	N/A	9.91	Axle Load	-72.32	Axle Load
108.86(L)	91.5	-73.53	N/A	9.91	Axle Load	-73.32	Axle Load
108.86(R)	91.5	-73.61	N/A	9.91	Axle Load	-73.32	Axle Load
108.93(B)	91.5	-73.73	N/A	9.91	Axle Load	-73.36	Axle Load
109.01(L)	91.6	-73.84	N/A	9.91	Axle Load	-73.40	Axle Load
109.01(R)	91.6	-73.92	N/A	9.91	Axle Load	-73.40	Axle Load
114.00(B)	95.8	-81.62	N/A	10.03	Axle Load	-76.86	Axle Load
119.00(L)	100.0	-89.32	N/A	10.03	Axle Load	-78.97	Axle Load

Span 3

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	89.42	N/A	78.97	Axle Load	-10.04	Axle Load
0.93(B)	0.8	87.99	N/A	73.70	Axle Load	-9.41	Axle Load
1.86(L)	1.6	86.56	N/A	73.35	Axle Load	-9.41	Axle Load
1.86(R)	1.6	86.48	N/A	73.35	Axle Load	-9.41	Axle Load
2.03(B)	1.7	86.21	N/A	73.28	Axle Load	-9.41	Axle Load
2.21(L)	1.9	85.94	N/A	73.22	Axle Load	-9.41	Axle Load
2.21(R)	1.9	85.86	N/A	73.22	Axle Load	-9.41	Axle Load
8.13(B)	6.8	76.73	N/A	70.62	Axle Load	-9.41	Axle Load
11.90(B)	10.0	70.92	N/A	68.66	Axle Load	-9.41	Axle Load
14.06(L)	11.8	67.60	N/A	67.45	Axle Load	-9.41	Axle Load
14.06(R)	11.8	67.52	N/A	67.45	Axle Load	-9.41	Axle Load
14.13(B)	11.9	67.40	N/A	67.40	Axle Load	-9.41	Axle Load
14.21(L)	11.9	67.29	N/A	67.36	Axle Load	-9.41	Axle Load
14.21(R)	11.9	67.21	N/A	67.36	Axle Load	-9.41	Axle Load
15.00(B)	12.6	65.99	N/A	66.90	Axle Load	-9.41	Axle Load
20.06(B)	16.9	58.56	N/A	63.75	Axle Load	-9.41	Axle Load
23.50(B)	19.7	53.52	N/A	61.39	Axle Load	-9.41	Axle Load
23.80(B)	20.0	53.08	N/A	61.18	Axle Load	-9.41	Axle Load
25.91(L)	21.8	49.98	N/A	59.66	Axle Load	-9.41	Axle Load
25.91(R)	21.8	49.90	N/A	59.66	Axle Load	-9.41	Axle Load
25.98(B)	21.8	49.79	N/A	59.60	Axle Load	-9.41	Axle Load

26.06(L)	21.9	49.68	N/A	59.55	Axle Load	-9.41	Axle Load
26.06(R)	21.9	49.60	N/A	59.55	Axle Load	-9.41	Axle Load
31.91(B)	26.8	41.02	N/A	55.11	Axle Load	-9.41	Axle Load
35.70(B)	30.0	35.46	N/A	52.05	Axle Load	-9.41	Axle Load
37.76(L)	31.7	32.44	N/A	50.35	Axle Load	-9.41	Axle Load
37.76(R)	31.7	32.36	N/A	50.35	Axle Load	-9.41	Axle Load
37.83(B)	31.8	32.25	N/A	50.29	Axle Load	-9.41	Axle Load
37.91(L)	31.9	32.14	N/A	50.23	Axle Load	-9.41	Axle Load
37.91(R)	31.9	32.06	N/A	50.23	Axle Load	-9.41	Axle Load
43.76(B)	36.8	23.47	N/A	45.28	Axle Load	-9.41	Axle Load
47.60(B)	40.0	17.84	N/A	41.95	Axle Load	-10.17	Axle Load
49.61(L)	41.7	14.89	N/A	40.19	Axle Load	-11.23	Axle Load
49.61(R)	41.7	14.81	N/A	40.19	Axle Load	-11.23	Axle Load
49.68(B)	41.8	14.70	N/A	40.12	Axle Load	-11.28	Axle Load
49.76(L)	41.8	14.59	N/A	40.06	Axle Load	-11.32	Axle Load
49.76(R)	41.8	14.51	N/A	40.06	Axle Load	-11.32	Axle Load
55.61(B)	46.7	5.93	N/A	34.93	Axle Load	-14.83	Axle Load
59.50(B)	50.0	0.22	N/A	31.63	Axle Load	-17.48	Axle Load
61.46(L)	51.6	-2.65	N/A	29.92	Axle Load	-18.84	Axle Load
61.46(R)	51.6	-2.73	N/A	29.92	Axle Load	-18.84	Axle Load
61.53(B)	51.7	-2.84	N/A	29.86	Axle Load	-18.89	Axle Load
61.61(L)	51.8	-2.95	N/A	29.79	Axle Load	-18.95	Axle Load
61.61(R)	51.8	-3.03	N/A	29.79	Axle Load	-18.95	Axle Load
67.46(B)	56.7	-11.62	N/A	25.03	Axle Load	-23.56	Axle Load
71.40(B)	60.0	-17.40	N/A	21.73	Axle Load	-26.73	Axle Load
73.31(L)	61.6	-20.20	N/A	20.16	Axle Load	-28.28	Axle Load
73.31(R)	61.6	-20.28	N/A	20.16	Axle Load	-28.28	Axle Load
73.38(B)	61.7	-20.39	N/A	20.10	Axle Load	-28.35	Axle Load
73.46(L)	61.7	-20.50	N/A	20.04	Axle Load	-28.41	Axle Load
73.46(R)	61.7	-20.58	N/A	20.04	Axle Load	-28.41	Axle Load
79.31(B)	66.6	-29.16	N/A	15.60	Axle Load	-33.82	Axle Load
83.30(B)	70.0	-35.01	N/A	12.60	Axle Load	-37.36	Axle Load
85.16(L)	71.6	-37.74	N/A	11.24	Axle Load	-39.01	Axle Load
85.16(R)	71.6	-37.82	N/A	11.24	Axle Load	-39.01	Axle Load
85.23(B)	71.6	-37.93	N/A	11.19	Axle Load	-39.08	Axle Load
85.31(L)	71.7	-38.04	N/A	11.13	Axle Load	-39.15	Axle Load
85.31(R)	71.7	-38.12	N/A	11.13	Axle Load	-39.15	Axle Load
91.16(B)	76.6	-46.70	N/A	7.17	Axle Load	-44.99	Axle Load
95.20(B)	80.0	-52.63	N/A	4.60	Axle Load	-48.68	Axle Load
95.50(B)	80.3	-53.07	N/A	4.42	Axle Load	-48.95	Axle Load
97.01(L)	81.5	-55.29	N/A	3.50	Axle Load	-50.31	Axle Load
97.01(R)	81.5	-55.37	N/A	3.50	Axle Load	-50.31	Axle Load
97.08(B)	81.6	-55.48	N/A	3.46	Axle Load	-50.38	Axle Load

97.16(L)	81.6	-55.59	N/A	3.41	Axle Load	-50.45	Axle Load
97.16(R)	81.6	-55.67	N/A	3.41	Axle Load	-50.45	Axle Load
103.01(B)	86.6	-64.25	N/A	0.16	Axle Load	-56.39	Axle Load
106.00(B)	89.1	-68.64	N/A	0.00	Axle Load	-59.04	Axle Load
107.10(B)	90.0	-70.33	N/A	0.00	Axle Load	-60.00	Axle Load
108.86(L)	91.5	-73.04	N/A	0.00	Axle Load	-61.52	Axle Load
108.86(R)	91.5	-73.12	N/A	0.00	Axle Load	-61.52	Axle Load
108.93(B)	91.5	-73.24	N/A	0.00	Axle Load	-61.58	Axle Load
109.01(L)	91.6	-73.35	N/A	0.00	Axle Load	-61.65	Axle Load
109.01(R)	91.6	-73.43	N/A	0.00	Axle Load	-61.65	Axle Load
114.00(B)	95.8	-81.13	N/A	0.00	Axle Load	-66.66	Axle Load
119.00(L)	100.0	-88.83	N/A	0.00	Axle Load	-70.70	Axle Load

Span 4

Location (ft)	Percent	DC (kip)	DW (kip)	+(LL+I) (kip)	Controlling Live Load	-(LL+I) (kip)	Controlling Live Load
0.00(R)	0.0	90.65	N/A	73.63	Axle Load	0.00	Axle Load
0.93(B)	1.0	89.22	N/A	68.46	Axle Load	0.00	Axle Load
1.86(L)	2.0	87.79	N/A	67.89	Axle Load	0.00	Axle Load
1.86(R)	2.0	87.71	N/A	67.89	Axle Load	0.00	Axle Load
2.03(B)	2.1	87.44	N/A	67.78	Axle Load	0.00	Axle Load
2.21(L)	2.3	87.17	N/A	67.67	Axle Load	0.00	Axle Load
2.21(R)	2.3	87.09	N/A	67.67	Axle Load	0.00	Axle Load
8.58(B)	9.0	77.26	N/A	63.48	Axle Load	0.00	Axle Load
9.52(B)	10.0	75.81	N/A	62.82	Axle Load	0.00	Axle Load
13.00(B)	13.6	70.46	N/A	60.33	Axle Load	0.00	Axle Load
14.96(L)	15.7	67.58	N/A	58.88	Axle Load	0.00	Axle Load
14.96(R)	15.7	67.50	N/A	58.88	Axle Load	0.00	Axle Load
15.25(B)	16.0	67.08	N/A	58.66	Axle Load	0.00	Axle Load
15.54(L)	16.3	66.65	N/A	58.44	Axle Load	-0.07	Axle Load
15.54(R)	16.3	66.57	N/A	58.44	Axle Load	-0.07	Axle Load
19.05(B)	20.0	61.42	N/A	55.71	Axle Load	-1.43	Axle Load
21.62(B)	22.7	57.65	N/A	53.64	Axle Load	-2.52	Axle Load
23.50(B)	24.7	54.89	N/A	52.10	Axle Load	-3.35	Axle Load
27.71(L)	29.1	48.72	N/A	48.53	Axle Load	-5.36	Axle Load
27.71(R)	29.1	48.64	N/A	48.53	Axle Load	-5.36	Axle Load
28.00(B)	29.4	48.21	N/A	48.28	Axle Load	-5.51	Axle Load
28.29(L)	29.7	47.79	N/A	48.03	Axle Load	-5.66	Axle Load
28.29(R)	29.7	47.71	N/A	48.03	Axle Load	-5.66	Axle Load
28.58(B)	30.0	47.29	N/A	47.78	Axle Load	-5.80	Axle Load
34.37(B)	36.1	38.78	N/A	42.60	Axle Load	-8.97	Axle Load
38.10(B)	40.0	33.32	N/A	39.15	Axle Load	-11.16	Axle Load

40.46(L)	42.5	29.85	N/A	36.92	Axle Load	-12.63	Axle Load
40.46(R)	42.5	29.77	N/A	36.92	Axle Load	-12.63	Axle Load
40.75(B)	42.8	29.35	N/A	36.65	Axle Load	-12.81	Axle Load
41.04(L)	43.1	28.92	N/A	36.37	Axle Load	-13.00	Axle Load
41.04(R)	43.1	28.84	N/A	36.37	Axle Load	-13.00	Axle Load
47.12(B)	49.5	19.92	N/A	30.47	Axle Load	-17.11	Axle Load
47.63(B)	50.0	19.18	N/A	30.06	Axle Load	-17.51	Axle Load
53.21(L)	55.9	10.99	N/A	24.69	Axle Load	-21.83	Axle Load
53.21(R)	55.9	10.91	N/A	24.69	Axle Load	-21.83	Axle Load
53.50(B)	56.2	10.48	N/A	24.39	Axle Load	-22.05	Axle Load
53.79(L)	56.5	10.06	N/A	24.10	Axle Load	-22.28	Axle Load
53.79(R)	56.5	9.98	N/A	24.10	Axle Load	-22.28	Axle Load
57.15(B)	60.0	5.05	N/A	21.06	Axle Load	-24.95	Axle Load
59.87(B)	62.9	1.05	N/A	18.63	Axle Load	-27.19	Axle Load
65.96(L)	69.2	-7.88	N/A	13.47	Axle Load	-32.82	Axle Load
65.96(R)	69.2	-7.96	N/A	13.47	Axle Load	-32.82	Axle Load
66.25(B)	69.6	-8.38	N/A	13.27	Axle Load	-33.08	Axle Load
66.54(L)	69.9	-8.81	N/A	13.07	Axle Load	-33.34	Axle Load
66.54(R)	69.9	-8.89	N/A	13.07	Axle Load	-33.34	Axle Load
66.68(B)	70.0	-9.09	N/A	12.98	Axle Load	-33.46	Axle Load
72.62(B)	76.2	-17.81	N/A	9.79	Axle Load	-39.43	Axle Load
76.20(B)	80.0	-23.06	N/A	8.12	Axle Load	-42.88	Axle Load
78.71(L)	82.6	-26.74	N/A	6.93	Axle Load	-45.35	Axle Load
78.71(R)	82.6	-26.82	N/A	6.93	Axle Load	-45.35	Axle Load
79.00(B)	82.9	-27.25	N/A	6.85	Axle Load	-45.64	Axle Load
79.29(L)	83.2	-27.67	N/A	6.85	Axle Load	-45.92	Axle Load
79.29(R)	83.2	-27.75	N/A	6.85	Axle Load	-45.92	Axle Load
85.37(B)	89.6	-36.68	N/A	6.93	Axle Load	-52.72	Axle Load
85.72(B)	90.0	-37.19	N/A	6.93	Axle Load	-53.08	Axle Load
91.46(L)	96.0	-45.61	N/A	7.02	Axle Load	-59.83	Axle Load
91.46(R)	96.0	-45.69	N/A	7.02	Axle Load	-59.83	Axle Load
91.75(B)	96.3	-46.11	N/A	7.02	Axle Load	-60.14	Axle Load
92.04(L)	96.6	-46.54	N/A	7.02	Axle Load	-60.46	Axle Load
92.04(R)	96.6	-46.62	N/A	7.02	Axle Load	-60.46	Axle Load
93.64(B)	98.3	-48.97	N/A	7.02	Axle Load	-62.20	Axle Load
95.25(L)	100.0	-51.33	N/A	7.02	Axle Load	-63.94	Axle Load

Note:

"N/A" indicates not applicable

"**" indicates not available

Note:

Impact and distribution factors included in above live load shears.

Sides:
 (B) Both
 (L) Left
 (R) Right

Report by Action: ☒ Shear ☒ Flexure ☒ Critical

Detailed Rating Results
Wizard Alternative
EV2
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	58.29	2.576	74.07
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2846.25
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2846.25
9.52	10.0	Shear	kip	395.43	37.15	50.23	5.345	153.66
9.52	10.0	Flexure	ksi	36.00	4.66	3.26	9.609	276.27
9.52	10.0	Flexure	ksi	34.20	3.73	2.51	9.343	268.61
19.05	20.0	Shear	kip	395.43	23.17	42.35	6.656	191.35
19.05	20.0	Flexure	ksi	36.00	7.83	5.50	5.121	147.23
19.05	20.0	Flexure	ksi	34.20	6.26	4.23	5.079	146.01
28.58	30.0	Shear	kip	395.43	9.04	34.77	8.497	244.29
28.58	30.0	Flexure	ksi	36.00	9.52	6.77	3.909	112.39
28.58	30.0	Flexure	ksi	34.20	7.61	5.21	3.925	112.83
38.10	40.0	Shear	kip	395.43	-5.09	27.59	11.203	322.08
38.10	40.0	Flexure	ksi	36.00	9.72	7.17	3.667	105.42
38.10	40.0	Flexure	ksi	34.20	7.78	5.51	3.687	106.00
47.63	50.0	Shear	kip	395.43	-19.23	-33.94	8.417	241.99
47.63	50.0	Flexure	ksi	36.00	8.45	6.96	3.961	113.89
47.63	50.0	Flexure	ksi	34.20	6.76	5.35	3.946	113.43
57.15	60.0	Shear	kip	395.43	-33.20	-41.17	6.612	190.10
57.15	60.0	Flexure	ksi	36.00	5.68	6.23	4.868	139.94
57.15	60.0	Flexure	ksi	34.20	4.55	4.79	4.761	136.88
66.68	70.0	Shear	kip	395.43	-47.34	-48.10	5.377	154.59
66.68	70.0	Flexure	ksi	36.00	1.44	4.87	7.097	204.04

66.68	70.0	Flexure	ksi	34.20	1.15	3.75	6.787	195.11
71.75	75.3	Shear	kip	424.98	-54.94	-51.86	5.285	151.95
71.75	75.3	Flexure	ksi	-33.94	-8.82	-3.56	7.060	202.99
71.75	75.3	Flexure	ksi	34.20	-1.14	2.95	9.221	265.10
76.20	80.0	Shear	kip	414.51	-61.47	-54.44	4.771	137.17
76.20	80.0	Flexure	ksi	-33.94	-8.82	-3.56	7.060	202.99
76.20	80.0	Flexure	ksi	-34.20	-3.42	-2.23	10.614	305.17
82.25	86.4	Shear	kip	414.51	-70.35	-58.38	4.303	123.71
82.25	86.4	Flexure	ksi	-33.94	-8.82	-3.56	7.060	202.99
82.25	86.4	Flexure	ksi	-34.20	-6.94	-2.41	8.710	250.42
85.72	90.0	Shear	kip	518.17	-75.86	-60.11	5.418	155.76
85.72	90.0	Flexure	ksi	-35.90	-14.36	-3.43	6.284	180.68
85.72	90.0	Flexure	ksi	-34.20	-6.42	-1.80	11.846	340.56
95.25	100.0	Shear	kip	390.83	88.94	64.22	3.350	96.31
95.25	100.0	Flexure	ksi	-35.90	-14.36	-3.43	6.284	180.68
95.25	100.0	Flexure	ksi	-34.20	-11.31	-2.33	7.572	217.71

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	53.94	6.134	176.36
11.90	10.0	Flexure	ksi	-35.90	-12.96	-3.34	6.872	197.58
11.90	10.0	Flexure	ksi	-34.20	-5.46	-1.97	11.230	322.86
13.00	10.9	Shear	kip	414.51	68.74	53.27	4.745	136.41
13.00	10.9	Flexure	ksi	-34.63	-12.96	-3.34	6.492	186.65
13.00	10.9	Flexure	ksi	-34.20	-7.14	-2.69	7.733	222.34
23.50	19.7	Shear	kip	424.98	53.18	46.48	5.933	170.58
23.50	19.7	Flexure	ksi	-34.63	-8.26	-3.91	6.740	193.77
23.50	19.7	Flexure	ksi	34.20	-1.50	2.92	9.419	270.80
23.80	20.0	Shear	kip	404.69	52.74	46.28	5.631	161.90
23.80	20.0	Flexure	ksi	-35.33	-8.26	-3.91	6.917	198.86
23.80	20.0	Flexure	ksi	34.20	-1.36	2.95	9.264	266.35
35.70	30.0	Shear	kip	395.43	35.12	37.85	7.144	205.39
35.70	30.0	Flexure	ksi	36.00	4.07	5.16	6.192	178.02
35.70	30.0	Flexure	ksi	34.20	3.26	3.97	6.001	172.52
47.60	40.0	Shear	kip	395.43	17.50	29.20	9.842	282.96
47.60	40.0	Flexure	ksi	36.00	7.52	5.70	4.996	143.63
47.60	40.0	Flexure	ksi	34.20	6.02	4.38	4.944	142.14
59.50	50.0	Shear	kip	395.43	-0.12	-34.11	8.914	256.28
59.50	50.0	Flexure	ksi	36.00	8.66	5.52	4.956	142.47

59.50	50.0	Flexure	ksi	34.20	6.93	4.24	4.943	142.12
71.40	60.0	Shear	kip	395.43	-17.74	-42.95	6.686	192.21
71.40	60.0	Flexure	ksi	36.00	7.48	4.54	6.284	180.67
71.40	60.0	Flexure	ksi	34.20	5.98	3.49	6.217	178.74
83.30	70.0	Shear	kip	395.43	-35.35	-51.29	5.268	151.45
83.30	70.0	Flexure	ksi	36.00	3.98	2.88	11.135	320.13
83.30	70.0	Flexure	ksi	34.20	3.19	2.21	10.786	310.09
95.20	80.0	Shear	kip	404.69	-52.97	-58.45	4.455	128.07
95.20	80.0	Flexure	ksi	-35.33	-2.96	-3.04	10.646	306.07
95.20	80.0	Flexure	ksi	-34.20	-1.47	-1.76	14.297	411.04
95.50	80.3	Shear	kip	424.98	-53.41	-58.59	4.703	135.22
95.50	80.3	Flexure	ksi	-34.63	-2.96	-3.04	10.418	299.51
95.50	80.3	Flexure	ksi	-34.20	-1.61	-1.81	13.843	398.00
104.00	87.4	Shear	kip	414.51	-66.04	-62.81	4.066	116.89
104.00	87.4	Flexure	ksi	-34.32	-7.73	-4.95	5.375	154.54
104.00	87.4	Flexure	ksi	-34.20	-6.08	-3.35	6.462	185.79
107.10	90.0	Shear	kip	518.17	-70.82	-63.81	5.179	148.90
107.10	90.0	Flexure	ksi	-34.32	-7.73	-4.95	5.375	154.54
107.10	90.0	Flexure	ksi	-34.20	-5.56	-2.86	7.699	221.34
119.00	100.0	Shear	kip	390.83	89.42	67.07	3.201	92.02
119.00	100.0	Flexure	ksi	-35.90	-14.53	-7.02	3.045	87.56
119.00	100.0	Flexure	ksi	-34.20	-11.44	-4.76	3.678	105.73

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.92	60.58	5.453	156.79
11.90	10.0	Flexure	ksi	-35.90	-13.25	-6.55	3.458	99.42
11.90	10.0	Flexure	ksi	-34.20	-5.56	-2.86	7.702	221.44
15.00	12.6	Shear	kip	414.51	65.99	59.63	4.283	123.14
15.00	12.6	Flexure	ksi	-34.32	-7.73	-4.94	5.377	154.60
15.00	12.6	Flexure	ksi	-34.20	-6.08	-3.35	6.465	185.86
23.50	19.7	Shear	kip	424.98	53.52	56.34	4.889	140.56
23.50	19.7	Flexure	ksi	-34.32	-7.73	-4.94	5.377	154.60
23.50	19.7	Flexure	ksi	-34.20	-1.61	-1.81	13.853	398.28
23.80	20.0	Shear	kip	404.69	53.08	56.20	4.631	133.14
23.80	20.0	Flexure	ksi	-34.32	-7.73	-4.94	5.377	154.60
23.80	20.0	Flexure	ksi	-34.20	-1.47	-1.76	14.300	411.14
35.70	30.0	Shear	kip	395.43	35.46	49.96	5.406	155.43
35.70	30.0	Flexure	ksi	36.00	3.98	2.88	11.128	319.93

35.70	30.0	Flexure	ksi	34.20	3.19	2.21	10.779	309.90
47.60	40.0	Shear	kip	395.43	17.84	42.38	6.773	194.71
47.60	40.0	Flexure	ksi	36.00	7.48	4.54	6.282	180.61
47.60	40.0	Flexure	ksi	34.20	5.98	3.49	6.215	178.68
59.50	50.0	Shear	kip	395.43	0.22	34.11	8.911	256.19
59.50	50.0	Flexure	ksi	36.00	8.66	5.52	4.954	142.44
59.50	50.0	Flexure	ksi	34.20	6.93	4.25	4.942	142.08
71.40	60.0	Shear	kip	395.43	-17.40	-29.58	9.717	279.37
71.40	60.0	Flexure	ksi	36.00	7.52	5.70	4.997	143.66
71.40	60.0	Flexure	ksi	34.20	6.02	4.38	4.945	142.17
83.30	70.0	Shear	kip	395.43	-35.01	-38.86	6.962	200.14
83.30	70.0	Flexure	ksi	36.00	4.07	5.16	6.193	178.06
83.30	70.0	Flexure	ksi	34.20	3.26	3.97	6.002	172.56
95.20	80.0	Shear	kip	404.69	-52.63	-48.12	5.417	155.75
95.20	80.0	Flexure	ksi	-35.33	-2.82	-3.43	9.477	272.47
95.20	80.0	Flexure	ksi	34.20	-1.36	2.95	9.267	266.42
95.50	80.3	Shear	kip	424.98	-53.07	-48.34	5.707	164.09
95.50	80.3	Flexure	ksi	-34.63	-2.82	-3.43	9.275	266.66
95.50	80.3	Flexure	ksi	34.20	-1.50	2.92	9.419	270.79
106.00	89.1	Shear	kip	414.51	-68.64	-56.11	4.506	129.55
106.00	89.1	Flexure	ksi	-34.32	-9.07	-3.99	6.334	182.11
106.00	89.1	Flexure	ksi	-34.20	-7.14	-2.70	7.718	221.90
107.10	90.0	Shear	kip	518.17	-70.33	-56.81	5.826	167.49
107.10	90.0	Flexure	ksi	-34.32	-9.07	-3.99	6.334	182.11
107.10	90.0	Flexure	ksi	-34.20	-5.46	-1.97	11.208	322.24
119.00	100.0	Shear	kip	390.83	90.65	65.30	3.269	93.99
119.00	100.0	Flexure	ksi	-35.90	-14.36	-3.43	6.272	180.32
119.00	100.0	Flexure	ksi	-34.20	-11.31	-2.33	7.558	217.28

Span 4

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	75.81	57.25	5.689	163.54
9.52	10.0	Flexure	ksi	-35.90	-13.06	-3.01	7.579	217.89
9.52	10.0	Flexure	ksi	-34.20	-6.42	-1.81	11.836	340.30
13.00	13.6	Shear	kip	414.51	70.46	55.62	4.515	129.80
13.00	13.6	Flexure	ksi	-34.63	-13.06	-3.01	7.158	205.78
13.00	13.6	Flexure	ksi	-34.20	-6.94	-2.41	8.704	250.23
19.05	20.0	Shear	kip	414.51	61.42	52.49	4.949	142.28
19.05	20.0	Flexure	ksi	-34.63	-7.30	-3.48	7.863	226.08

19.05	20.0	Flexure	ksi	-34.20	-3.42	-2.23	10.607	304.95
23.50	24.7	Shear	kip	424.98	54.89	49.99	5.483	157.65
23.50	24.7	Flexure	ksi	-34.63	-7.30	-3.48	7.863	226.08
23.50	24.7	Flexure	ksi	34.20	-1.14	2.95	9.223	265.17
28.58	30.0	Shear	kip	395.43	47.29	46.92	5.513	158.51
28.58	30.0	Flexure	ksi	36.00	1.44	4.87	7.089	203.82
28.58	30.0	Flexure	ksi	34.20	1.15	3.75	6.779	194.91
38.10	40.0	Shear	kip	395.43	33.32	40.68	6.690	192.34
38.10	40.0	Flexure	ksi	36.00	5.69	6.22	4.871	140.04
38.10	40.0	Flexure	ksi	34.20	4.55	4.79	4.764	136.98
47.63	50.0	Shear	kip	395.43	19.18	33.93	8.420	242.09
47.63	50.0	Flexure	ksi	36.00	8.45	6.96	3.960	113.85
47.63	50.0	Flexure	ksi	34.20	6.76	5.35	3.944	113.39
57.15	60.0	Shear	kip	395.43	5.05	-27.93	11.063	318.06
57.15	60.0	Flexure	ksi	36.00	9.72	7.17	3.667	105.41
57.15	60.0	Flexure	ksi	34.20	7.78	5.51	3.687	105.99
66.68	70.0	Shear	kip	395.43	-9.09	-35.64	8.290	238.34
66.68	70.0	Flexure	ksi	36.00	9.52	6.77	3.909	112.38
66.68	70.0	Flexure	ksi	34.20	7.62	5.21	3.924	112.83
76.20	80.0	Shear	kip	395.43	-23.06	-43.94	6.418	184.53
76.20	80.0	Flexure	ksi	36.00	7.83	5.50	5.121	147.24
76.20	80.0	Flexure	ksi	34.20	6.26	4.23	5.079	146.01
85.72	90.0	Shear	kip	395.43	-37.19	-52.73	5.090	146.34
85.72	90.0	Flexure	ksi	36.00	4.66	3.26	9.610	276.28
85.72	90.0	Flexure	ksi	34.20	3.72	2.51	9.343	268.62
95.25	100.0	Shear	kip	469.80	-51.33	-61.91	5.040	144.90
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2846.25
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2846.25

Detailed Rating Results
Wizard Alternative
EV3
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal	Legal
Location							Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	86.57	2.050	88.15

0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	4257.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	4257.00
9.52	10.0	Shear	kip	395.43	37.15	74.53	4.257	183.04
9.52	10.0	Flexure	ksi	36.00	4.66	4.10	7.654	329.10
9.52	10.0	Flexure	ksi	34.20	3.73	3.72	6.297	270.75
19.05	20.0	Shear	kip	395.43	23.17	62.78	5.306	228.17
19.05	20.0	Flexure	ksi	36.00	7.83	6.90	4.083	175.56
19.05	20.0	Flexure	ksi	34.20	6.26	6.27	3.426	147.32
28.58	30.0	Shear	kip	395.43	9.04	51.46	6.785	291.77
28.58	30.0	Flexure	ksi	36.00	9.52	8.48	3.122	134.23
28.58	30.0	Flexure	ksi	34.20	7.61	7.71	2.652	114.03
38.10	40.0	Shear	kip	395.43	-5.09	40.78	8.957	385.17
38.10	40.0	Flexure	ksi	36.00	9.72	9.14	2.875	123.63
38.10	40.0	Flexure	ksi	34.20	7.78	8.31	2.446	105.18
47.63	50.0	Shear	kip	395.43	-19.23	-50.19	6.727	289.24
47.63	50.0	Flexure	ksi	36.00	8.45	8.88	3.102	133.37
47.63	50.0	Flexure	ksi	34.20	6.76	8.08	2.614	112.40
57.15	60.0	Shear	kip	395.43	-33.20	-61.06	5.269	226.57
57.15	60.0	Flexure	ksi	36.00	5.68	7.86	3.858	165.88
57.15	60.0	Flexure	ksi	34.20	4.55	7.14	3.193	137.29
66.68	70.0	Shear	kip	395.43	-47.34	-71.44	4.279	184.00
66.68	70.0	Flexure	ksi	36.00	1.44	6.09	5.676	244.08
66.68	70.0	Flexure	ksi	34.20	1.15	5.54	4.593	197.49
71.75	75.3	Shear	kip	424.98	-54.94	-77.08	4.202	180.70
71.75	75.3	Flexure	ksi	-33.94	-8.82	-4.49	5.591	240.43
71.75	75.3	Flexure	ksi	34.20	-1.14	4.34	6.258	269.08
76.20	80.0	Shear	kip	414.51	-61.47	-81.00	3.790	162.96
76.20	80.0	Flexure	ksi	-33.94	-8.82	-4.49	5.591	240.43
76.20	80.0	Flexure	ksi	-34.20	-3.42	-3.33	7.113	305.85
82.25	86.4	Shear	kip	414.51	-70.35	-86.90	3.417	146.91
82.25	86.4	Flexure	ksi	-33.94	-8.82	-4.49	5.591	240.43
82.25	86.4	Flexure	ksi	-34.20	-6.94	-3.59	5.837	250.98
85.72	90.0	Shear	kip	518.17	-75.86	-89.51	4.300	184.89
85.72	90.0	Flexure	ksi	-35.90	-14.36	-4.33	4.978	214.04
85.72	90.0	Flexure	ksi	-34.20	-6.42	-2.69	7.938	341.33
95.25	100.0	Shear	kip	390.83	88.94	95.60	2.659	114.35
95.25	100.0	Flexure	ksi	-35.90	-14.36	-4.33	4.978	214.04
95.25	100.0	Flexure	ksi	-34.20	-11.31	-3.47	5.075	218.24

Span 2

Location	Legal Rating	Legal Load Rating

(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	80.20	4.876	209.65
11.90	10.0	Flexure	ksi	-35.90	-12.96	-4.21	5.444	234.07
11.90	10.0	Flexure	ksi	-34.20	-5.46	-2.94	7.527	323.65
13.00	10.9	Shear	kip	414.51	68.74	79.20	3.771	162.17
13.00	10.9	Flexure	ksi	-34.63	-12.96	-4.21	5.142	221.12
13.00	10.9	Flexure	ksi	-34.20	-7.14	-4.02	5.183	222.88
23.50	19.7	Shear	kip	424.98	53.18	69.01	4.723	203.08
23.50	19.7	Flexure	ksi	-34.63	-8.26	-4.94	5.338	229.55
23.50	19.7	Flexure	ksi	34.20	-1.50	4.31	6.377	274.22
23.80	20.0	Shear	kip	404.69	52.74	68.70	4.483	192.76
23.80	20.0	Flexure	ksi	-35.33	-8.26	-4.94	5.479	235.59
23.80	20.0	Flexure	ksi	34.20	-1.36	4.36	6.273	269.73
35.70	30.0	Shear	kip	395.43	35.12	56.10	5.697	244.97
35.70	30.0	Flexure	ksi	36.00	4.07	6.52	4.894	210.45
35.70	30.0	Flexure	ksi	34.20	3.26	5.93	4.013	172.57
47.60	40.0	Shear	kip	395.43	17.50	43.18	7.865	338.20
47.60	40.0	Flexure	ksi	36.00	7.52	7.30	3.899	167.64
47.60	40.0	Flexure	ksi	34.20	6.02	6.64	3.265	140.38
59.50	50.0	Shear	kip	395.43	-0.12	-50.51	7.115	305.94
59.50	50.0	Flexure	ksi	36.00	8.66	7.04	3.884	167.01
59.50	50.0	Flexure	ksi	34.20	6.93	6.40	3.278	140.96
71.40	60.0	Shear	kip	395.43	-17.74	-63.73	5.325	228.96
71.40	60.0	Flexure	ksi	36.00	7.48	5.75	4.961	213.31
71.40	60.0	Flexure	ksi	34.20	5.98	5.23	4.153	178.57
83.30	70.0	Shear	kip	395.43	-35.35	-76.25	4.188	180.08
83.30	70.0	Flexure	ksi	36.00	3.98	3.68	8.705	374.32
83.30	70.0	Flexure	ksi	34.20	3.19	3.34	7.135	306.81
95.20	80.0	Shear	kip	404.69	-52.97	-87.02	3.536	152.05
95.20	80.0	Flexure	ksi	-35.33	-2.96	-3.83	8.441	362.98
95.20	80.0	Flexure	ksi	-34.20	-1.47	-2.63	9.590	412.37
95.50	80.3	Shear	kip	424.98	-53.41	-87.23	3.733	160.53
95.50	80.3	Flexure	ksi	-34.63	-2.96	-3.83	8.260	355.20
95.50	80.3	Flexure	ksi	-34.20	-1.61	-2.70	9.285	399.24
104.00	87.4	Shear	kip	414.51	-66.04	-93.62	3.223	138.61
104.00	87.4	Flexure	ksi	-34.32	-7.73	-6.24	4.258	183.11
104.00	87.4	Flexure	ksi	-34.20	-6.08	-4.99	4.332	186.27
107.10	90.0	Shear	kip	518.17	-70.82	-95.15	4.105	176.51
107.10	90.0	Flexure	ksi	-34.32	-7.73	-6.24	4.258	183.11
107.10	90.0	Flexure	ksi	-34.20	-5.56	-4.27	5.159	221.85
119.00	100.0	Shear	kip	390.83	89.42	100.11	2.534	108.97
119.00	100.0	Flexure	ksi	-35.90	-14.53	-8.86	2.411	103.67

119.00	100.0	Flexure	ksi	-34.20	-11.44	-7.11	2.463	105.93
Span 3								
							Legal	Legal
							Rating	Load
Location							Factor	Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL		(Ton)
11.90	10.0	Shear	kip	518.17	70.92	90.33	4.322	185.87
11.90	10.0	Flexure	ksi	-35.90	-13.25	-8.28	2.735	117.61
11.90	10.0	Flexure	ksi	-34.20	-5.56	-4.27	5.165	222.08
15.00	12.6	Shear	kip	414.51	65.99	88.90	3.395	146.00
15.00	12.6	Flexure	ksi	-34.32	-7.73	-6.24	4.258	183.11
15.00	12.6	Flexure	ksi	-34.20	-6.08	-4.99	4.332	186.27
23.50	19.7	Shear	kip	424.98	53.52	83.87	3.881	166.90
23.50	19.7	Flexure	ksi	-34.32	-7.73	-6.24	4.258	183.11
23.50	19.7	Flexure	ksi	-34.20	-1.61	-2.70	9.293	399.62
23.80	20.0	Shear	kip	404.69	53.08	83.66	3.677	158.09
23.80	20.0	Flexure	ksi	-34.32	-7.73	-6.24	4.258	183.11
23.80	20.0	Flexure	ksi	-34.20	-1.47	-2.62	9.595	412.58
35.70	30.0	Shear	kip	395.43	35.46	74.25	4.299	184.84
35.70	30.0	Flexure	ksi	36.00	3.98	3.67	8.722	375.06
35.70	30.0	Flexure	ksi	34.20	3.19	3.34	7.149	307.41
47.60	40.0	Shear	kip	395.43	17.84	62.88	5.395	231.97
47.60	40.0	Flexure	ksi	36.00	7.48	5.74	4.965	213.50
47.60	40.0	Flexure	ksi	34.20	5.98	5.22	4.157	178.73
59.50	50.0	Shear	kip	395.43	0.22	50.50	7.114	305.88
59.50	50.0	Flexure	ksi	36.00	8.66	7.04	3.886	167.10
59.50	50.0	Flexure	ksi	34.20	6.93	6.40	3.280	141.04
71.40	60.0	Shear	kip	395.43	-17.40	-43.75	7.764	333.86
71.40	60.0	Flexure	ksi	36.00	7.52	7.31	3.897	167.57
71.40	60.0	Flexure	ksi	34.20	6.02	6.64	3.263	140.32
83.30	70.0	Shear	kip	395.43	-35.01	-57.60	5.551	238.68
83.30	70.0	Flexure	ksi	36.00	4.07	6.53	4.891	210.33
83.30	70.0	Flexure	ksi	34.20	3.26	5.93	4.011	172.47
95.20	80.0	Shear	kip	404.69	-52.63	-71.46	4.312	185.40
95.20	80.0	Flexure	ksi	-35.33	-2.82	-4.34	7.498	322.40
95.20	80.0	Flexure	ksi	34.20	-1.36	4.37	6.266	269.44
95.50	80.3	Shear	kip	424.98	-53.07	-71.77	4.543	195.33
95.50	80.3	Flexure	ksi	-34.63	-2.82	-4.34	7.338	315.52
95.50	80.3	Flexure	ksi	34.20	-1.50	4.31	6.370	273.90
106.00	89.1	Shear	kip	414.51	-68.64	-83.42	3.582	154.03
106.00	89.1	Flexure	ksi	-34.32	-9.07	-5.04	5.011	215.48

106.00	89.1	Flexure	ksi	-34.20	-7.14	-4.03	5.167	222.17
107.10	90.0	Shear	kip	518.17	-70.33	-84.48	4.630	199.08
107.10	90.0	Flexure	ksi	-34.32	-9.07	-5.04	5.011	215.48
107.10	90.0	Flexure	ksi	-34.20	-5.46	-2.95	7.503	322.64
119.00	100.0	Shear	kip	390.83	90.65	97.31	2.593	111.49
119.00	100.0	Flexure	ksi	-35.90	-14.36	-4.34	4.962	213.37
119.00	100.0	Flexure	ksi	-34.20	-11.31	-3.48	5.059	217.55

Span 4

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	75.81	85.27	4.514	194.11
9.52	10.0	Flexure	ksi	-35.90	-13.06	-3.81	6.003	258.12
9.52	10.0	Flexure	ksi	-34.20	-6.42	-2.69	7.937	341.28
13.00	13.6	Shear	kip	414.51	70.46	82.77	3.585	154.17
13.00	13.6	Flexure	ksi	-34.63	-13.06	-3.81	5.669	243.77
13.00	13.6	Flexure	ksi	-34.20	-6.94	-3.59	5.836	250.95
19.05	20.0	Shear	kip	414.51	61.42	78.09	3.932	169.07
19.05	20.0	Flexure	ksi	-34.63	-7.30	-4.39	6.231	267.95
19.05	20.0	Flexure	ksi	-34.20	-3.42	-3.33	7.112	305.83
23.50	24.7	Shear	kip	424.98	54.89	74.31	4.360	187.47
23.50	24.7	Flexure	ksi	-34.63	-7.30	-4.39	6.231	267.95
23.50	24.7	Flexure	ksi	34.20	-1.14	4.34	6.259	269.15
28.58	30.0	Shear	kip	395.43	47.29	69.71	4.386	188.60
28.58	30.0	Flexure	ksi	36.00	1.44	6.09	5.675	244.03
28.58	30.0	Flexure	ksi	34.20	1.15	5.54	4.592	197.46
38.10	40.0	Shear	kip	395.43	33.32	60.31	5.333	229.31
38.10	40.0	Flexure	ksi	36.00	5.69	7.85	3.862	166.08
38.10	40.0	Flexure	ksi	34.20	4.55	7.14	3.197	137.46
47.63	50.0	Shear	kip	395.43	19.18	50.20	6.727	289.27
47.63	50.0	Flexure	ksi	36.00	8.45	8.89	3.100	133.28
47.63	50.0	Flexure	ksi	34.20	6.76	8.08	2.612	112.32
57.15	60.0	Shear	kip	395.43	5.05	-41.27	8.849	380.52
57.15	60.0	Flexure	ksi	36.00	9.72	9.14	2.875	123.62
57.15	60.0	Flexure	ksi	34.20	7.78	8.31	2.446	105.18
66.68	70.0	Shear	kip	395.43	-9.09	-52.76	6.618	284.58
66.68	70.0	Flexure	ksi	36.00	9.52	8.49	3.121	134.19
66.68	70.0	Flexure	ksi	34.20	7.62	7.71	2.651	113.99
76.20	80.0	Shear	kip	395.43	-23.06	-65.12	5.118	220.06
76.20	80.0	Flexure	ksi	36.00	7.83	6.90	4.083	175.59

76.20	80.0	Flexure	ksi	34.20	6.26	6.27	3.426	147.34
85.72	90.0	Shear	kip	395.43	-37.19	-78.25	4.054	174.32
85.72	90.0	Flexure	ksi	36.00	4.66	4.10	7.653	329.10
85.72	90.0	Flexure	ksi	34.20	3.72	3.72	6.296	270.75
95.25	100.0	Shear	kip	469.80	-51.33	-91.96	4.010	172.44
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	4257.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	4257.00

Detailed Rating Results
Wizard Alternative
HL-93 (US)
Truck + Lane
Impact: As Requested
Lane: As Requested

Span 1

							Inventory	Inventory	Operating	Operating
							Rating	Load Rating	Rating	Load Rating
Location					DL +					
(ft)	Percent	Limit State	Units	Capacity	Adj- LL*	LL	Factor	(Ton)	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	91.55	1.219	43.87	1.580	56.86
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00	99.000	3564.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00	99.000	3564.00
9.52	10.0	Shear	kip	395.43	37.15	76.80	2.597	93.48	3.366	121.18
9.52	10.0	Flexure	ksi	36.00	4.66	6.91	4.538	163.37	5.883	211.78
9.52	10.0	Flexure	ksi	34.20	3.73	3.95	5.940	213.83	7.722	277.98
19.05	20.0	Shear	kip	395.43	23.17	62.96	3.326	119.74	4.312	155.22
19.05	20.0	Flexure	ksi	36.00	7.83	11.67	2.414	86.92	3.130	112.67
19.05	20.0	Flexure	ksi	34.20	6.26	6.67	3.223	116.04	4.190	150.85
28.58	30.0	Shear	kip	395.43	9.04	50.18	4.374	157.48	5.670	204.14
28.58	30.0	Flexure	ksi	36.00	9.52	14.43	1.835	66.06	2.379	85.63
28.58	30.0	Flexure	ksi	34.20	7.61	8.25	2.480	89.27	3.224	116.05
38.10	40.0	Shear	kip	395.43	-5.09	-38.44	5.784	208.22	7.498	269.92
38.10	40.0	Flexure	ksi	36.00	9.72	15.56	1.688	60.79	2.189	78.80
38.10	40.0	Flexure	ksi	34.20	7.78	8.89	2.285	82.28	2.971	106.96
47.63	50.0	Shear	kip	395.43	-	-50.70	4.186	150.70	5.427	195.36
47.63	50.0	Flexure	ksi	36.00	8.45	15.15	1.818	65.46	2.357	84.85
47.63	50.0	Flexure	ksi	34.20	6.76	8.66	2.438	87.76	3.169	114.09
57.15	60.0	Shear	kip	395.43	-	-63.40	3.190	114.84	4.135	148.87
57.15	60.0	Flexure	ksi	36.00	5.68	13.34	2.272	81.78	2.945	106.02

57.15	60.0	Flexure	ksi	34.20	4.55	7.63	2.991	107.69	3.889	139.99
66.68	70.0	Shear	kip	395.43	-	-76.37	2.516	90.57	3.261	117.41
66.68	70.0	Flexure	ksi	36.00	1.44	10.08	3.430	123.49	4.447	160.08
66.68	70.0	Flexure	ksi	34.20	1.15	5.76	4.416	158.96	5.740	206.65
71.75	75.3	Shear	kip	424.98	-	-83.72	2.432	87.55	3.152	113.49
71.75	75.3	Flexure	ksi	-33.94	-8.82	-9.18	2.736	98.48	3.546	127.66
71.75	75.3	Flexure	ksi	34.20	-1.14	4.34	6.262	225.45	8.141	293.08
76.20	80.0	Shear	kip	414.51	-	-89.21	2.163	77.87	2.804	100.94
76.20	80.0	Flexure	ksi	-33.94	-8.82	-9.18	2.736	98.48	3.546	127.66
76.20	80.0	Flexure	ksi	-34.20	-3.42	-4.03	5.878	211.62	7.642	275.10
82.25	86.4	Shear	kip	414.51	-	-97.65	1.911	68.80	2.477	89.19
82.25	86.4	Flexure	ksi	-33.94	-8.82	-9.18	2.736	98.48	3.546	127.66
82.25	86.4	Flexure	ksi	-34.20	-6.94	-4.62	4.543	163.55	5.906	212.61
85.72	90.0	Shear	kip	518.17	-	-	2.377	85.58	3.082	110.94
					75.86	101.76				
85.72	90.0	Flexure	ksi	-35.90	-	-10.37	2.077	74.76	2.692	96.91
					14.36					
85.72	90.0	Flexure	ksi	-34.20	-6.42	-3.65	5.852	210.68	7.608	273.89
95.25	100.0	Shear	kip	390.83	88.94	111.72	1.430	51.50	1.854	66.76
95.25	100.0	Flexure	ksi	-35.90	-	-10.37	2.077	74.76	2.692	96.91
					14.36					
95.25	100.0	Flexure	ksi	-34.20	-	-5.23	3.369	121.27	4.379	157.65
					11.31					

Span 2

							Inventory Inventory Operating Operating			
Location							Rating	Load Rating	Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	90.59	2.713	97.67	3.517	126.61
11.90	10.0	Flexure	ksi	-35.90	-	-9.78	2.347	84.48	3.042	109.51
					12.96					
11.90	10.0	Flexure	ksi	-34.20	-5.46	-3.72	5.939	213.79	7.720	277.93
13.00	10.9	Shear	kip	414.51	68.74	89.19	2.105	75.78	2.729	98.24
13.00	10.9	Flexure	ksi	-34.63	-	-9.78	2.217	79.80	2.873	103.44
					12.96					
13.00	10.9	Flexure	ksi	-34.20	-7.14	-5.03	4.140	149.03	5.382	193.74
23.50	19.7	Shear	kip	424.98	53.18	75.74	2.705	97.37	3.506	126.22
23.50	19.7	Flexure	ksi	-34.63	-8.26	-9.73	2.709	97.53	3.512	126.43

23.50	19.7	Flexure	ksi	-34.20	-1.50	-3.99	6.307	227.04	8.199	295.15
23.80	20.0	Shear	kip	404.69	52.74	75.35	2.569	92.49	3.330	119.89
23.80	20.0	Flexure	ksi	-35.33	-8.26	-9.73	2.780	100.10	3.604	129.75
23.80	20.0	Flexure	ksi	34.20	-1.36	4.32	6.337	228.14	8.238	296.58
35.70	30.0	Shear	kip	395.43	35.12	60.10	3.342	120.33	4.333	155.98
35.70	30.0	Flexure	ksi	36.00	4.07	10.93	2.921	105.16	3.787	136.32
35.70	30.0	Flexure	ksi	34.20	3.26	6.25	3.811	137.19	4.954	178.34
47.60	40.0	Shear	kip	395.43	17.50	45.57	4.684	168.62	6.072	218.58
47.60	40.0	Flexure	ksi	36.00	7.52	12.42	2.294	82.57	2.973	107.03
47.60	40.0	Flexure	ksi	34.20	6.02	7.09	3.055	110.00	3.972	143.00
59.50	50.0	Shear	kip	395.43	-0.12	-48.80	4.629	166.64	6.001	216.02
59.50	50.0	Flexure	ksi	36.00	8.66	11.97	2.285	82.25	2.962	106.62
59.50	50.0	Flexure	ksi	34.20	6.93	6.84	3.068	110.45	3.988	143.58
71.40	60.0	Shear	kip	395.43	-	-64.30	3.317	119.41	4.300	154.79
					17.74					
71.40	60.0	Flexure	ksi	36.00	7.48	9.52	2.995	107.83	3.883	139.78
71.40	60.0	Flexure	ksi	34.20	5.98	5.44	3.989	143.61	5.186	186.69
83.30	70.0	Shear	kip	395.43	-	-80.29	2.500	89.99	3.240	116.66
					35.35					
83.30	70.0	Flexure	ksi	36.00	3.98	5.69	5.627	202.59	7.295	262.61
83.30	70.0	Flexure	ksi	34.20	3.19	3.25	7.338	264.17	9.539	343.42
95.20	80.0	Shear	kip	404.69	-	-95.75	2.020	72.72	2.618	94.26
					52.97					
95.20	80.0	Flexure	ksi	-35.33	-2.96	-6.98	4.636	166.88	6.009	216.32
95.20	80.0	Flexure	ksi	-34.20	-1.47	-2.97	8.469	304.89	11.010	396.36
95.50	80.3	Shear	kip	424.98	-	-96.10	2.130	76.68	2.761	99.40
					53.41					
95.50	80.3	Flexure	ksi	-34.63	-2.96	-6.98	4.536	163.30	5.880	211.69
95.50	80.3	Flexure	ksi	-34.20	-1.61	-3.05	8.232	296.34	10.701	385.24
104.00	87.4	Shear	kip	414.51	-	-	1.779	64.03	2.306	83.00
					66.04	106.65				
104.00	87.4	Flexure	ksi	-34.32	-7.73	-11.80	2.253	81.12	2.921	105.15
104.00	87.4	Flexure	ksi	-34.20	-6.08	-5.93	3.647	131.28	4.741	170.66
107.10	90.0	Shear	kip	518.17	-	-	2.236	80.51	2.899	104.36
					70.82	109.78				
107.10	90.0	Flexure	ksi	-34.32	-7.73	-11.80	2.253	81.12	2.921	105.15
107.10	90.0	Flexure	ksi	-34.20	-5.56	-5.12	4.305	154.97	5.596	201.46
119.00	100.0	Shear	kip	390.83	89.42	121.66	1.311	47.18	1.699	61.16
119.00	100.0	Flexure	ksi	-35.90	-	-17.60	1.214	43.71	1.574	56.66
					14.53					
119.00	100.0	Flexure	ksi	-34.20	-	-8.87	1.974	71.05	2.566	92.36
					11.44					

Span 3

Location						Inventory		Inventory	Operating	
						Rating		Load Rating	Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.92	104.24	2.354	84.76	3.052	109.87
11.90	10.0	Flexure	ksi	-35.90	- 13.25	-16.36	1.385	49.85	1.795	64.62
11.90	10.0	Flexure	ksi	-34.20	-5.56	-5.13	4.295	154.61	5.583	200.99
15.00	12.6	Shear	kip	414.51	65.99	101.25	1.874	67.46	2.429	87.44
15.00	12.6	Flexure	ksi	-34.32	-7.73	-11.80	2.253	81.10	2.920	105.12
15.00	12.6	Flexure	ksi	-34.20	-6.08	-5.93	3.646	131.24	4.739	170.61
23.50	19.7	Shear	kip	424.98	53.52	92.42	2.214	79.71	2.870	103.32
23.50	19.7	Flexure	ksi	-34.32	-7.73	-11.80	2.253	81.10	2.920	105.12
23.50	19.7	Flexure	ksi	-34.20	-1.61	-3.06	8.192	294.92	10.650	383.39
23.80	20.0	Shear	kip	404.69	53.08	92.09	2.100	75.58	2.722	97.98
23.80	20.0	Flexure	ksi	-34.32	-7.73	-11.80	2.253	81.10	2.920	105.12
23.80	20.0	Flexure	ksi	-34.20	-1.47	-2.97	8.471	304.94	11.012	396.43
35.70	30.0	Shear	kip	395.43	35.46	78.21	2.565	92.35	3.325	119.71
35.70	30.0	Flexure	ksi	36.00	3.98	5.68	5.633	202.79	7.302	262.87
35.70	30.0	Flexure	ksi	34.20	3.19	3.25	7.345	264.43	9.549	343.75
47.60	40.0	Shear	kip	395.43	17.84	63.46	3.360	120.95	4.355	156.79
47.60	40.0	Flexure	ksi	36.00	7.48	9.52	2.996	107.87	3.884	139.84
47.60	40.0	Flexure	ksi	34.20	5.98	5.44	3.991	143.67	5.188	186.77
59.50	50.0	Shear	kip	395.43	0.22	48.80	4.627	166.58	5.998	215.94
59.50	50.0	Flexure	ksi	36.00	8.66	11.96	2.285	82.27	2.962	106.65
59.50	50.0	Flexure	ksi	34.20	6.93	6.84	3.069	110.48	3.989	143.62
71.40	60.0	Shear	kip	395.43	-	-46.18	4.624	166.45	5.994	215.77
71.40	60.0	Flexure	ksi	36.00	7.52	12.42	2.293	82.55	2.972	107.01
71.40	60.0	Flexure	ksi	34.20	6.02	7.10	3.055	109.97	3.971	142.96
83.30	70.0	Shear	kip	395.43	-	-61.70	3.257	117.25	4.222	151.99
83.30	70.0	Flexure	ksi	36.00	4.07	10.93	2.920	105.13	3.785	136.28
83.30	70.0	Flexure	ksi	34.20	3.26	6.25	3.810	137.15	4.953	178.29
95.20	80.0	Shear	kip	404.69	- 52.63	-78.36	2.471	88.97	3.204	115.34
95.20	80.0	Flexure	ksi	-35.33	-2.82	-8.15	3.987	143.53	5.168	186.06
95.20	80.0	Flexure	ksi	34.20	-1.36	4.32	6.334	228.01	8.234	296.41
95.50	80.3	Shear	kip	424.98	- 53.07	-78.76	2.602	93.67	3.373	121.43
95.50	80.3	Flexure	ksi	-34.63	-2.82	-8.15	3.902	140.47	5.058	182.09
95.50	80.3	Flexure	ksi	-34.20	-1.50	-3.99	6.299	226.76	8.188	294.78

106.00	89.1	Shear	kip	414.51	-	-93.95	1.999	71.98	2.592	93.31
					68.64					
106.00	89.1	Flexure	ksi	-34.32	-9.07	-10.02	2.521	90.75	3.268	117.64
106.00	89.1	Flexure	ksi	-34.20	-7.14	-5.03	4.135	148.85	5.375	193.51
107.10	90.0	Shear	kip	518.17	-	-95.41	2.577	92.77	3.340	120.26
					70.33					
107.10	90.0	Flexure	ksi	-34.32	-9.07	-10.02	2.521	90.75	3.268	117.64
107.10	90.0	Flexure	ksi	-34.20	-5.46	-3.73	5.932	213.55	7.711	277.61
119.00	100.0	Shear	kip	390.83	90.65	114.29	1.388	49.95	1.799	64.75
119.00	100.0	Flexure	ksi	-35.90	-	-10.38	2.075	74.69	2.689	96.82
					14.36					
119.00	100.0	Flexure	ksi	-34.20	-	-5.23	3.365	121.15	4.375	157.49
					11.31					

Span 4

				Inventory		Inventory		Operating		Operating	
Location				Rating		Load Rating		Rating		Load Rating	
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)	
9.52	10.0	Shear	kip	518.17	75.81	96.94	2.496	89.85	3.235	116.48	
9.52	10.0	Flexure	ksi	-35.90	-	-9.25	2.469	88.87	3.200	115.20	
					13.06						
9.52	10.0	Flexure	ksi	-34.20	-6.42	-3.65	5.856	210.80	7.612	274.04	
13.00	13.6	Shear	kip	414.51	70.46	93.03	2.005	72.19	2.599	93.58	
13.00	13.6	Flexure	ksi	-34.63	-	-9.25	2.331	83.93	3.022	108.80	
					13.06						
13.00	13.6	Flexure	ksi	-34.20	-6.94	-4.61	4.546	163.65	5.910	212.75	
19.05	20.0	Shear	kip	414.51	61.42	86.01	2.244	80.78	2.909	104.71	
19.05	20.0	Flexure	ksi	-34.63	-7.30	-8.73	3.130	112.66	4.057	146.05	
19.05	20.0	Flexure	ksi	-34.20	-3.42	-4.02	5.883	211.79	7.648	275.32	
23.50	24.7	Shear	kip	424.98	54.89	80.71	2.523	90.83	3.271	117.75	
23.50	24.7	Flexure	ksi	-34.63	-7.30	-8.73	3.130	112.66	4.057	146.05	
23.50	24.7	Flexure	ksi	34.20	-1.14	4.34	6.262	225.41	8.140	293.04	
28.58	30.0	Shear	kip	395.43	47.29	74.51	2.579	92.85	3.343	120.37	
28.58	30.0	Flexure	ksi	36.00	1.44	10.08	3.429	123.45	4.445	160.03	
28.58	30.0	Flexure	ksi	34.20	1.15	5.76	4.414	158.92	5.739	206.59	
38.10	40.0	Shear	kip	395.43	33.32	62.63	3.228	116.21	4.185	150.65	
38.10	40.0	Flexure	ksi	36.00	5.69	13.34	2.272	81.80	2.946	106.04	
38.10	40.0	Flexure	ksi	34.20	4.55	7.62	2.992	107.71	3.890	140.03	
47.63	50.0	Shear	kip	395.43	19.18	50.69	4.187	150.74	5.428	195.40	
47.63	50.0	Flexure	ksi	36.00	8.45	15.15	1.818	65.46	2.357	84.86	
47.63	50.0	Flexure	ksi	34.20	6.76	8.66	2.438	87.77	3.169	114.10	

57.15	60.0	Shear	kip	395.43	5.05	38.92	5.713	205.69	7.406	266.63
57.15	60.0	Flexure	ksi	36.00	9.72	15.57	1.688	60.76	2.188	78.77
57.15	60.0	Flexure	ksi	34.20	7.78	8.90	2.285	82.25	2.970	106.92
66.68	70.0	Shear	kip	395.43	-9.09	-	51.42	4.269	153.67	5.533
66.68	70.0	Flexure	ksi	36.00	9.52	14.43	1.835	66.06	2.379	85.64
66.68	70.0	Flexure	ksi	34.20	7.62	8.25	2.480	89.28	3.224	116.06
76.20	80.0	Shear	kip	395.43	-	-	23.06	65.32	3.207	115.46
76.20	80.0	Flexure	ksi	36.00	7.83	11.67	2.414	86.91	3.130	112.67
76.20	80.0	Flexure	ksi	34.20	6.26	6.67	3.223	116.03	4.190	150.83
85.72	90.0	Shear	kip	395.43	-	-	37.19	80.62	2.473	89.04
85.72	90.0	Flexure	ksi	36.00	4.66	6.91	4.539	163.39	5.883	211.80
85.72	90.0	Flexure	ksi	34.20	3.72	3.95	5.940	213.85	7.722	278.00
95.25	100.0	Shear	kip	469.80	-	-	51.33	97.25	2.384	85.81
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00	99.000	3564.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00	99.000	3564.00

Detailed Rating Results

Wizard Alternative

HL-93 (US)

90%(Truck Pair + Lane)

Impact: As Requested

Lane: As Requested

Span 1

							Inventory Inventory Operating Operating			
Location							Rating	Load Rating	Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	0.00	99.000	3564.00	99.000	3564.00
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00	99.000	3564.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00	99.000	3564.00
9.52	10.0	Shear	kip	395.43	37.15	0.00	99.000	3564.00	99.000	3564.00
9.52	10.0	Flexure	ksi	-36.00	4.66	0.00	99.000	3564.00	99.000	3564.00
9.52	10.0	Flexure	ksi	-34.20	-3.22	0.00	99.000	3564.00	99.000	3564.00
19.05	20.0	Shear	kip	395.43	23.17	0.00	99.000	3564.00	99.000	3564.00
19.05	20.0	Flexure	ksi	-36.00	7.83	0.00	99.000	3564.00	99.000	3564.00
19.05	20.0	Flexure	ksi	-34.20	-5.41	0.00	99.000	3564.00	99.000	3564.00
28.58	30.0	Shear	kip	395.43	9.04	0.00	99.000	3564.00	99.000	3564.00

28.58	30.0	Flexure	ksi	-36.00	9.52	0.00	99.000	3564.00	99.000	3564.00
28.58	30.0	Flexure	ksi	-34.20	-6.58	0.00	99.000	3564.00	99.000	3564.00
38.10	40.0	Shear	kip	395.43	-5.09	0.00	99.000	3564.00	99.000	3564.00
38.10	40.0	Flexure	ksi	-36.00	9.72	0.00	99.000	3564.00	99.000	3564.00
38.10	40.0	Flexure	ksi	-34.20	-6.72	0.00	99.000	3564.00	99.000	3564.00
47.63	50.0	Shear	kip	395.43	-	0.00	99.000	3564.00	99.000	3564.00
					19.23					
47.63	50.0	Flexure	ksi	-36.00	8.45	0.00	99.000	3564.00	99.000	3564.00
47.63	50.0	Flexure	ksi	-34.20	-5.83	0.00	99.000	3564.00	99.000	3564.00
57.15	60.0	Shear	kip	395.43	-	0.00	99.000	3564.00	99.000	3564.00
					33.20					
57.15	60.0	Flexure	ksi	-36.00	5.68	0.00	99.000	3564.00	99.000	3564.00
57.15	60.0	Flexure	ksi	-34.20	-3.92	0.00	99.000	3564.00	99.000	3564.00
66.68	70.0	Shear	kip	395.43	-	0.00	99.000	3564.00	99.000	3564.00
					47.34					
66.68	70.0	Flexure	ksi	-36.00	1.44	0.00	99.000	3564.00	99.000	3564.00
66.68	70.0	Flexure	ksi	-34.20	-0.98	0.00	99.000	3564.00	99.000	3564.00
71.75	75.3	Shear	kip	424.98	-	0.00	99.000	3564.00	99.000	3564.00
					54.94					
71.75	75.3	Flexure	ksi	-33.94	-8.82	-9.94	2.527	90.98	3.276	117.93
71.75	75.3	Flexure	ksi	-34.20	-1.14	-3.40	7.490	269.63	9.737	350.52
76.20	80.0	Shear	kip	414.51	-	0.00	99.000	3564.00	99.000	3564.00
					61.47					
76.20	80.0	Flexure	ksi	-33.94	-8.82	-9.94	2.527	90.98	3.276	117.93
76.20	80.0	Flexure	ksi	-34.20	-3.42	-3.70	6.405	230.57	8.326	299.74
82.25	86.4	Shear	kip	414.51	-	0.00	99.000	3564.00	99.000	3564.00
					70.35					
82.25	86.4	Flexure	ksi	-33.94	-8.82	-9.94	2.527	90.98	3.276	117.93
82.25	86.4	Flexure	ksi	-34.20	-6.94	-5.00	4.197	151.09	5.456	196.41
85.72	90.0	Shear	kip	518.17	-	0.00	99.000	3564.00	99.000	3564.00
					75.86					
85.72	90.0	Flexure	ksi	-35.90	-	-	1.569	56.50	2.034	73.24
					14.36	13.73				
85.72	90.0	Flexure	ksi	-34.20	-6.42	-4.34	4.920	177.12	6.396	230.26
95.25	100.0	Shear	kip	518.17	-	0.00	99.000	3564.00	99.000	3564.00
					90.54					
95.25	100.0	Flexure	ksi	-35.90	-	-	1.569	56.50	2.034	73.24
					14.36	13.73				
95.25	100.0	Flexure	ksi	-34.20	-	-6.92	2.546	91.64	3.309	119.14
					11.31					

Span 2

Location	Inventory Inventory Operating Operating			
	Rating	Load Rating	Rating	Load Rating

(ft)	Percent	Limit State	Units	Capacity	DL + Adj- LL*	LL	Factor	(Ton)	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	0.00	99.000	3564.00	99.000	3564.00
11.90	10.0	Flexure	ksi	-35.90	- 12.96	- 12.58	1.824	65.67	2.365	85.12
11.90	10.0	Flexure	ksi	-34.20	-5.46	-4.00	5.532	199.14	7.191	258.89
13.00	10.9	Shear	kip	518.17	68.74	0.00	99.000	3564.00	99.000	3564.00
13.00	10.9	Flexure	ksi	-34.63	- 12.96	- 12.58	1.723	62.03	2.234	80.41
13.00	10.9	Flexure	ksi	-34.20	-7.14	-5.28	3.946	142.07	5.130	184.69
23.50	19.7	Shear	kip	424.98	53.18	0.00	99.000	3564.00	99.000	3564.00
23.50	19.7	Flexure	ksi	-34.63	-8.26 10.01	- 10.01	2.635	94.84	3.415	122.95
23.50	19.7	Flexure	ksi	-34.20	-1.50	-3.60	6.981	251.31	9.075	326.71
23.80	20.0	Shear	kip	404.69	52.74	0.00	99.000	3564.00	99.000	3564.00
23.80	20.0	Flexure	ksi	-35.33	-8.26 10.01	- 10.01	2.704	97.34	3.505	126.18
23.80	20.0	Flexure	ksi	-34.20	-1.36	-3.58	7.058	254.08	9.175	330.31
35.70	30.0	Shear	kip	395.43	35.12	0.00	99.000	3564.00	99.000	3564.00
35.70	30.0	Flexure	ksi	-36.00	4.07	0.00	99.000	3564.00	99.000	3564.00
35.70	30.0	Flexure	ksi	-34.20	-2.79	0.00	99.000	3564.00	99.000	3564.00
47.60	40.0	Shear	kip	395.43	17.50	0.00	99.000	3564.00	99.000	3564.00
47.60	40.0	Flexure	ksi	-36.00	7.52	0.00	99.000	3564.00	99.000	3564.00
47.60	40.0	Flexure	ksi	-34.20	-5.18	0.00	99.000	3564.00	99.000	3564.00
59.50	50.0	Shear	kip	395.43	-0.12	0.00	99.000	3564.00	99.000	3564.00
59.50	50.0	Flexure	ksi	-36.00	8.66	0.00	99.000	3564.00	99.000	3564.00
59.50	50.0	Flexure	ksi	-34.20	-5.97	0.00	99.000	3564.00	99.000	3564.00
71.40	60.0	Shear	kip	395.43	- 17.74	0.00	99.000	3564.00	99.000	3564.00
71.40	60.0	Flexure	ksi	-36.00	7.48	0.00	99.000	3564.00	99.000	3564.00
71.40	60.0	Flexure	ksi	-34.20	-5.15	0.00	99.000	3564.00	99.000	3564.00
83.30	70.0	Shear	kip	395.43	- 35.35	0.00	99.000	3564.00	99.000	3564.00
83.30	70.0	Flexure	ksi	-36.00	3.98	0.00	99.000	3564.00	99.000	3564.00
83.30	70.0	Flexure	ksi	-34.20	-2.73	0.00	99.000	3564.00	99.000	3564.00
95.20	80.0	Shear	kip	404.69	-	0.00	99.000	3564.00	99.000	3564.00
95.20	80.0	Flexure	ksi	-35.33	-2.96	-6.26	5.173	186.22	6.705	241.39
95.20	80.0	Flexure	ksi	-34.20	-1.47	-2.67	9.425	339.29	12.252	441.07
95.50	80.3	Shear	kip	424.98	-	0.00	99.000	3564.00	99.000	3564.00
95.50	80.3	Flexure	ksi	-34.63	-2.96	-6.26	5.062	182.23	6.562	236.22
95.50	80.3	Flexure	ksi	-34.20	-1.61	-2.74	9.146	329.27	11.890	428.05
104.00	87.4	Shear	kip	414.51		0.00	99.000	3564.00	99.000	3564.00

					-						
					66.04						
104.00	87.4	Flexure	ksi	-34.32	-7.73	-	2.504	90.15	3.246	116.86	
104.00	87.4	Flexure	ksi	-34.20	-6.08	-5.34	4.052	145.89	5.268	189.66	
107.10	90.0	Shear	kip	518.17	-	0.00	99.000	3564.00	99.000	3564.00	
					70.82						
107.10	90.0	Flexure	ksi	-34.32	-7.73	-	2.504	90.15	3.246	116.86	
107.10	90.0	Flexure	ksi	-34.20	-5.56	-4.60	4.788	172.36	6.224	224.07	
119.00	100.0	Shear	kip	518.17	-	0.00	99.000	3564.00	99.000	3564.00	
					89.32						
119.00	100.0	Flexure	ksi	-35.90	-	-	1.349	48.58	1.749	62.97	
					14.53	15.84					
119.00	100.0	Flexure	ksi	-34.20	-	-7.98	2.193	78.96	2.851	102.65	
					11.44						

Span 3

							Inventory	Inventory	Operating	Operating	
							Rating	Load	Rating	Load	
								Rating		Rating	
Location											
(ft)	Percent	Limit State	Units	Capacity	DL + Adj- LL*	LL	Factor	(Ton)	Factor	(Ton)	
11.90	10.0	Shear	kip	518.17	70.92	0.00	99.000	3564.00	99.000	3564.00	
11.90	10.0	Flexure	ksi	-35.90	-	-	1.539	55.41	1.995	71.82	
					13.25	14.72					
11.90	10.0	Flexure	ksi	-34.20	-5.56	-4.62	4.773	171.84	6.205	223.40	
15.00	12.6	Shear	kip	518.17	65.99	0.00	99.000	3564.00	99.000	3564.00	
15.00	12.6	Flexure	ksi	-34.32	-7.73	-	2.508	90.27	3.251	117.02	
					10.60						
15.00	12.6	Flexure	ksi	-34.20	-6.08	-5.33	4.058	146.09	5.276	189.92	
23.50	19.7	Shear	kip	424.98	53.52	0.00	99.000	3564.00	99.000	3564.00	
23.50	19.7	Flexure	ksi	-34.32	-7.73	-	2.508	90.27	3.251	117.02	
					10.60						
23.50	19.7	Flexure	ksi	-34.20	-1.61	-2.75	9.103	327.71	11.834	426.03	
23.80	20.0	Shear	kip	404.69	53.08	0.00	99.000	3564.00	99.000	3564.00	
23.80	20.0	Flexure	ksi	-34.32	-7.73	-	2.508	90.27	3.251	117.02	
					10.60						
23.80	20.0	Flexure	ksi	-34.20	-1.47	-2.67	9.417	339.01	12.242	440.71	
35.70	30.0	Shear	kip	395.43	35.46	0.00	99.000	3564.00	99.000	3564.00	
35.70	30.0	Flexure	ksi	-36.00	3.98	0.00	99.000	3564.00	99.000	3564.00	
35.70	30.0	Flexure	ksi	-34.20	-2.73	0.00	99.000	3564.00	99.000	3564.00	
47.60	40.0	Shear	kip	395.43	17.84	0.00	99.000	3564.00	99.000	3564.00	
47.60	40.0	Flexure	ksi	-36.00	7.48	0.00	99.000	3564.00	99.000	3564.00	

47.60	40.0	Flexure	ksi	-34.20	-5.15	0.00	99.000	3564.00	99.000	3564.00
59.50	50.0	Shear	kip	395.43	0.22	0.00	99.000	3564.00	99.000	3564.00
59.50	50.0	Flexure	ksi	-36.00	8.66	0.00	99.000	3564.00	99.000	3564.00
59.50	50.0	Flexure	ksi	-34.20	-5.97	0.00	99.000	3564.00	99.000	3564.00
71.40	60.0	Shear	kip	395.43	-	0.00	99.000	3564.00	99.000	3564.00
					17.40					
71.40	60.0	Flexure	ksi	-36.00	7.52	0.00	99.000	3564.00	99.000	3564.00
71.40	60.0	Flexure	ksi	-34.20	-5.18	0.00	99.000	3564.00	99.000	3564.00
83.30	70.0	Shear	kip	395.43	-	0.00	99.000	3564.00	99.000	3564.00
					35.01					
83.30	70.0	Flexure	ksi	-36.00	4.07	0.00	99.000	3564.00	99.000	3564.00
83.30	70.0	Flexure	ksi	-34.20	-2.79	0.00	99.000	3564.00	99.000	3564.00
95.20	80.0	Shear	kip	404.69	-	0.00	99.000	3564.00	99.000	3564.00
					52.63					
95.20	80.0	Flexure	ksi	-35.33	-2.82	-7.43	4.377	157.59	5.675	204.28
95.20	80.0	Flexure	ksi	-34.20	-1.36	-3.58	7.052	253.86	9.167	330.02
95.50	80.3	Shear	kip	424.98	-	0.00	99.000	3564.00	99.000	3564.00
					53.07					
95.50	80.3	Flexure	ksi	-34.63	-2.82	-7.43	4.284	154.23	5.553	199.92
95.50	80.3	Flexure	ksi	-34.20	-1.50	-3.61	6.973	251.01	9.064	326.32
106.00	89.1	Shear	kip	414.51	-	0.00	99.000	3564.00	99.000	3564.00
					68.64					
106.00	89.1	Flexure	ksi	-34.32	-9.07	-	2.404	86.53	3.116	112.16
					10.50					
106.00	89.1	Flexure	ksi	-34.20	-7.14	-5.28	3.942	141.93	5.125	184.51
107.10	90.0	Shear	kip	518.17	-	0.00	99.000	3564.00	99.000	3564.00
					70.33					
107.10	90.0	Flexure	ksi	-34.32	-9.07	-	2.404	86.53	3.116	112.16
					10.50					
107.10	90.0	Flexure	ksi	-34.20	-5.46	-4.00	5.530	199.09	7.189	258.82
119.00	100.0	Shear	kip	518.17	-	0.00	99.000	3564.00	99.000	3564.00
					88.83					
119.00	100.0	Flexure	ksi	-35.90	-	-	1.568	56.46	2.033	73.19
					14.36	13.74				
119.00	100.0	Flexure	ksi	-34.20	-	-6.92	2.544	91.59	3.307	119.06
					11.31					

Span 4

				Inventory		Inventory		Operating		Operating	
Location				Rating		Load Rating		Rating		Load Rating	
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)	
9.52	10.0	Shear	kip	518.17	75.81	0.00	99.000	3564.00	99.000	3564.00	

9.52	10.0	Flexure	ksi	-35.90	-	-	1.808	65.09	2.344	84.37
					13.06	12.63				
9.52	10.0	Flexure	ksi	-34.20	-6.42	-4.35	4.913	176.86	6.387	229.92
13.00	13.6	Shear	kip	518.17	70.46	0.00	99.000	3564.00	99.000	3564.00
13.00	13.6	Flexure	ksi	-34.63	-	-	1.708	61.47	2.213	79.68
					13.06	12.63				
13.00	13.6	Flexure	ksi	-34.20	-6.94	-5.01	4.188	150.78	5.445	196.02
19.05	20.0	Shear	kip	414.51	61.42	0.00	99.000	3564.00	99.000	3564.00
19.05	20.0	Flexure	ksi	-34.63	-7.30	-8.96	3.051	109.85	3.955	142.40
19.05	20.0	Flexure	ksi	-34.20	-3.42	-3.71	6.389	230.01	8.306	299.02
23.50	24.7	Shear	kip	424.98	54.89	0.00	99.000	3564.00	99.000	3564.00
23.50	24.7	Flexure	ksi	-34.63	-7.30	-8.96	3.051	109.85	3.955	142.40
23.50	24.7	Flexure	ksi	-34.20	-1.14	-3.40	7.473	269.03	9.715	349.74
28.58	30.0	Shear	kip	395.43	47.29	0.00	99.000	3564.00	99.000	3564.00
28.58	30.0	Flexure	ksi	-36.00	1.44	0.00	99.000	3564.00	99.000	3564.00
28.58	30.0	Flexure	ksi	-34.20	-0.98	0.00	99.000	3564.00	99.000	3564.00
38.10	40.0	Shear	kip	395.43	33.32	0.00	99.000	3564.00	99.000	3564.00
38.10	40.0	Flexure	ksi	-36.00	5.69	0.00	99.000	3564.00	99.000	3564.00
38.10	40.0	Flexure	ksi	-34.20	-3.92	0.00	99.000	3564.00	99.000	3564.00
47.63	50.0	Shear	kip	395.43	19.18	0.00	99.000	3564.00	99.000	3564.00
47.63	50.0	Flexure	ksi	-36.00	8.45	0.00	99.000	3564.00	99.000	3564.00
47.63	50.0	Flexure	ksi	-34.20	-5.83	0.00	99.000	3564.00	99.000	3564.00
57.15	60.0	Shear	kip	395.43	5.05	0.00	99.000	3564.00	99.000	3564.00
57.15	60.0	Flexure	ksi	-36.00	9.72	0.00	99.000	3564.00	99.000	3564.00
57.15	60.0	Flexure	ksi	-34.20	-6.72	0.00	99.000	3564.00	99.000	3564.00
66.68	70.0	Shear	kip	395.43	-9.09	0.00	99.000	3564.00	99.000	3564.00
66.68	70.0	Flexure	ksi	-36.00	9.52	0.00	99.000	3564.00	99.000	3564.00
66.68	70.0	Flexure	ksi	-34.20	-6.58	0.00	99.000	3564.00	99.000	3564.00
76.20	80.0	Shear	kip	395.43	-	0.00	99.000	3564.00	99.000	3564.00
					23.06					
76.20	80.0	Flexure	ksi	-36.00	7.83	0.00	99.000	3564.00	99.000	3564.00
76.20	80.0	Flexure	ksi	-34.20	-5.41	0.00	99.000	3564.00	99.000	3564.00
85.72	90.0	Shear	kip	395.43	-	0.00	99.000	3564.00	99.000	3564.00
					37.19					
85.72	90.0	Flexure	ksi	-36.00	4.66	0.00	99.000	3564.00	99.000	3564.00
85.72	90.0	Flexure	ksi	-34.20	-3.22	0.00	99.000	3564.00	99.000	3564.00
95.25	100.0	Shear	kip	469.80	-	0.00	99.000	3564.00	99.000	3564.00
					51.33					
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00	99.000	3564.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00	99.000	3564.00

Detailed Rating Results
Wizard Alternative
HL-93 (US)

Tandem + Lane
Impact: As Requested
Lane: As Requested

Span 1

Location							Inventory Rating	Inventory Load Rating	Operating Rating	Operating Load Rating
		Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	75.64	1.475	53.09	1.912	68.83
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00	99.000	3564.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00	99.000	3564.00
9.52	10.0	Shear	kip	395.43	37.15	63.82	3.125	112.50	4.051	145.83
9.52	10.0	Flexure	ksi	36.00	4.66	5.77	5.430	195.49	7.039	253.42
9.52	10.0	Flexure	ksi	34.20	3.73	3.30	7.108	255.87	9.240	332.63
19.05	20.0	Shear	kip	395.43	23.17	52.76	3.969	142.87	5.145	185.20
19.05	20.0	Flexure	ksi	36.00	7.83	9.88	2.850	102.59	3.694	132.99
19.05	20.0	Flexure	ksi	34.20	6.26	5.65	3.804	136.96	4.946	178.04
28.58	30.0	Shear	kip	395.43	9.04	42.54	5.159	185.74	6.688	240.77
28.58	30.0	Flexure	ksi	36.00	9.52	12.39	2.137	76.94	2.770	99.74
28.58	30.0	Flexure	ksi	34.20	7.61	7.08	2.888	103.98	3.755	135.17
38.10	40.0	Shear	kip	395.43	-5.09	-	6.460	232.57	8.374	301.48
38.10	40.0	Flexure	ksi	36.00	9.72	13.39	1.963	70.66	2.544	91.60
38.10	40.0	Flexure	ksi	34.20	7.78	7.65	2.657	95.65	3.454	124.34
47.63	50.0	Shear	kip	395.43	-	-	4.872	175.40	6.316	227.37
47.63	50.0	Flexure	ksi	36.00	8.45	13.05	2.111	75.98	2.736	98.50
47.63	50.0	Flexure	ksi	34.20	6.76	7.46	2.830	101.88	3.679	132.44
57.15	60.0	Shear	kip	395.43	-	-	3.803	136.92	4.930	177.48
57.15	60.0	Flexure	ksi	36.00	5.68	11.52	2.633	94.77	3.413	122.85
57.15	60.0	Flexure	ksi	34.20	4.55	6.58	3.466	124.79	4.506	162.22
66.68	70.0	Shear	kip	395.43	47.34	63.08	3.046	109.65	3.948	142.15
66.68	70.0	Flexure	ksi	36.00	1.44	8.87	3.896	140.25	5.050	181.81
66.68	70.0	Flexure	ksi	34.20	1.15	5.07	5.015	180.54	6.520	234.71
71.75	75.3	Shear	kip	424.98	54.94	68.77	2.960	106.58	3.838	138.15
71.75	75.3	Flexure	ksi	-33.94	-8.82	-7.54	3.330	119.87	4.316	155.39
71.75	75.3	Flexure	ksi	34.20	-1.14	3.92	6.939	249.80	9.020	324.73
76.20	80.0	Shear	kip	414.51	61.47	73.02	2.643	95.14	3.426	123.32

76.20	80.0	Flexure	ksi	-33.94	-8.82	-7.54	3.330	119.87	4.316	155.39
76.20	80.0	Flexure	ksi	-34.20	-3.42	-3.26	7.253	261.09	9.428	339.42
82.25	86.4	Shear	kip	414.51	-	-	2.345	84.42	3.040	109.43
					70.35	79.58				
82.25	86.4	Flexure	ksi	-33.94	-8.82	-7.54	3.330	119.87	4.316	155.39
82.25	86.4	Flexure	ksi	-34.20	-6.94	-3.79	5.530	199.08	7.189	258.80
85.72	90.0	Shear	kip	518.17	-	-	2.923	105.21	3.789	136.39
					75.86	82.77				
85.72	90.0	Flexure	ksi	-35.90	-	-8.81	2.444	87.99	3.168	114.06
					14.36					
85.72	90.0	Flexure	ksi	-34.20	-6.42	-3.03	7.043	253.54	9.156	329.61
95.25	100.0	Shear	kip	390.83	88.94	91.48	1.747	62.89	2.264	81.52
95.25	100.0	Flexure	ksi	-35.90	-	-8.81	2.444	87.99	3.168	114.06
					14.36					
95.25	100.0	Flexure	ksi	-34.20	-	-4.44	3.965	142.73	5.154	185.54
					11.31					

Span 2

							Inventory	Inventory	Operating	Operating
							Rating	Load	Rating	Load
								Rating		Rating
Location										
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	74.80	3.286	118.30	4.260	153.35
11.90	10.0	Flexure	ksi	-35.90	-	-8.26	2.778	100.01	3.601	129.65
					12.96					
11.90	10.0	Flexure	ksi	-34.20	-5.46	-3.06	7.231	260.32	9.400	338.42
13.00	10.9	Shear	kip	414.51	68.74	73.72	2.547	91.69	3.302	118.86
13.00	10.9	Flexure	ksi	-34.63	-	-8.26	2.624	94.48	3.402	122.47
					12.96					
13.00	10.9	Flexure	ksi	-34.20	-7.14	-4.12	5.054	181.96	6.571	236.54
23.50	19.7	Shear	kip	424.98	53.18	63.30	3.236	116.51	4.195	151.03
23.50	19.7	Flexure	ksi	-34.63	-8.26	-7.95	3.316	119.36	4.298	154.73
23.50	19.7	Flexure	ksi	34.20	-1.50	3.85	7.133	256.79	9.273	333.82
23.80	20.0	Shear	kip	404.69	52.74	63.00	3.073	110.63	3.983	143.40
23.80	20.0	Flexure	ksi	-35.33	-8.26	-7.95	3.403	122.50	4.411	158.80
23.80	20.0	Flexure	ksi	34.20	-1.36	3.90	7.006	252.21	9.107	327.87
35.70	30.0	Shear	kip	395.43	35.12	51.14	3.928	141.42	5.092	183.32
35.70	30.0	Flexure	ksi	36.00	4.07	9.57	3.337	120.13	4.326	155.73
35.70	30.0	Flexure	ksi	34.20	3.26	5.47	4.353	156.72	5.659	203.74
47.60	40.0	Shear	kip	395.43	17.50	39.75	5.370	193.30	6.960	250.58
47.60	40.0	Flexure	ksi	36.00	7.52	10.83	2.629	94.63	3.407	122.66
47.60	40.0	Flexure	ksi	34.20	6.02	6.19	3.502	126.06	4.552	163.88

59.50	50.0	Shear	kip	395.43	-0.12	-	5.471	196.96	7.092	255.32
						41.29				
59.50	50.0	Flexure	ksi	36.00	8.66	10.43	2.620	94.33	3.397	122.28
59.50	50.0	Flexure	ksi	34.20	6.93	5.96	3.519	126.67	4.574	164.67
71.40	60.0	Shear	kip	395.43	-	-	4.003	144.12	5.189	186.82
					17.74	53.28				
71.40	60.0	Flexure	ksi	36.00	7.48	8.42	3.388	121.96	4.392	158.10
71.40	60.0	Flexure	ksi	34.20	5.98	4.81	4.512	162.43	5.866	211.16
83.30	70.0	Shear	kip	395.43	-	-	3.059	110.14	3.966	142.77
					35.35	65.60				
83.30	70.0	Flexure	ksi	36.00	3.98	5.38	5.953	214.29	7.716	277.79
83.30	70.0	Flexure	ksi	34.20	3.19	3.07	7.762	279.43	10.091	363.26
95.20	80.0	Shear	kip	404.69	-	-	2.496	89.85	3.235	116.47
					52.97	77.50				
95.20	80.0	Flexure	ksi	-35.33	-2.96	-5.63	5.746	206.84	7.448	268.13
95.20	80.0	Flexure	ksi	-34.20	-1.47	-2.40	10.496	377.87	13.645	491.23
95.50	80.3	Shear	kip	424.98	-	-	2.632	94.77	3.412	122.85
					53.41	77.76				
95.50	80.3	Flexure	ksi	-34.63	-2.96	-5.63	5.623	202.41	7.289	262.39
95.50	80.3	Flexure	ksi	-34.20	-1.61	-2.47	10.149	365.36	13.194	474.97
104.00	87.4	Shear	kip	414.51	-	-	2.209	79.54	2.864	103.11
					66.04	85.85				
104.00	87.4	Flexure	ksi	-34.32	-7.73	-9.52	2.791	100.49	3.618	130.26
104.00	87.4	Flexure	ksi	-34.20	-6.08	-4.79	4.517	162.62	5.872	211.41
107.10	90.0	Shear	kip	518.17	-	-	2.782	100.14	3.606	129.81
					70.82	88.26				
107.10	90.0	Flexure	ksi	-34.32	-7.73	-9.52	2.791	100.49	3.618	130.26
107.10	90.0	Flexure	ksi	-34.20	-5.56	-4.15	5.313	191.27	6.907	248.65
119.00	100.0	Shear	kip	390.83	89.42	97.45	1.636	58.91	2.121	76.36
119.00	100.0	Flexure	ksi	-35.90	-	-	1.496	53.84	1.939	69.79
					14.53	14.29				
119.00	100.0	Flexure	ksi	-34.20	-	-7.20	2.431	87.52	3.160	113.77
					11.44					

Span 3

				Inventory		Inventory		Operating		Operating	
Location				Rating		Load Rating		Rating		Load Rating	
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)	
11.90	10.0	Shear	kip	518.17	70.92	83.79	2.929	105.45	3.797	136.70	
11.90	10.0	Flexure	ksi	-35.90	-	-	1.706	61.42	2.212	79.62	
					13.25	13.28					
11.90	10.0	Flexure	ksi	-34.20	-5.56	-4.15	5.313	191.27	6.907	248.66	

15.00	12.6	Shear	kip	414.51	65.99	81.53	2.327	83.78	3.017	108.60
15.00	12.6	Flexure	ksi	-34.32	-7.73	-9.54	2.788	100.37	3.614	130.11
15.00	12.6	Flexure	ksi	-34.20	-6.08	-4.79	4.512	162.43	5.866	211.16
23.50	19.7	Shear	kip	424.98	53.52	74.76	2.737	98.53	3.548	127.73
23.50	19.7	Flexure	ksi	-34.32	-7.73	-9.54	2.788	100.37	3.614	130.11
23.50	19.7	Flexure	ksi	-34.20	-1.61	-2.47	10.150	365.39	13.195	475.01
23.80	20.0	Shear	kip	404.69	53.08	74.50	2.595	93.42	3.364	121.10
23.80	20.0	Flexure	ksi	-34.32	-7.73	-9.54	2.788	100.37	3.614	130.11
23.80	20.0	Flexure	ksi	-34.20	-1.47	-2.40	10.502	378.07	13.653	491.49
35.70	30.0	Shear	kip	395.43	35.46	63.89	3.140	113.05	4.071	146.55
35.70	30.0	Flexure	ksi	36.00	3.98	5.39	5.941	213.87	7.701	277.24
35.70	30.0	Flexure	ksi	34.20	3.19	3.08	7.747	278.88	10.071	362.54
47.60	40.0	Shear	kip	395.43	17.84	52.57	4.056	146.01	5.258	189.28
47.60	40.0	Flexure	ksi	36.00	7.48	8.43	3.385	121.85	4.388	157.96
47.60	40.0	Flexure	ksi	34.20	5.98	4.81	4.508	162.28	5.860	210.97
59.50	50.0	Shear	kip	395.43	0.22	41.28	5.470	196.91	7.090	255.26
59.50	50.0	Flexure	ksi	36.00	8.66	10.44	2.619	94.28	3.395	122.21
59.50	50.0	Flexure	ksi	34.20	6.93	5.97	3.517	126.60	4.572	164.58
71.40	60.0	Shear	kip	395.43	-	-	5.301	190.84	6.872	247.39
					17.40	40.28				
71.40	60.0	Flexure	ksi	36.00	7.52	10.83	2.630	94.68	3.409	122.73
71.40	60.0	Flexure	ksi	34.20	6.02	6.19	3.504	126.13	4.555	163.97
83.30	70.0	Shear	kip	395.43	-	-	3.828	137.79	4.962	178.62
					35.01	52.50				
83.30	70.0	Flexure	ksi	36.00	4.07	9.56	3.339	120.22	4.329	155.83
83.30	70.0	Flexure	ksi	34.20	3.26	5.46	4.356	156.83	5.663	203.88
95.20	80.0	Shear	kip	404.69	52.63	65.52	2.956	106.40	3.831	137.93
95.20	80.0	Flexure	ksi	-35.33	-2.82	-6.59	4.936	177.71	6.399	230.36
95.20	80.0	Flexure	ksi	34.20	-1.36	3.90	7.014	252.50	9.118	328.26
95.50	80.3	Shear	kip	424.98	53.07	65.83	3.113	112.07	4.035	145.27
95.50	80.3	Flexure	ksi	-34.63	-2.82	-6.59	4.831	173.91	6.262	225.44
95.50	80.3	Flexure	ksi	34.20	-1.50	3.85	7.139	257.01	9.281	334.11
106.00	89.1	Shear	kip	414.51	68.64	77.65	2.419	87.08	3.136	112.88
106.00	89.1	Flexure	ksi	-34.32	-9.07	-8.19	3.081	110.93	3.994	143.80
106.00	89.1	Flexure	ksi	-34.20	-7.14	-4.12	5.054	181.96	6.571	236.54
107.10	90.0	Shear	kip	518.17	-	-	3.120	112.33	4.045	145.61
					70.33	78.79				
107.10	90.0	Flexure	ksi	-34.32	-9.07	-8.19	3.081	110.93	3.994	143.80
107.10	90.0	Flexure	ksi	-34.20	-5.46	-3.06	7.232	260.34	9.401	338.44
119.00	100.0	Shear	kip	390.83	90.65	92.68	1.711	61.60	2.218	79.85
119.00	100.0	Flexure	ksi	-35.90	-	-8.81	2.444	87.99	3.168	114.06

					-						
					14.36						
119.00	100.0	Flexure	ksi	-34.20	-	-4.44	3.965	142.73	5.154	185.55	
					11.31						
Span 4											
Inventory Inventory Operating Operating											
Location							Rating	Load Rating	Rating	Load Rating	
(ft)	Percent	Limit State	Units	Capacity	DL + Adj-LL*	LL	Factor	(Ton)	Factor	(Ton)	
9.52	10.0	Shear	kip	518.17	75.81	78.85	3.068	110.46	3.978	143.19	
9.52	10.0	Flexure	ksi	-35.90	-	-7.89	2.894	104.18	3.751	135.05	
					13.06						
9.52	10.0	Flexure	ksi	-34.20	-6.42	-3.04	7.040	253.43	9.152	329.45	
13.00	13.6	Shear	kip	414.51	70.46	75.81	2.461	88.58	3.190	114.83	
13.00	13.6	Flexure	ksi	-34.63	-	-7.89	2.733	98.39	3.543	127.54	
					13.06						
13.00	13.6	Flexure	ksi	-34.20	-6.94	-3.79	5.527	198.98	7.186	258.68	
19.05	20.0	Shear	kip	414.51	61.42	70.39	2.742	98.70	3.554	127.95	
19.05	20.0	Flexure	ksi	-34.63	-7.30	-7.14	3.826	137.75	4.960	178.57	
19.05	20.0	Flexure	ksi	-34.20	-3.42	-3.27	7.250	261.00	9.425	339.30	
23.50	24.7	Shear	kip	424.98	54.89	66.30	3.071	110.56	3.981	143.32	
23.50	24.7	Flexure	ksi	-34.63	-7.30	-7.14	3.826	137.75	4.960	178.57	
23.50	24.7	Flexure	ksi	34.20	-1.14	3.92	6.943	249.96	9.026	324.95	
28.58	30.0	Shear	kip	395.43	47.29	61.55	3.122	112.40	4.047	145.70	
28.58	30.0	Flexure	ksi	36.00	1.44	8.87	3.897	140.29	5.051	181.85	
28.58	30.0	Flexure	ksi	34.20	1.15	5.07	5.016	180.59	6.521	234.76	
38.10	40.0	Shear	kip	395.43	33.32	52.52	3.849	138.57	4.990	179.62	
38.10	40.0	Flexure	ksi	36.00	5.69	11.52	2.633	94.77	3.413	122.85	
38.10	40.0	Flexure	ksi	34.20	4.55	6.58	3.466	124.79	4.506	162.22	
47.63	50.0	Shear	kip	395.43	19.18	43.56	4.873	175.42	6.316	227.39	
47.63	50.0	Flexure	ksi	36.00	8.45	13.05	2.111	75.99	2.736	98.51	
47.63	50.0	Flexure	ksi	34.20	6.76	7.46	2.830	101.89	3.679	132.45	
57.15	60.0	Shear	kip	395.43	5.05	34.84	6.382	229.74	8.273	297.81	
57.15	60.0	Flexure	ksi	36.00	9.72	13.38	1.963	70.68	2.545	91.62	
57.15	60.0	Flexure	ksi	34.20	7.78	7.65	2.658	95.67	3.455	124.37	
66.68	70.0	Shear	kip	395.43	-9.09	-	5.032	181.17	6.524	234.85	
					43.61						
66.68	70.0	Flexure	ksi	36.00	9.52	12.39	2.137	76.92	2.770	99.71	
66.68	70.0	Flexure	ksi	34.20	7.62	7.08	2.888	103.95	3.754	135.14	
76.20	80.0	Shear	kip	395.43	-	-	3.828	137.80	4.962	178.63	
					23.06	54.73					

76.20	80.0	Flexure	ksi	36.00	7.83	9.88	2.850	102.61	3.695	133.01
76.20	80.0	Flexure	ksi	34.20	6.26	5.65	3.805	136.97	4.946	178.07
85.72	90.0	Shear	kip	395.43	-	-	2.976	107.14	3.858	138.89
					37.19	67.00				
85.72	90.0	Flexure	ksi	36.00	4.66	5.77	5.430	195.49	7.039	253.42
85.72	90.0	Flexure	ksi	34.20	3.72	3.30	7.108	255.87	9.240	332.63
95.25	100.0	Shear	kip	469.80	-	-	2.885	103.86	3.740	134.63
					51.33	80.34				
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00	99.000	3564.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00	99.000	3564.00

Detailed Rating Results**Wizard Alternative****OH-2F1****Axle Load****Impact: As Requested****Lane: As Requested****Span 1**

							Legal	Legal
							Rating	Load
Location								Rating
(ft)	Percent	Limit	Units	Capacity	DL + Adj	LL	Factor	(Ton)
		State			-LL*			
0.00	0.0	Shear	kip	259.32	51.28	31.71	4.736	71.04
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	1485.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	1485.00
9.52	10.0	Shear	kip	395.43	37.15	27.47	9.771	146.57
9.52	10.0	Flexure	ksi	36.00	4.66	1.78	17.568	263.52
9.52	10.0	Flexure	ksi	34.20	3.73	1.37	17.081	256.22
19.05	20.0	Shear	kip	395.43	23.17	23.32	12.088	181.32
19.05	20.0	Flexure	ksi	36.00	7.83	3.03	9.301	139.52
19.05	20.0	Flexure	ksi	34.20	6.26	2.33	9.224	138.36
28.58	30.0	Shear	kip	395.43	9.04	19.30	15.310	229.65
28.58	30.0	Flexure	ksi	36.00	9.52	3.76	7.044	105.66
28.58	30.0	Flexure	ksi	34.20	7.61	2.89	7.071	106.07
38.10	40.0	Shear	kip	395.43	-5.09	-15.07	19.862	297.93
38.10	40.0	Flexure	ksi	36.00	9.72	4.02	6.539	98.08
38.10	40.0	Flexure	ksi	34.20	7.78	3.09	6.574	98.62
47.63	50.0	Shear	kip	395.43	-19.23	-18.88	15.128	226.92
47.63	50.0	Flexure	ksi	36.00	8.45	3.91	7.046	105.69
47.63	50.0	Flexure	ksi	34.20	6.76	3.01	7.017	105.26
57.15	60.0	Shear	kip	395.43	-33.20	-22.60	12.048	180.72
57.15	60.0	Flexure	ksi	36.00	5.68	3.48	8.705	130.57

57.15	60.0	Flexure	ksi	34.20	4.55	2.68	8.514	127.71
66.68	70.0	Shear	kip	395.43	-47.34	-26.12	9.902	148.53
66.68	70.0	Flexure	ksi	36.00	1.44	2.75	12.574	188.61
66.68	70.0	Flexure	ksi	34.20	1.15	2.11	12.024	180.35
71.75	75.3	Shear	kip	424.98	-54.94	-28.03	9.779	146.68
71.75	75.3	Flexure	ksi	-33.94	-8.82	-1.89	13.307	199.60
71.75	75.3	Flexure	ksi	34.20	-1.14	1.69	16.081	241.22
76.20	80.0	Shear	kip	414.51	-61.47	-29.33	8.855	132.83
76.20	80.0	Flexure	ksi	-33.94	-8.82	-1.89	13.307	199.60
76.20	80.0	Flexure	ksi	-34.20	-3.42	-1.18	20.005	300.07
82.25	86.4	Shear	kip	414.51	-70.35	-31.31	8.024	120.36
82.25	86.4	Flexure	ksi	-33.94	-8.82	-1.89	13.307	199.60
82.25	86.4	Flexure	ksi	-34.20	-6.94	-1.28	16.416	246.24
85.72	90.0	Shear	kip	518.17	-75.86	-32.16	10.127	151.90
85.72	90.0	Flexure	ksi	-35.90	-14.36	-1.82	11.812	177.18
85.72	90.0	Flexure	ksi	-34.20	-6.42	-0.96	22.325	334.88
95.25	100.0	Shear	kip	390.83	88.94	34.37	6.259	93.89
95.25	100.0	Flexure	ksi	-35.90	-14.36	-1.82	11.812	177.18
95.25	100.0	Flexure	ksi	-34.20	-11.31	-1.24	14.233	213.50

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	29.12	11.363	170.45
11.90	10.0	Flexure	ksi	-35.90	-12.96	-1.78	12.917	193.76
11.90	10.0	Flexure	ksi	-34.20	-5.46	-1.05	21.108	316.62
13.00	10.9	Shear	kip	414.51	68.74	28.78	8.781	131.72
13.00	10.9	Flexure	ksi	-34.63	-12.96	-1.78	12.202	183.04
13.00	10.9	Flexure	ksi	-34.20	-7.14	-1.43	14.536	218.04
23.50	19.7	Shear	kip	424.98	53.18	25.33	10.887	163.30
23.50	19.7	Flexure	ksi	-34.63	-8.26	-2.08	12.668	190.02
23.50	19.7	Flexure	ksi	34.20	-1.50	1.68	16.378	245.67
23.80	20.0	Shear	kip	404.69	52.74	25.23	10.330	154.95
23.80	20.0	Flexure	ksi	-35.33	-8.26	-2.08	13.001	195.02
23.80	20.0	Flexure	ksi	34.20	-1.36	1.70	16.127	241.91
35.70	30.0	Shear	kip	395.43	35.12	20.87	12.956	194.34
35.70	30.0	Flexure	ksi	36.00	4.07	2.91	10.956	164.34
35.70	30.0	Flexure	ksi	34.20	3.26	2.24	10.618	159.27
47.60	40.0	Shear	kip	395.43	17.50	16.33	17.600	264.00
47.60	40.0	Flexure	ksi	36.00	7.52	3.23	8.814	132.21

47.60	40.0	Flexure	ksi	34.20	6.02	2.49	8.722	130.83
59.50	50.0	Shear	kip	395.43	-0.12	-18.92	16.069	241.03
59.50	50.0	Flexure	ksi	36.00	8.66	3.12	8.762	131.43
59.50	50.0	Flexure	ksi	34.20	6.93	2.40	8.740	131.11
71.40	60.0	Shear	kip	395.43	-17.74	-23.50	12.219	183.28
71.40	60.0	Flexure	ksi	36.00	7.48	2.58	11.039	165.59
71.40	60.0	Flexure	ksi	34.20	5.98	1.99	10.922	163.83
83.30	70.0	Shear	kip	395.43	-35.35	-27.75	9.736	146.04
83.30	70.0	Flexure	ksi	36.00	3.98	1.71	18.698	280.47
83.30	70.0	Flexure	ksi	34.20	3.19	1.32	18.112	271.68
95.20	80.0	Shear	kip	404.69	-52.97	-31.31	8.316	124.74
95.20	80.0	Flexure	ksi	-35.33	-2.96	-1.62	19.988	299.83
95.20	80.0	Flexure	ksi	-34.20	-1.47	-0.94	26.768	401.53
95.50	80.3	Shear	kip	424.98	-53.41	-31.38	8.782	131.73
95.50	80.3	Flexure	ksi	-34.63	-2.96	-1.62	19.560	293.40
95.50	80.3	Flexure	ksi	-34.20	-1.61	-0.97	25.918	388.77
104.00	87.4	Shear	kip	414.51	-66.04	-33.41	7.643	114.64
104.00	87.4	Flexure	ksi	-34.32	-8.06	-2.44	10.763	161.44
104.00	87.4	Flexure	ksi	-34.20	-6.08	-1.78	12.178	182.67
107.10	90.0	Shear	kip	518.17	-70.82	-33.86	9.761	146.42
107.10	90.0	Flexure	ksi	-34.32	-8.06	-2.44	10.763	161.44
107.10	90.0	Flexure	ksi	-34.20	-5.56	-1.52	14.535	218.02
119.00	100.0	Shear	kip	390.83	89.42	35.25	6.090	91.35
119.00	100.0	Flexure	ksi	-35.90	-14.53	-3.71	5.766	86.50
119.00	100.0	Flexure	ksi	-34.20	-11.44	-2.51	6.963	104.45

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.92	32.14	10.279	154.18
11.90	10.0	Flexure	ksi	-35.90	-13.25	-3.47	6.535	98.02
11.90	10.0	Flexure	ksi	-34.20	-5.56	-1.51	14.546	218.19
15.00	12.6	Shear	kip	414.51	65.99	31.72	8.051	120.76
15.00	12.6	Flexure	ksi	-34.32	-7.73	-2.63	10.122	151.84
15.00	12.6	Flexure	ksi	-34.20	-6.08	-1.78	12.169	182.53
23.50	19.7	Shear	kip	424.98	53.52	30.17	9.130	136.95
23.50	19.7	Flexure	ksi	-34.32	-7.73	-2.63	10.122	151.84
23.50	19.7	Flexure	ksi	-34.20	-1.61	-0.97	25.970	389.54
23.80	20.0	Shear	kip	404.69	53.08	30.10	8.646	129.69
23.80	20.0	Flexure	ksi	-34.32	-7.73	-2.63	10.122	151.84

23.80	20.0	Flexure	ksi	-34.20	-1.47	-0.94	26.781	401.72
35.70	30.0	Shear	kip	395.43	35.46	27.03	9.992	149.89
35.70	30.0	Flexure	ksi	36.00	3.98	1.71	18.681	280.22
35.70	30.0	Flexure	ksi	34.20	3.19	1.32	18.096	271.43
47.60	40.0	Shear	kip	395.43	17.84	23.19	12.378	185.67
47.60	40.0	Flexure	ksi	36.00	7.48	2.58	11.035	165.52
47.60	40.0	Flexure	ksi	34.20	5.98	1.99	10.917	163.75
59.50	50.0	Shear	kip	395.43	0.22	18.92	16.063	240.95
59.50	50.0	Flexure	ksi	36.00	8.66	3.12	8.760	131.39
59.50	50.0	Flexure	ksi	34.20	6.93	2.40	8.738	131.07
71.40	60.0	Shear	kip	395.43	-17.40	-16.54	17.376	260.64
71.40	60.0	Flexure	ksi	36.00	7.52	3.23	8.816	132.25
71.40	60.0	Flexure	ksi	34.20	6.02	2.48	8.725	130.87
83.30	70.0	Shear	kip	395.43	-35.01	-21.43	12.625	189.37
83.30	70.0	Flexure	ksi	36.00	4.07	2.91	10.960	164.40
83.30	70.0	Flexure	ksi	34.20	3.26	2.24	10.621	159.32
95.20	80.0	Shear	kip	404.69	-52.63	-26.24	9.937	149.05
95.20	80.0	Flexure	ksi	36.00	-1.70	2.20	17.107	256.60
95.20	80.0	Flexure	ksi	34.20	-1.36	1.70	16.136	242.04
95.50	80.3	Shear	kip	424.98	-53.07	-26.34	10.472	157.08
95.50	80.3	Flexure	ksi	36.00	-1.88	2.18	17.382	260.73
95.50	80.3	Flexure	ksi	34.20	-1.50	1.68	16.384	245.76
106.00	89.1	Shear	kip	414.51	-68.64	-30.32	8.340	125.10
106.00	89.1	Flexure	ksi	-34.32	-9.07	-2.12	11.933	179.00
106.00	89.1	Flexure	ksi	-34.20	-7.14	-1.43	14.540	218.11
107.10	90.0	Shear	kip	518.17	-70.33	-30.67	10.791	161.87
107.10	90.0	Flexure	ksi	-34.32	-9.07	-2.12	11.933	179.00
107.10	90.0	Flexure	ksi	-34.20	-5.46	-1.05	21.116	316.74
119.00	100.0	Shear	kip	390.83	90.65	34.73	6.146	92.20
119.00	100.0	Flexure	ksi	-35.90	-14.36	-1.82	11.816	177.24
119.00	100.0	Flexure	ksi	-34.20	-11.31	-1.24	14.238	213.57

Span 4

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	75.81	30.63	10.632	159.49
9.52	10.0	Flexure	ksi	-35.90	-13.06	-1.60	14.274	214.11
9.52	10.0	Flexure	ksi	-34.20	-6.42	-0.96	22.316	334.73
13.00	13.6	Shear	kip	414.51	70.46	29.82	8.420	126.30
13.00	13.6	Flexure	ksi	-34.63	-13.06	-1.60	13.481	202.21

13.00	13.6	Flexure	ksi	-34.20	-6.94	-1.28	16.409	246.14
19.05	20.0	Shear	kip	414.51	61.42	28.28	9.188	137.82
19.05	20.0	Flexure	ksi	-34.63	-7.30	-1.84	14.825	222.38
19.05	20.0	Flexure	ksi	-34.20	-3.42	-1.18	19.998	299.97
23.50	24.7	Shear	kip	424.98	54.89	27.02	10.144	152.16
23.50	24.7	Flexure	ksi	-34.63	-7.30	-1.84	14.825	222.38
23.50	24.7	Flexure	ksi	34.20	-1.14	1.69	16.096	241.44
28.58	30.0	Shear	kip	395.43	47.29	25.49	10.150	152.25
28.58	30.0	Flexure	ksi	36.00	1.44	2.75	12.574	188.61
28.58	30.0	Flexure	ksi	34.20	1.15	2.11	12.024	180.36
38.10	40.0	Shear	kip	395.43	33.32	22.32	12.193	182.90
38.10	40.0	Flexure	ksi	36.00	5.69	3.48	8.704	130.56
38.10	40.0	Flexure	ksi	34.20	4.55	2.68	8.513	127.70
47.63	50.0	Shear	kip	395.43	19.18	18.89	15.130	226.95
47.63	50.0	Flexure	ksi	36.00	8.45	3.91	7.046	105.69
47.63	50.0	Flexure	ksi	34.20	6.76	3.01	7.018	105.27
57.15	60.0	Shear	kip	395.43	5.05	15.25	19.622	294.32
57.15	60.0	Flexure	ksi	36.00	9.72	4.02	6.538	98.08
57.15	60.0	Flexure	ksi	34.20	7.78	3.09	6.574	98.62
66.68	70.0	Shear	kip	395.43	-9.09	-19.78	14.936	224.04
66.68	70.0	Flexure	ksi	36.00	9.52	3.76	7.043	105.64
66.68	70.0	Flexure	ksi	34.20	7.62	2.89	7.070	106.06
76.20	80.0	Shear	kip	395.43	-23.06	-24.19	11.658	174.86
76.20	80.0	Flexure	ksi	36.00	7.83	3.03	9.301	139.52
76.20	80.0	Flexure	ksi	34.20	6.26	2.33	9.224	138.36
85.72	90.0	Shear	kip	395.43	-37.19	-28.84	9.306	139.59
85.72	90.0	Flexure	ksi	36.00	4.66	1.78	17.568	263.53
85.72	90.0	Flexure	ksi	34.20	3.72	1.37	17.081	256.22
95.25	100.0	Shear	kip	469.80	-51.33	-33.68	9.265	138.97
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	1485.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	1485.00

Detailed Rating Results
Wizard Alternative
OH-3F1
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

Location	Legal Rating	Legal Load Rating

(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	47.39	3.169	72.88
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2277.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2277.00
9.52	10.0	Shear	kip	395.43	37.15	40.92	6.560	150.88
9.52	10.0	Flexure	ksi	36.00	4.66	2.66	11.794	271.27
9.52	10.0	Flexure	ksi	34.20	3.73	2.04	11.467	263.75
19.05	20.0	Shear	kip	395.43	23.17	34.59	8.149	187.43
19.05	20.0	Flexure	ksi	36.00	7.83	4.49	6.270	144.21
19.05	20.0	Flexure	ksi	34.20	6.26	3.46	6.218	143.02
28.58	30.0	Shear	kip	395.43	9.04	28.48	10.375	238.62
28.58	30.0	Flexure	ksi	36.00	9.52	5.55	4.773	109.78
28.58	30.0	Flexure	ksi	34.20	7.61	4.27	4.792	110.21
38.10	40.0	Shear	kip	395.43	-5.09	22.68	13.625	313.38
38.10	40.0	Flexure	ksi	36.00	9.72	6.00	4.380	100.74
38.10	40.0	Flexure	ksi	34.20	7.78	4.62	4.404	101.29
47.63	50.0	Shear	kip	395.43	-19.23	-27.87	10.251	235.77
47.63	50.0	Flexure	ksi	36.00	8.45	5.84	4.719	108.53
47.63	50.0	Flexure	ksi	34.20	6.76	4.49	4.700	108.09
57.15	60.0	Shear	kip	395.43	-33.20	-33.63	8.095	186.19
57.15	60.0	Flexure	ksi	36.00	5.68	5.15	5.888	135.42
57.15	60.0	Flexure	ksi	34.20	4.55	3.96	5.759	132.46
66.68	70.0	Shear	kip	395.43	-47.34	-39.12	6.612	152.08
66.68	70.0	Flexure	ksi	36.00	1.44	4.01	8.628	198.45
66.68	70.0	Flexure	ksi	34.20	1.15	3.08	8.251	189.77
71.75	75.3	Shear	kip	424.98	-54.94	-42.11	6.509	149.71
71.75	75.3	Flexure	ksi	-33.94	-8.82	-2.88	8.716	200.47
71.75	75.3	Flexure	ksi	34.20	-1.14	2.44	11.153	256.52
76.20	80.0	Shear	kip	414.51	-61.47	-44.15	5.883	135.32
76.20	80.0	Flexure	ksi	-33.94	-8.82	-2.88	8.716	200.47
76.20	80.0	Flexure	ksi	-34.20	-3.42	-1.81	13.104	301.38
82.25	86.4	Shear	kip	414.51	-70.35	-47.26	5.316	122.26
82.25	86.4	Flexure	ksi	-33.94	-8.82	-2.88	8.716	200.47
82.25	86.4	Flexure	ksi	-34.20	-6.94	-1.95	10.753	247.31
85.72	90.0	Shear	kip	518.17	-75.86	-48.61	6.699	154.08
85.72	90.0	Flexure	ksi	-35.90	-14.36	-2.78	7.752	178.30
85.72	90.0	Flexure	ksi	-34.20	-6.42	-1.46	14.623	336.34
95.25	100.0	Shear	kip	390.83	88.94	51.94	4.142	95.27
95.25	100.0	Flexure	ksi	-35.90	-14.36	-2.78	7.752	178.30
95.25	100.0	Flexure	ksi	-34.20	-11.31	-1.89	9.341	214.85

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	43.77	7.559	173.86
11.90	10.0	Flexure	ksi	-35.90	-12.96	-2.71	8.478	194.99
11.90	10.0	Flexure	ksi	-34.20	-5.46	-1.60	13.853	318.62
13.00	10.9	Shear	kip	414.51	68.74	43.24	5.845	134.44
13.00	10.9	Flexure	ksi	-34.63	-12.96	-2.71	8.008	184.19
13.00	10.9	Flexure	ksi	-34.20	-7.14	-2.18	9.540	219.41
23.50	19.7	Shear	kip	424.98	53.18	37.85	7.286	167.58
23.50	19.7	Flexure	ksi	-34.63	-8.26	-3.17	8.314	191.22
23.50	19.7	Flexure	ksi	34.20	-1.50	2.42	11.338	260.78
23.80	20.0	Shear	kip	404.69	52.74	37.69	6.915	159.04
23.80	20.0	Flexure	ksi	-35.33	-8.26	-3.17	8.533	196.25
23.80	20.0	Flexure	ksi	34.20	-1.36	2.45	11.160	256.68
35.70	30.0	Shear	kip	395.43	35.12	30.95	8.737	200.94
35.70	30.0	Flexure	ksi	36.00	4.07	4.30	7.429	170.87
35.70	30.0	Flexure	ksi	34.20	3.26	3.31	7.200	165.60
47.60	40.0	Shear	kip	395.43	17.50	23.99	11.977	275.47
47.60	40.0	Flexure	ksi	36.00	7.52	4.82	5.909	135.92
47.60	40.0	Flexure	ksi	34.20	6.02	3.71	5.848	134.51
59.50	50.0	Shear	kip	395.43	-0.12	-27.97	10.873	250.08
59.50	50.0	Flexure	ksi	36.00	8.66	4.64	5.894	135.57
59.50	50.0	Flexure	ksi	34.20	6.93	3.57	5.880	135.23
71.40	60.0	Shear	kip	395.43	-17.74	-35.03	8.196	188.50
71.40	60.0	Flexure	ksi	36.00	7.48	3.80	7.505	172.62
71.40	60.0	Flexure	ksi	34.20	5.98	2.92	7.425	170.78
83.30	70.0	Shear	kip	395.43	-35.35	-41.67	6.484	149.13
83.30	70.0	Flexure	ksi	36.00	3.98	2.49	12.878	296.21
83.30	70.0	Flexure	ksi	34.20	3.19	1.91	12.475	286.92
95.20	80.0	Shear	kip	404.69	-52.97	-47.31	5.503	126.57
95.20	80.0	Flexure	ksi	-35.33	-2.96	-2.47	13.089	301.04
95.20	80.0	Flexure	ksi	-34.20	-1.47	-1.43	17.593	404.65
95.50	80.3	Shear	kip	424.98	-53.41	-47.42	5.811	133.65
95.50	80.3	Flexure	ksi	-34.63	-2.96	-2.47	12.808	294.59
95.50	80.3	Flexure	ksi	-34.20	-1.61	-1.47	17.041	391.94
104.00	87.4	Shear	kip	414.51	-66.04	-50.70	5.037	115.84
104.00	87.4	Flexure	ksi	-34.32	-8.06	-3.73	7.041	161.94
104.00	87.4	Flexure	ksi	-34.20	-6.08	-2.71	7.978	183.48
107.10	90.0	Shear	kip	518.17	-70.82	-51.47	6.421	147.67
107.10	90.0	Flexure	ksi	-34.32	-8.06	-3.73	7.041	161.94

107.10	90.0	Flexure	ksi	-34.20	-5.56	-2.31	9.519	218.93
119.00	100.0	Shear	kip	390.83	89.42	53.88	3.984	91.63
119.00	100.0	Flexure	ksi	-35.90	-14.53	-5.66	3.773	86.77
119.00	100.0	Flexure	ksi	-34.20	-11.44	-3.84	4.556	104.78

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.92	48.87	6.761	155.50
11.90	10.0	Flexure	ksi	-35.90	-13.25	-5.29	4.279	98.42
11.90	10.0	Flexure	ksi	-34.20	-5.56	-2.31	9.523	219.03
15.00	12.6	Shear	kip	414.51	65.99	48.14	5.305	122.02
15.00	12.6	Flexure	ksi	-34.32	-7.73	-4.00	6.639	152.70
15.00	12.6	Flexure	ksi	-34.20	-6.08	-2.71	7.981	183.57
23.50	19.7	Shear	kip	424.98	53.52	45.59	6.041	138.95
23.50	19.7	Flexure	ksi	-34.32	-7.73	-4.00	6.639	152.70
23.50	19.7	Flexure	ksi	-34.20	-1.61	-1.47	17.033	391.75
23.80	20.0	Shear	kip	404.69	53.08	45.49	5.722	131.60
23.80	20.0	Flexure	ksi	-34.32	-7.73	-4.00	6.639	152.70
23.80	20.0	Flexure	ksi	-34.20	-1.47	-1.43	17.583	404.41
35.70	30.0	Shear	kip	395.43	35.46	40.58	6.655	153.07
35.70	30.0	Flexure	ksi	36.00	3.98	2.48	12.898	296.66
35.70	30.0	Flexure	ksi	34.20	3.19	1.91	12.494	287.36
47.60	40.0	Shear	kip	395.43	17.84	34.57	8.303	190.97
47.60	40.0	Flexure	ksi	36.00	7.48	3.80	7.511	172.75
47.60	40.0	Flexure	ksi	34.20	5.98	2.92	7.431	170.91
59.50	50.0	Shear	kip	395.43	0.22	27.96	10.870	250.02
59.50	50.0	Flexure	ksi	36.00	8.66	4.64	5.897	135.64
59.50	50.0	Flexure	ksi	34.20	6.93	3.57	5.882	135.30
71.40	60.0	Shear	kip	395.43	-17.40	-24.31	11.824	271.95
71.40	60.0	Flexure	ksi	36.00	7.52	4.82	5.907	135.87
71.40	60.0	Flexure	ksi	34.20	6.02	3.71	5.846	134.46
83.30	70.0	Shear	kip	395.43	-35.01	-31.78	8.512	195.79
83.30	70.0	Flexure	ksi	36.00	4.07	4.30	7.426	170.80
83.30	70.0	Flexure	ksi	34.20	3.26	3.31	7.197	165.52
95.20	80.0	Shear	kip	404.69	-52.63	-39.20	6.651	152.98
95.20	80.0	Flexure	ksi	-35.33	-2.82	-2.78	11.704	269.19
95.20	80.0	Flexure	ksi	34.20	-1.36	2.45	11.151	256.46
95.50	80.3	Shear	kip	424.98	-53.07	-39.36	7.008	161.19
95.50	80.3	Flexure	ksi	-34.63	-2.82	-2.78	11.454	263.44

95.50	80.3	Flexure	ksi	34.20	-1.50	2.42	11.329	260.58
106.00	89.1	Shear	kip	414.51	-68.64	-45.55	5.551	127.68
106.00	89.1	Flexure	ksi	-34.32	-9.07	-3.23	7.822	179.91
106.00	89.1	Flexure	ksi	-34.20	-7.14	-2.18	9.532	219.23
107.10	90.0	Shear	kip	518.17	-70.33	-46.11	7.178	165.10
107.10	90.0	Flexure	ksi	-34.32	-9.07	-3.23	7.822	179.91
107.10	90.0	Flexure	ksi	-34.20	-5.46	-1.60	13.842	318.36
119.00	100.0	Shear	kip	390.83	90.65	52.67	4.053	93.22
119.00	100.0	Flexure	ksi	-35.90	-14.36	-2.78	7.746	178.15
119.00	100.0	Flexure	ksi	-34.20	-11.31	-1.89	9.333	214.67

Span 4

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	75.81	46.31	7.033	161.77
9.52	10.0	Flexure	ksi	-35.90	-13.06	-2.44	9.354	215.14
9.52	10.0	Flexure	ksi	-34.20	-6.42	-1.46	14.624	336.35
13.00	13.6	Shear	kip	414.51	70.46	45.02	5.578	128.30
13.00	13.6	Flexure	ksi	-34.63	-13.06	-2.44	8.834	203.18
13.00	13.6	Flexure	ksi	-34.20	-6.94	-1.95	10.753	247.33
19.05	20.0	Shear	kip	414.51	61.42	42.57	6.103	140.38
19.05	20.0	Flexure	ksi	-34.63	-7.30	-2.81	9.715	223.45
19.05	20.0	Flexure	ksi	-34.20	-3.42	-1.81	13.105	301.41
23.50	24.7	Shear	kip	424.98	54.89	40.59	6.753	155.31
23.50	24.7	Flexure	ksi	-34.63	-7.30	-2.81	9.715	223.45
23.50	24.7	Flexure	ksi	34.20	-1.14	2.44	11.164	256.77
28.58	30.0	Shear	kip	395.43	47.29	38.17	6.778	155.89
28.58	30.0	Flexure	ksi	36.00	1.44	4.01	8.628	198.44
28.58	30.0	Flexure	ksi	34.20	1.15	3.08	8.250	189.76
38.10	40.0	Shear	kip	395.43	33.32	33.22	8.192	188.42
38.10	40.0	Flexure	ksi	36.00	5.69	5.15	5.892	135.51
38.10	40.0	Flexure	ksi	34.20	4.55	3.96	5.763	132.55
47.63	50.0	Shear	kip	395.43	19.18	27.87	10.252	235.80
47.63	50.0	Flexure	ksi	36.00	8.45	5.84	4.717	108.49
47.63	50.0	Flexure	ksi	34.20	6.76	4.49	4.698	108.05
57.15	60.0	Shear	kip	395.43	5.05	-22.96	13.457	309.52
57.15	60.0	Flexure	ksi	36.00	9.72	6.00	4.380	100.74
57.15	60.0	Flexure	ksi	34.20	7.78	4.61	4.404	101.29
66.68	70.0	Shear	kip	395.43	-9.09	-29.19	10.121	232.77
66.68	70.0	Flexure	ksi	36.00	9.52	5.55	4.772	109.76

66.68	70.0	Flexure	ksi	34.20	7.62	4.27	4.791	110.19
76.20	80.0	Shear	kip	395.43	-23.06	-35.88	7.859	180.75
76.20	80.0	Flexure	ksi	36.00	7.83	4.49	6.271	144.22
76.20	80.0	Flexure	ksi	34.20	6.26	3.46	6.218	143.02
85.72	90.0	Shear	kip	395.43	-37.19	-42.96	6.248	143.69
85.72	90.0	Flexure	ksi	36.00	4.66	2.66	11.795	271.27
85.72	90.0	Flexure	ksi	34.20	3.72	2.04	11.468	263.75
95.25	100.0	Shear	kip	469.80	-51.33	-50.34	6.198	142.56
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2277.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2277.00

Detailed Rating Results
Wizard Alternative
OH-4F1
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal	Legal
Location							Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	54.05	2.778	75.01
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2673.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2673.00
9.52	10.0	Shear	kip	395.43	37.15	46.49	5.774	155.91
9.52	10.0	Flexure	ksi	36.00	4.66	3.02	10.382	280.32
9.52	10.0	Flexure	ksi	34.20	3.73	2.32	10.095	272.55
19.05	20.0	Shear	kip	395.43	23.17	39.11	7.208	194.61
19.05	20.0	Flexure	ksi	36.00	7.83	5.08	5.546	149.74
19.05	20.0	Flexure	ksi	34.20	6.26	3.91	5.500	148.49
28.58	30.0	Shear	kip	395.43	9.04	32.01	9.232	249.25
28.58	30.0	Flexure	ksi	36.00	9.52	6.39	4.147	111.96
28.58	30.0	Flexure	ksi	34.20	7.61	4.91	4.163	112.39
38.10	40.0	Shear	kip	395.43	-5.09	25.30	12.216	329.83
38.10	40.0	Flexure	ksi	36.00	9.72	6.87	3.826	103.31
38.10	40.0	Flexure	ksi	34.20	7.78	5.28	3.847	103.88
47.63	50.0	Shear	kip	395.43	-19.23	-31.30	9.128	246.45
47.63	50.0	Flexure	ksi	36.00	8.45	6.68	4.127	111.43
47.63	50.0	Flexure	ksi	34.20	6.76	5.14	4.110	110.98
57.15	60.0	Shear	kip	395.43	-33.20	-38.15	7.136	192.68

57.15	60.0	Flexure	ksi	36.00	5.68	5.91	5.126	138.41
57.15	60.0	Flexure	ksi	34.20	4.55	4.55	5.014	135.38
66.68	70.0	Shear	kip	395.43	-47.34	-44.70	5.787	156.24
66.68	70.0	Flexure	ksi	36.00	1.44	4.60	7.517	202.96
66.68	70.0	Flexure	ksi	34.20	1.15	3.54	7.188	194.08
71.75	75.3	Shear	kip	424.98	-54.94	-48.25	5.680	153.35
71.75	75.3	Flexure	ksi	-33.94	-8.82	-3.36	7.469	201.67
71.75	75.3	Flexure	ksi	34.20	-1.14	2.78	9.780	264.07
76.20	80.0	Shear	kip	414.51	-61.47	-50.74	5.120	138.23
76.20	80.0	Flexure	ksi	-33.94	-8.82	-3.36	7.469	201.67
76.20	80.0	Flexure	ksi	-34.20	-3.42	-2.11	11.229	303.18
82.25	86.4	Shear	kip	414.51	-70.35	-54.47	4.612	124.53
82.25	86.4	Flexure	ksi	-33.94	-8.82	-3.36	7.469	201.67
82.25	86.4	Flexure	ksi	-34.20	-6.94	-2.28	9.214	248.79
85.72	90.0	Shear	kip	518.17	-75.86	-56.12	5.803	156.67
85.72	90.0	Flexure	ksi	-35.90	-14.36	-3.24	6.646	179.44
85.72	90.0	Flexure	ksi	-34.20	-6.42	-1.71	12.531	338.34
95.25	100.0	Shear	kip	390.83	88.94	59.94	3.589	96.91
95.25	100.0	Flexure	ksi	-35.90	-14.36	-3.24	6.646	179.44
95.25	100.0	Flexure	ksi	-34.20	-11.31	-2.20	8.008	216.21

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	50.22	6.588	177.88
11.90	10.0	Flexure	ksi	-35.90	-12.96	-3.16	7.268	196.23
11.90	10.0	Flexure	ksi	-34.20	-5.46	-1.86	11.876	320.65
13.00	10.9	Shear	kip	414.51	68.74	49.59	5.097	137.63
13.00	10.9	Flexure	ksi	-34.63	-12.96	-3.16	6.865	185.37
13.00	10.9	Flexure	ksi	-34.20	-7.14	-2.55	8.178	220.81
23.50	19.7	Shear	kip	424.98	53.18	43.13	6.394	172.63
23.50	19.7	Flexure	ksi	-34.63	-8.26	-3.70	7.127	192.44
23.50	19.7	Flexure	ksi	34.20	-1.50	2.76	9.954	268.75
23.80	20.0	Shear	kip	404.69	52.74	42.94	6.069	163.86
23.80	20.0	Flexure	ksi	-35.33	-8.26	-3.70	7.315	197.50
23.80	20.0	Flexure	ksi	34.20	-1.36	2.79	9.793	264.41
35.70	30.0	Shear	kip	395.43	35.12	34.98	7.731	208.74
35.70	30.0	Flexure	ksi	36.00	4.07	4.91	6.500	175.49
35.70	30.0	Flexure	ksi	34.20	3.26	3.78	6.299	170.07
47.60	40.0	Shear	kip	395.43	17.50	26.83	10.709	289.15

47.60	40.0	Flexure	ksi	36.00	7.52	5.49	5.192	140.17
47.60	40.0	Flexure	ksi	34.20	6.02	4.22	5.138	138.72
59.50	50.0	Shear	kip	395.43	-0.12	-31.47	9.663	260.91
59.50	50.0	Flexure	ksi	36.00	8.66	5.29	5.169	139.57
59.50	50.0	Flexure	ksi	34.20	6.93	4.07	5.157	139.23
71.40	60.0	Shear	kip	395.43	-17.74	-39.81	7.212	194.73
71.40	60.0	Flexure	ksi	36.00	7.48	4.33	6.589	177.90
71.40	60.0	Flexure	ksi	34.20	5.98	3.33	6.519	176.00
83.30	70.0	Shear	kip	395.43	-35.35	-47.73	5.660	152.83
83.30	70.0	Flexure	ksi	36.00	3.98	2.78	11.531	311.35
83.30	70.0	Flexure	ksi	34.20	3.19	2.14	11.170	301.59
95.20	80.0	Shear	kip	404.69	-52.97	-54.58	4.771	128.81
95.20	80.0	Flexure	ksi	-35.33	-2.96	-2.88	11.250	303.76
95.20	80.0	Flexure	ksi	-34.20	-1.47	-1.67	15.093	407.52
95.50	80.3	Shear	kip	424.98	-53.41	-54.71	5.037	135.99
95.50	80.3	Flexure	ksi	-34.63	-2.96	-2.88	11.009	297.25
95.50	80.3	Flexure	ksi	-34.20	-1.61	-1.72	14.617	394.66
104.00	87.4	Shear	kip	414.51	-66.04	-58.80	4.343	117.25
104.00	87.4	Flexure	ksi	-34.32	-8.06	-4.35	6.035	162.95
104.00	87.4	Flexure	ksi	-34.20	-6.08	-3.16	6.838	184.62
107.10	90.0	Shear	kip	518.17	-70.82	-59.77	5.529	149.29
107.10	90.0	Flexure	ksi	-34.32	-8.06	-4.35	6.035	162.95
107.10	90.0	Flexure	ksi	-34.20	-5.56	-2.70	8.155	220.19
119.00	100.0	Shear	kip	390.83	89.42	62.96	3.409	92.05
119.00	100.0	Flexure	ksi	-35.90	-14.53	-6.62	3.227	87.12
119.00	100.0	Flexure	ksi	-34.20	-11.44	-4.49	3.897	105.21

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.92	56.76	5.821	157.17
11.90	10.0	Flexure	ksi	-35.90	-13.25	-6.19	3.659	98.79
11.90	10.0	Flexure	ksi	-34.20	-5.56	-2.70	8.156	220.21
15.00	12.6	Shear	kip	414.51	65.99	55.84	4.574	123.50
15.00	12.6	Flexure	ksi	-34.32	-7.73	-4.68	5.684	153.48
15.00	12.6	Flexure	ksi	-34.20	-6.08	-3.17	6.834	184.51
23.50	19.7	Shear	kip	424.98	53.52	52.61	5.236	141.37
23.50	19.7	Flexure	ksi	-34.32	-7.73	-4.68	5.684	153.48
23.50	19.7	Flexure	ksi	-34.20	-1.61	-1.72	14.618	394.68
23.80	20.0	Shear	kip	404.69	53.08	52.48	4.959	133.91

23.80	20.0	Flexure	ksi	-34.32	-7.73	-4.68	5.684	153.48
23.80	20.0	Flexure	ksi	-34.20	-1.47	-1.67	15.091	407.46
35.70	30.0	Shear	kip	395.43	35.46	46.49	5.809	156.85
35.70	30.0	Flexure	ksi	36.00	3.98	2.77	11.539	311.56
35.70	30.0	Flexure	ksi	34.20	3.19	2.13	11.178	301.80
47.60	40.0	Shear	kip	395.43	17.84	39.29	7.306	197.26
47.60	40.0	Flexure	ksi	36.00	7.48	4.33	6.591	177.96
47.60	40.0	Flexure	ksi	34.20	5.98	3.33	6.521	176.06
59.50	50.0	Shear	kip	395.43	0.22	31.46	9.661	260.84
59.50	50.0	Flexure	ksi	36.00	8.66	5.29	5.171	139.61
59.50	50.0	Flexure	ksi	34.20	6.93	4.07	5.158	139.26
71.40	60.0	Shear	kip	395.43	-17.40	-27.19	10.572	285.43
71.40	60.0	Flexure	ksi	36.00	7.52	5.49	5.191	140.15
71.40	60.0	Flexure	ksi	34.20	6.02	4.22	5.137	138.69
83.30	70.0	Shear	kip	395.43	-35.01	-35.91	7.533	203.40
83.30	70.0	Flexure	ksi	36.00	4.07	4.91	6.498	175.46
83.30	70.0	Flexure	ksi	34.20	3.26	3.78	6.298	170.04
95.20	80.0	Shear	kip	404.69	-52.63	-44.65	5.838	157.63
95.20	80.0	Flexure	ksi	-35.33	-2.82	-3.24	10.025	270.67
95.20	80.0	Flexure	ksi	34.20	-1.36	2.79	9.789	264.31
95.50	80.3	Shear	kip	424.98	-53.07	-44.85	6.150	166.06
95.50	80.3	Flexure	ksi	-34.63	-2.82	-3.24	9.811	264.90
95.50	80.3	Flexure	ksi	34.20	-1.50	2.76	9.949	268.63
106.00	89.1	Shear	kip	414.51	-68.64	-52.23	4.842	130.72
106.00	89.1	Flexure	ksi	-34.32	-9.07	-3.77	6.700	180.91
106.00	89.1	Flexure	ksi	-34.20	-7.14	-2.55	8.164	220.43
107.10	90.0	Shear	kip	518.17	-70.33	-52.89	6.257	168.94
107.10	90.0	Flexure	ksi	-34.32	-9.07	-3.77	6.700	180.91
107.10	90.0	Flexure	ksi	-34.20	-5.46	-1.86	11.856	320.12
119.00	100.0	Shear	kip	390.83	90.65	61.04	3.497	94.43
119.00	100.0	Flexure	ksi	-35.90	-14.36	-3.25	6.635	179.13
119.00	100.0	Flexure	ksi	-34.20	-11.31	-2.20	7.995	215.85

Span 4

							Legal Rating	Legal Load Rating
Location	(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL Factor	(Ton)
	9.52	10.0	Shear	kip	518.17	75.81	53.46	6.092
	9.52	10.0	Flexure	ksi	-35.90	-13.06	-2.85	8.019
	9.52	10.0	Flexure	ksi	-34.20	-6.42	-1.70	12.538
	13.00	13.6	Shear	kip	414.51	70.46	51.88	130.67

13.00	13.6	Flexure	ksi	-34.63	-13.06	-2.85	7.573	204.47
13.00	13.6	Flexure	ksi	-34.20	-6.94	-2.27	9.220	248.93
19.05	20.0	Shear	kip	414.51	61.42	48.91	5.311	143.41
19.05	20.0	Flexure	ksi	-34.63	-7.30	-3.28	8.330	224.90
19.05	20.0	Flexure	ksi	-34.20	-3.42	-2.11	11.236	303.36
23.50	24.7	Shear	kip	424.98	54.89	46.52	5.892	159.10
23.50	24.7	Flexure	ksi	-34.63	-7.30	-3.28	8.330	224.90
23.50	24.7	Flexure	ksi	34.20	-1.14	2.78	9.785	264.19
28.58	30.0	Shear	kip	395.43	47.29	43.61	5.932	160.16
28.58	30.0	Flexure	ksi	36.00	1.44	4.60	7.516	202.93
28.58	30.0	Flexure	ksi	34.20	1.15	3.54	7.187	194.05
38.10	40.0	Shear	kip	395.43	33.32	37.68	7.223	195.01
38.10	40.0	Flexure	ksi	36.00	5.69	5.91	5.130	138.50
38.10	40.0	Flexure	ksi	34.20	4.55	4.55	5.018	135.48
47.63	50.0	Shear	kip	395.43	19.18	31.30	9.129	246.47
47.63	50.0	Flexure	ksi	36.00	8.45	6.68	4.126	111.40
47.63	50.0	Flexure	ksi	34.20	6.76	5.14	4.109	110.95
57.15	60.0	Shear	kip	395.43	5.05	-25.61	12.066	325.79
57.15	60.0	Flexure	ksi	36.00	9.72	6.87	3.826	103.31
57.15	60.0	Flexure	ksi	34.20	7.78	5.28	3.847	103.88
66.68	70.0	Shear	kip	395.43	-9.09	-32.81	9.005	243.13
66.68	70.0	Flexure	ksi	36.00	9.52	6.39	4.146	111.94
66.68	70.0	Flexure	ksi	34.20	7.62	4.91	4.162	112.38
76.20	80.0	Shear	kip	395.43	-23.06	-40.57	6.951	187.68
76.20	80.0	Flexure	ksi	36.00	7.83	5.08	5.546	149.75
76.20	80.0	Flexure	ksi	34.20	6.26	3.91	5.500	148.51
85.72	90.0	Shear	kip	395.43	-37.19	-48.81	5.500	148.49
85.72	90.0	Flexure	ksi	36.00	4.66	3.02	10.382	280.32
85.72	90.0	Flexure	ksi	34.20	3.72	2.32	10.095	272.55
95.25	100.0	Shear	kip	469.80	-51.33	-57.42	5.435	146.73
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2673.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2673.00

Detailed Rating Results
Wizard Alternative
OH-5C1
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

Location	Legal Rating	Legal

								Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	60.85	2.468	98.72
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3960.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3960.00
9.52	10.0	Shear	kip	395.43	37.15	50.53	5.313	212.51
9.52	10.0	Flexure	ksi	36.00	4.66	3.28	9.552	382.09
9.52	10.0	Flexure	ksi	34.20	3.73	2.52	9.287	371.50
19.05	20.0	Shear	kip	395.43	23.17	40.75	6.918	276.71
19.05	20.0	Flexure	ksi	36.00	7.83	5.47	5.147	205.89
19.05	20.0	Flexure	ksi	34.20	6.26	4.21	5.104	204.18
28.58	30.0	Shear	kip	395.43	9.04	31.66	9.332	373.28
28.58	30.0	Flexure	ksi	36.00	9.52	6.85	3.867	154.69
28.58	30.0	Flexure	ksi	34.20	7.61	5.27	3.882	155.29
38.10	40.0	Shear	kip	395.43	-5.09	23.41	13.203	528.13
38.10	40.0	Flexure	ksi	36.00	9.72	7.23	3.636	145.45
38.10	40.0	Flexure	ksi	34.20	7.78	5.56	3.656	146.25
47.63	50.0	Shear	kip	395.43	-19.23	-27.39	10.430	417.20
47.63	50.0	Flexure	ksi	36.00	8.45	6.89	4.002	160.07
47.63	50.0	Flexure	ksi	34.20	6.76	5.30	3.986	159.43
57.15	60.0	Shear	kip	395.43	-33.20	-37.52	7.256	290.22
57.15	60.0	Flexure	ksi	36.00	5.68	6.23	4.866	194.65
57.15	60.0	Flexure	ksi	34.20	4.55	4.79	4.760	190.39
66.68	70.0	Shear	kip	395.43	-47.34	-48.06	5.382	215.28
66.68	70.0	Flexure	ksi	36.00	1.44	4.76	7.254	290.15
66.68	70.0	Flexure	ksi	34.20	1.15	3.67	6.936	277.45
71.75	75.3	Shear	kip	424.98	-54.94	-53.80	5.094	203.76
71.75	75.3	Flexure	ksi	-33.94	-8.82	-4.17	6.017	240.69
71.75	75.3	Flexure	ksi	34.20	-1.14	2.73	9.960	398.38
76.20	80.0	Shear	kip	414.51	-61.47	-58.14	4.468	178.71
76.20	80.0	Flexure	ksi	-33.94	-8.82	-4.17	6.017	240.69
76.20	80.0	Flexure	ksi	-34.20	-3.42	-2.62	9.046	361.86
82.25	86.4	Shear	kip	414.51	-70.35	-64.50	3.895	155.79
82.25	86.4	Flexure	ksi	-33.94	-8.82	-4.17	6.017	240.69
82.25	86.4	Flexure	ksi	-34.20	-6.94	-2.82	7.423	296.94
85.72	90.0	Shear	kip	518.17	-75.86	-67.58	4.819	192.75
85.72	90.0	Flexure	ksi	-35.90	-14.36	-3.99	5.397	215.86
85.72	90.0	Flexure	ksi	-34.20	-6.42	-2.12	10.096	403.82
95.25	100.0	Shear	kip	390.83	88.94	72.37	2.973	118.91
95.25	100.0	Flexure	ksi	-35.90	-14.36	-3.99	5.397	215.86
95.25	100.0	Flexure	ksi	-34.20	-11.31	-2.71	6.503	260.11

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	57.60	5.744	229.76
11.90	10.0	Flexure	ksi	-35.90	-12.96	-3.89	5.902	236.06
11.90	10.0	Flexure	ksi	-34.20	-5.46	-2.29	9.644	385.74
13.00	10.9	Shear	kip	414.51	68.74	56.59	4.466	178.65
13.00	10.9	Flexure	ksi	-34.63	-12.96	-3.89	5.575	223.00
13.00	10.9	Flexure	ksi	-34.20	-7.14	-3.13	6.641	265.64
23.50	19.7	Shear	kip	424.98	53.18	46.79	5.894	235.76
23.50	19.7	Flexure	ksi	-34.63	-8.26	-4.56	5.788	231.50
23.50	19.7	Flexure	ksi	-34.20	-1.50	-2.63	9.551	382.04
23.80	20.0	Shear	kip	404.69	52.74	46.51	5.603	224.14
23.80	20.0	Flexure	ksi	-35.33	-8.26	-4.56	5.940	237.59
23.80	20.0	Flexure	ksi	-34.20	-1.36	-2.62	9.646	385.83
35.70	30.0	Shear	kip	395.43	35.12	35.47	7.624	304.96
35.70	30.0	Flexure	ksi	36.00	4.07	5.07	6.301	252.05
35.70	30.0	Flexure	ksi	34.20	3.26	3.90	6.107	244.26
47.60	40.0	Shear	kip	395.43	17.50	25.23	11.391	455.63
47.60	40.0	Flexure	ksi	36.00	7.52	5.67	5.023	200.93
47.60	40.0	Flexure	ksi	34.20	6.02	4.36	4.971	198.85
59.50	50.0	Shear	kip	395.43	-0.12	-30.09	10.104	404.14
59.50	50.0	Flexure	ksi	36.00	8.66	5.48	4.987	199.48
59.50	50.0	Flexure	ksi	34.20	6.93	4.22	4.975	198.99
71.40	60.0	Shear	kip	395.43	-17.74	-41.63	6.898	275.90
71.40	60.0	Flexure	ksi	36.00	7.48	4.38	6.509	260.36
71.40	60.0	Flexure	ksi	34.20	5.98	3.37	6.440	257.58
83.30	70.0	Shear	kip	395.43	-35.35	-53.54	5.046	201.84
83.30	70.0	Flexure	ksi	36.00	3.98	2.43	13.162	526.47
83.30	70.0	Flexure	ksi	34.20	3.19	1.87	12.749	509.96
95.20	80.0	Shear	kip	404.69	-52.97	-64.98	4.007	160.27
95.20	80.0	Flexure	ksi	-35.33	-2.96	-3.35	9.650	386.01
95.20	80.0	Flexure	ksi	-34.20	-1.47	-1.91	13.178	527.12
95.50	80.3	Shear	kip	424.98	-53.41	-65.23	4.224	168.96
95.50	80.3	Flexure	ksi	-34.63	-2.96	-3.35	9.443	377.73
95.50	80.3	Flexure	ksi	-34.20	-1.61	-1.97	12.721	508.85
104.00	87.4	Shear	kip	414.51	-66.04	-72.87	3.504	140.17
104.00	87.4	Flexure	ksi	-34.32	-8.06	-5.47	4.804	192.17
104.00	87.4	Flexure	ksi	-34.20	-6.08	-3.90	5.546	221.84

107.10	90.0	Shear	kip	518.17	-70.82	-75.14	4.398	175.93
107.10	90.0	Flexure	ksi	-34.32	-8.06	-5.47	4.804	192.17
107.10	90.0	Flexure	ksi	-34.20	-5.56	-3.37	6.535	261.41
119.00	100.0	Shear	kip	390.83	89.42	83.39	2.574	102.96
119.00	100.0	Flexure	ksi	-35.90	-14.53	-8.57	2.494	99.74
119.00	100.0	Flexure	ksi	-34.20	-11.44	-5.81	3.011	120.44

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.92	71.33	4.632	185.28
11.90	10.0	Flexure	ksi	-35.90	-13.25	-7.97	2.841	113.64
11.90	10.0	Flexure	ksi	-34.20	-5.56	-3.38	6.521	260.86
15.00	12.6	Shear	kip	414.51	65.99	69.20	3.691	147.63
15.00	12.6	Flexure	ksi	-34.32	-7.73	-5.76	4.619	184.77
15.00	12.6	Flexure	ksi	-34.20	-6.08	-3.89	5.553	222.13
23.50	19.7	Shear	kip	424.98	53.52	62.72	4.392	175.67
23.50	19.7	Flexure	ksi	-34.32	-7.73	-5.76	4.619	184.77
23.50	19.7	Flexure	ksi	-34.20	-1.61	-1.97	12.730	509.20
23.80	20.0	Shear	kip	404.69	53.08	62.47	4.166	166.64
23.80	20.0	Flexure	ksi	-34.32	-7.73	-5.76	4.619	184.77
23.80	20.0	Flexure	ksi	-34.20	-1.47	-1.91	13.191	527.62
35.70	30.0	Shear	kip	395.43	35.46	52.15	5.179	207.16
35.70	30.0	Flexure	ksi	36.00	3.98	2.42	13.207	528.27
35.70	30.0	Flexure	ksi	34.20	3.19	1.86	12.793	511.71
47.60	40.0	Shear	kip	395.43	17.84	41.08	6.987	279.46
47.60	40.0	Flexure	ksi	36.00	7.48	4.39	6.500	260.01
47.60	40.0	Flexure	ksi	34.20	5.98	3.38	6.431	257.24
59.50	50.0	Shear	kip	395.43	0.22	30.10	10.097	403.89
59.50	50.0	Flexure	ksi	36.00	8.66	5.48	4.994	199.74
59.50	50.0	Flexure	ksi	34.20	6.93	4.21	4.981	199.25
71.40	60.0	Shear	kip	395.43	-17.40	-25.54	11.255	450.18
71.40	60.0	Flexure	ksi	36.00	7.52	5.68	5.018	200.71
71.40	60.0	Flexure	ksi	34.20	6.02	4.37	4.966	198.63
83.30	70.0	Shear	kip	395.43	-35.01	-36.40	7.431	297.25
83.30	70.0	Flexure	ksi	36.00	4.07	5.06	6.308	252.30
83.30	70.0	Flexure	ksi	34.20	3.26	3.89	6.113	244.51
95.20	80.0	Shear	kip	404.69	-52.63	-48.36	5.391	215.62
95.20	80.0	Flexure	ksi	-35.33	-2.82	-3.98	8.159	326.34
95.20	80.0	Flexure	ksi	-34.20	-1.36	-2.62	9.651	386.04

95.50	80.3	Shear	kip	424.98	-53.07	-48.66	5.670	226.80
95.50	80.3	Flexure	ksi	-34.63	-2.82	-3.98	7.985	319.38
95.50	80.3	Flexure	ksi	-34.20	-1.50	-2.63	9.556	382.26
106.00	89.1	Shear	kip	414.51	-68.64	-59.61	4.242	169.69
106.00	89.1	Flexure	ksi	-34.32	-9.07	-4.63	5.453	218.11
106.00	89.1	Flexure	ksi	-34.20	-7.14	-3.13	6.644	265.77
107.10	90.0	Shear	kip	518.17	-70.33	-60.67	5.455	218.19
107.10	90.0	Flexure	ksi	-34.32	-9.07	-4.63	5.453	218.11
107.10	90.0	Flexure	ksi	-34.20	-5.46	-2.29	9.649	385.96
119.00	100.0	Shear	kip	390.83	90.65	76.58	2.788	111.51
119.00	100.0	Flexure	ksi	-35.90	-14.36	-3.99	5.399	215.98
119.00	100.0	Flexure	ksi	-34.20	-11.31	-2.71	6.506	260.25

Span 4

Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	75.81	64.37	5.060	202.39
9.52	10.0	Flexure	ksi	-35.90	-13.06	-3.45	6.621	264.83
9.52	10.0	Flexure	ksi	-34.20	-6.42	-2.12	10.099	403.95
13.00	13.6	Shear	kip	414.51	70.46	61.44	4.087	163.49
13.00	13.6	Flexure	ksi	-34.63	-13.06	-3.45	6.253	250.11
13.00	13.6	Flexure	ksi	-34.20	-6.94	-2.82	7.426	297.04
19.05	20.0	Shear	kip	414.51	61.42	56.06	4.635	185.38
19.05	20.0	Flexure	ksi	-34.63	-7.30	-4.07	6.709	268.36
19.05	20.0	Flexure	ksi	-34.20	-3.42	-2.62	9.050	361.99
23.50	24.7	Shear	kip	424.98	54.89	51.87	5.285	211.39
23.50	24.7	Flexure	ksi	-34.63	-7.30	-4.07	6.709	268.36
23.50	24.7	Flexure	ksi	34.20	-1.14	2.73	9.960	398.39
28.58	30.0	Shear	kip	395.43	47.29	46.89	5.517	220.69
28.58	30.0	Flexure	ksi	36.00	1.44	4.77	7.251	290.06
28.58	30.0	Flexure	ksi	34.20	1.15	3.67	6.934	277.37
38.10	40.0	Shear	kip	395.43	33.32	37.07	7.342	293.69
38.10	40.0	Flexure	ksi	36.00	5.69	6.22	4.870	194.80
38.10	40.0	Flexure	ksi	34.20	4.55	4.79	4.764	190.54
47.63	50.0	Shear	kip	395.43	19.18	27.39	10.432	417.28
47.63	50.0	Flexure	ksi	36.00	8.45	6.89	4.000	160.01
47.63	50.0	Flexure	ksi	34.20	6.76	5.30	3.984	159.36
57.15	60.0	Shear	kip	395.43	5.05	-23.70	13.041	521.65
57.15	60.0	Flexure	ksi	36.00	9.72	7.22	3.637	145.49
57.15	60.0	Flexure	ksi	34.20	7.78	5.56	3.657	146.29

66.68	70.0	Shear	kip	395.43	-9.09	-32.45	9.104	364.17
66.68	70.0	Flexure	ksi	36.00	9.52	6.85	3.867	154.66
66.68	70.0	Flexure	ksi	34.20	7.62	5.27	3.882	155.27
76.20	80.0	Shear	kip	395.43	-23.06	-42.26	6.672	266.90
76.20	80.0	Flexure	ksi	36.00	7.83	5.47	5.148	205.92
76.20	80.0	Flexure	ksi	34.20	6.26	4.21	5.105	204.21
85.72	90.0	Shear	kip	395.43	-37.19	-53.04	5.060	202.41
85.72	90.0	Flexure	ksi	36.00	4.66	3.28	9.553	382.12
85.72	90.0	Flexure	ksi	34.20	3.72	2.52	9.288	371.53
95.25	100.0	Shear	kip	469.80	-51.33	-64.64	4.828	193.10
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3960.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3960.00

Detailed Rating Results
Wizard Alternative
SU4
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal	Legal
							Rating	Load
Location								Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	54.59	2.751	74.27
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2673.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2673.00
9.52	10.0	Shear	kip	395.43	37.15	47.02	5.710	154.16
9.52	10.0	Flexure	ksi	36.00	4.66	3.05	10.266	277.17
9.52	10.0	Flexure	ksi	34.20	3.73	2.35	9.981	269.49
19.05	20.0	Shear	kip	395.43	23.17	39.63	7.114	192.08
19.05	20.0	Flexure	ksi	36.00	7.83	5.15	5.474	147.79
19.05	20.0	Flexure	ksi	34.20	6.26	3.96	5.428	146.56
28.58	30.0	Shear	kip	395.43	9.04	32.50	9.092	245.48
28.58	30.0	Flexure	ksi	36.00	9.52	6.39	4.142	111.82
28.58	30.0	Flexure	ksi	34.20	7.61	4.92	4.158	112.26
38.10	40.0	Shear	kip	395.43	-5.09	25.77	11.995	323.87
38.10	40.0	Flexure	ksi	36.00	9.72	6.90	3.808	102.82
38.10	40.0	Flexure	ksi	34.20	7.78	5.31	3.829	103.38
47.63	50.0	Shear	kip	395.43	-19.23	-31.76	8.994	242.85
47.63	50.0	Flexure	ksi	36.00	8.45	6.71	4.106	110.85

47.63	50.0	Flexure	ksi	34.20	6.76	5.16	4.089	110.41
57.15	60.0	Shear	kip	395.43	-33.20	-38.58	7.056	190.52
57.15	60.0	Flexure	ksi	36.00	5.68	5.94	5.108	137.91
57.15	60.0	Flexure	ksi	34.20	4.55	4.57	4.996	134.89
66.68	70.0	Shear	kip	395.43	-47.34	-45.09	5.736	154.88
66.68	70.0	Flexure	ksi	36.00	1.44	4.61	7.494	202.33
66.68	70.0	Flexure	ksi	34.20	1.15	3.55	7.166	193.48
71.75	75.3	Shear	kip	424.98	-54.94	-48.63	5.636	152.18
71.75	75.3	Flexure	ksi	-33.94	-8.82	-3.36	7.480	201.97
71.75	75.3	Flexure	ksi	34.20	-1.14	2.79	9.738	262.93
76.20	80.0	Shear	kip	414.51	-61.47	-51.08	5.085	137.29
76.20	80.0	Flexure	ksi	-33.94	-8.82	-3.36	7.480	201.97
76.20	80.0	Flexure	ksi	-34.20	-3.42	-2.11	11.246	303.64
82.25	86.4	Shear	kip	414.51	-70.35	-54.78	4.586	123.81
82.25	86.4	Flexure	ksi	-33.94	-8.82	-3.36	7.480	201.97
82.25	86.4	Flexure	ksi	-34.20	-6.94	-2.27	9.228	249.17
85.72	90.0	Shear	kip	518.17	-75.86	-56.41	5.773	155.87
85.72	90.0	Flexure	ksi	-35.90	-14.36	-3.24	6.655	179.68
85.72	90.0	Flexure	ksi	-34.20	-6.42	-1.70	12.550	338.86
95.25	100.0	Shear	kip	390.83	88.94	60.25	3.570	96.40
95.25	100.0	Flexure	ksi	-35.90	-14.36	-3.24	6.655	179.68
95.25	100.0	Flexure	ksi	-34.20	-11.31	-2.20	8.019	216.51

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	50.59	6.540	176.59
11.90	10.0	Flexure	ksi	-35.90	-12.96	-3.15	7.278	196.50
11.90	10.0	Flexure	ksi	-34.20	-5.46	-1.86	11.892	321.09
13.00	10.9	Shear	kip	414.51	68.74	49.96	5.059	136.59
13.00	10.9	Flexure	ksi	-34.63	-12.96	-3.15	6.875	185.62
13.00	10.9	Flexure	ksi	-34.20	-7.14	-2.54	8.190	221.12
23.50	19.7	Shear	kip	424.98	53.18	43.56	6.331	170.94
23.50	19.7	Flexure	ksi	-34.63	-8.26	-3.70	7.137	192.70
23.50	19.7	Flexure	ksi	34.20	-1.50	2.77	9.905	267.44
23.80	20.0	Shear	kip	404.69	52.74	43.36	6.009	162.25
23.80	20.0	Flexure	ksi	-35.33	-8.26	-3.70	7.325	197.77
23.80	20.0	Flexure	ksi	34.20	-1.36	2.81	9.747	263.16
35.70	30.0	Shear	kip	395.43	35.12	35.43	7.632	206.05
35.70	30.0	Flexure	ksi	36.00	4.07	4.94	6.468	174.64

35.70	30.0	Flexure	ksi	34.20	3.26	3.80	6.268	169.25
47.60	40.0	Shear	kip	395.43	17.50	27.29	10.529	284.28
47.60	40.0	Flexure	ksi	36.00	7.52	5.52	5.157	139.24
47.60	40.0	Flexure	ksi	34.20	6.02	4.25	5.104	137.80
59.50	50.0	Shear	kip	395.43	-0.12	-31.92	9.525	257.17
59.50	50.0	Flexure	ksi	36.00	8.66	5.32	5.137	138.71
59.50	50.0	Flexure	ksi	34.20	6.93	4.09	5.124	138.36
71.40	60.0	Shear	kip	395.43	-17.74	-40.24	7.135	192.64
71.40	60.0	Flexure	ksi	36.00	7.48	4.36	6.548	176.79
71.40	60.0	Flexure	ksi	34.20	5.98	3.35	6.478	174.90
83.30	70.0	Shear	kip	395.43	-35.35	-48.11	5.616	151.64
83.30	70.0	Flexure	ksi	36.00	3.98	2.81	11.391	307.55
83.30	70.0	Flexure	ksi	34.20	3.19	2.16	11.034	297.91
95.20	80.0	Shear	kip	404.69	-52.97	-54.87	4.745	128.13
95.20	80.0	Flexure	ksi	-35.33	-2.96	-2.87	11.267	304.20
95.20	80.0	Flexure	ksi	-34.20	-1.47	-1.67	15.121	408.27
95.50	80.3	Shear	kip	424.98	-53.41	-55.00	5.010	135.27
95.50	80.3	Flexure	ksi	-34.63	-2.96	-2.87	11.025	297.68
95.50	80.3	Flexure	ksi	-34.20	-1.61	-1.71	14.640	395.28
104.00	87.4	Shear	kip	414.51	-66.04	-59.00	4.328	116.85
104.00	87.4	Flexure	ksi	-34.32	-8.06	-4.35	6.041	163.11
104.00	87.4	Flexure	ksi	-34.20	-6.08	-3.16	6.842	184.73
107.10	90.0	Shear	kip	518.17	-70.82	-59.95	5.513	148.85
107.10	90.0	Flexure	ksi	-34.32	-8.06	-4.35	6.041	163.11
107.10	90.0	Flexure	ksi	-34.20	-5.56	-2.70	8.160	220.32
119.00	100.0	Shear	kip	390.83	89.42	63.01	3.407	91.98
119.00	100.0	Flexure	ksi	-35.90	-14.53	-6.62	3.229	87.18
119.00	100.0	Flexure	ksi	-34.20	-11.44	-4.49	3.899	105.28

Span 3

Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.92	56.92	5.805	156.73
11.90	10.0	Flexure	ksi	-35.90	-13.25	-6.18	3.664	98.92
11.90	10.0	Flexure	ksi	-34.20	-5.56	-2.70	8.165	220.46
15.00	12.6	Shear	kip	414.51	65.99	56.03	4.558	123.08
15.00	12.6	Flexure	ksi	-34.32	-7.73	-4.67	5.693	153.71
15.00	12.6	Flexure	ksi	-34.20	-6.08	-3.16	6.844	184.79
23.50	19.7	Shear	kip	424.98	53.52	52.88	5.209	140.64
23.50	19.7	Flexure	ksi	-34.32	-7.73	-4.67	5.693	153.71

23.50	19.7	Flexure	ksi	-34.20	-1.61	-1.71	14.650	395.56
23.80	20.0	Shear	kip	404.69	53.08	52.75	4.934	133.21
23.80	20.0	Flexure	ksi	-34.32	-7.73	-4.67	5.693	153.71
23.80	20.0	Flexure	ksi	-34.20	-1.47	-1.67	15.116	408.14
35.70	30.0	Shear	kip	395.43	35.46	46.85	5.764	155.63
35.70	30.0	Flexure	ksi	36.00	3.98	2.81	11.411	308.09
35.70	30.0	Flexure	ksi	34.20	3.19	2.16	11.053	298.43
47.60	40.0	Shear	kip	395.43	17.84	39.71	7.228	195.16
47.60	40.0	Flexure	ksi	36.00	7.48	4.35	6.553	176.94
47.60	40.0	Flexure	ksi	34.20	5.98	3.35	6.483	175.05
59.50	50.0	Shear	kip	395.43	0.22	31.92	9.522	257.10
59.50	50.0	Flexure	ksi	36.00	8.66	5.32	5.140	138.78
59.50	50.0	Flexure	ksi	34.20	6.93	4.09	5.127	138.44
71.40	60.0	Shear	kip	395.43	-17.40	-27.65	10.394	280.64
71.40	60.0	Flexure	ksi	36.00	7.52	5.52	5.155	139.18
71.40	60.0	Flexure	ksi	34.20	6.02	4.25	5.101	137.73
83.30	70.0	Shear	kip	395.43	-35.01	-36.38	7.436	200.77
83.30	70.0	Flexure	ksi	36.00	4.07	4.94	6.465	174.55
83.30	70.0	Flexure	ksi	34.20	3.26	3.80	6.265	169.16
95.20	80.0	Shear	kip	404.69	-52.63	-45.10	5.780	156.07
95.20	80.0	Flexure	ksi	-35.33	-2.82	-3.24	10.033	270.90
95.20	80.0	Flexure	ksi	34.20	-1.36	2.81	9.737	262.90
95.50	80.3	Shear	kip	424.98	-53.07	-45.30	6.090	164.43
95.50	80.3	Flexure	ksi	-34.63	-2.82	-3.24	9.819	265.12
95.50	80.3	Flexure	ksi	34.20	-1.50	2.78	9.896	267.20
106.00	89.1	Shear	kip	414.51	-68.64	-52.62	4.805	129.74
106.00	89.1	Flexure	ksi	-34.32	-9.07	-3.76	6.706	181.06
106.00	89.1	Flexure	ksi	-34.20	-7.14	-2.55	8.171	220.62
107.10	90.0	Shear	kip	518.17	-70.33	-53.29	6.211	167.69
107.10	90.0	Flexure	ksi	-34.32	-9.07	-3.76	6.706	181.06
107.10	90.0	Flexure	ksi	-34.20	-5.46	-1.86	11.866	320.39
119.00	100.0	Shear	kip	390.83	90.65	61.28	3.484	94.06
119.00	100.0	Flexure	ksi	-35.90	-14.36	-3.24	6.640	179.29
119.00	100.0	Flexure	ksi	-34.20	-11.31	-2.20	8.001	216.04

Span 4

							Legal	Legal
Location							Rating	Load
(ft)	Percent	Limit	Units	Capacity	DL + Adj	LL	Factor	Rating
		State			-LL*			(Ton)
9.52	10.0	Shear	kip	518.17	75.81	53.74	6.061	163.64
9.52	10.0	Flexure	ksi	-35.90	-13.06	-2.85	8.026	216.70

9.52	10.0	Flexure	ksi	-34.20	-6.42	-1.70	12.544	338.69
13.00	13.6	Shear	kip	414.51	70.46	52.18	4.812	129.93
13.00	13.6	Flexure	ksi	-34.63	-13.06	-2.85	7.580	204.65
13.00	13.6	Flexure	ksi	-34.20	-6.94	-2.27	9.224	249.05
19.05	20.0	Shear	kip	414.51	61.42	49.25	5.275	142.44
19.05	20.0	Flexure	ksi	-34.63	-7.30	-3.28	8.334	225.01
19.05	20.0	Flexure	ksi	-34.20	-3.42	-2.11	11.241	303.51
23.50	24.7	Shear	kip	424.98	54.89	46.88	5.847	157.87
23.50	24.7	Flexure	ksi	-34.63	-7.30	-3.28	8.334	225.01
23.50	24.7	Flexure	ksi	34.20	-1.14	2.79	9.741	263.00
28.58	30.0	Shear	kip	395.43	47.29	44.00	5.880	158.76
28.58	30.0	Flexure	ksi	36.00	1.44	4.61	7.492	202.27
28.58	30.0	Flexure	ksi	34.20	1.15	3.55	7.164	193.43
38.10	40.0	Shear	kip	395.43	33.32	38.11	7.141	192.82
38.10	40.0	Flexure	ksi	36.00	5.69	5.93	5.112	138.02
38.10	40.0	Flexure	ksi	34.20	4.55	4.56	5.000	135.00
47.63	50.0	Shear	kip	395.43	19.18	31.77	8.995	242.87
47.63	50.0	Flexure	ksi	36.00	8.45	6.71	4.104	110.81
47.63	50.0	Flexure	ksi	34.20	6.76	5.16	4.088	110.37
57.15	60.0	Shear	kip	395.43	5.05	-26.08	11.850	319.95
57.15	60.0	Flexure	ksi	36.00	9.72	6.90	3.808	102.81
57.15	60.0	Flexure	ksi	34.20	7.78	5.31	3.829	103.37
66.68	70.0	Shear	kip	395.43	-9.09	-33.32	8.868	239.44
66.68	70.0	Flexure	ksi	36.00	9.52	6.39	4.141	111.81
66.68	70.0	Flexure	ksi	34.20	7.62	4.92	4.158	112.25
76.20	80.0	Shear	kip	395.43	-23.06	-41.10	6.861	185.25
76.20	80.0	Flexure	ksi	36.00	7.83	5.15	5.474	147.81
76.20	80.0	Flexure	ksi	34.20	6.26	3.96	5.429	146.58
85.72	90.0	Shear	kip	395.43	-37.19	-49.36	5.438	146.82
85.72	90.0	Flexure	ksi	36.00	4.66	3.05	10.265	277.17
85.72	90.0	Flexure	ksi	34.20	3.72	2.35	9.981	269.49
95.25	100.0	Shear	kip	469.80	-51.33	-57.99	5.381	145.29
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2673.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2673.00

Detailed Rating Results
Wizard Alternative
SU5
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	61.32	2.449	75.91
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3069.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3069.00
9.52	10.0	Shear	kip	395.43	37.15	52.66	5.098	158.02
9.52	10.0	Flexure	ksi	36.00	4.66	3.42	9.165	284.12
9.52	10.0	Flexure	ksi	34.20	3.73	2.63	8.911	276.25
19.05	20.0	Shear	kip	395.43	23.17	44.23	6.373	197.58
19.05	20.0	Flexure	ksi	36.00	7.83	5.74	4.904	152.02
19.05	20.0	Flexure	ksi	34.20	6.26	4.42	4.863	150.76
28.58	30.0	Shear	kip	395.43	9.04	36.12	8.180	253.59
28.58	30.0	Flexure	ksi	36.00	9.52	7.18	3.690	114.39
28.58	30.0	Flexure	ksi	34.20	7.61	5.52	3.704	114.83
38.10	40.0	Shear	kip	395.43	-5.09	28.48	10.853	336.44
38.10	40.0	Flexure	ksi	36.00	9.72	7.70	3.412	105.78
38.10	40.0	Flexure	ksi	34.20	7.78	5.92	3.431	106.36
47.63	50.0	Shear	kip	395.43	-19.23	-35.21	8.113	251.50
47.63	50.0	Flexure	ksi	36.00	8.45	7.48	3.684	114.20
47.63	50.0	Flexure	ksi	34.20	6.76	5.75	3.669	113.74
57.15	60.0	Shear	kip	395.43	-33.20	-43.11	6.315	195.78
57.15	60.0	Flexure	ksi	36.00	5.68	6.63	4.570	141.68
57.15	60.0	Flexure	ksi	34.20	4.55	5.10	4.470	138.58
66.68	70.0	Shear	kip	395.43	-47.34	-50.66	5.105	158.27
66.68	70.0	Flexure	ksi	36.00	1.44	5.14	6.720	208.34
66.68	70.0	Flexure	ksi	34.20	1.15	3.96	6.426	199.22
71.75	75.3	Shear	kip	424.98	-54.94	-54.77	5.004	155.12
71.75	75.3	Flexure	ksi	-33.94	-8.82	-3.83	6.562	203.43
71.75	75.3	Flexure	ksi	34.20	-1.14	3.10	8.775	272.03
76.20	80.0	Shear	kip	414.51	-61.47	-57.65	4.506	139.68
76.20	80.0	Flexure	ksi	-33.94	-8.82	-3.83	6.562	203.43
76.20	80.0	Flexure	ksi	-34.20	-3.42	-2.40	9.866	305.84
82.25	86.4	Shear	kip	414.51	-70.35	-61.97	4.054	125.67
82.25	86.4	Flexure	ksi	-33.94	-8.82	-3.83	6.562	203.43
82.25	86.4	Flexure	ksi	-34.20	-6.94	-2.59	8.096	250.97
85.72	90.0	Shear	kip	518.17	-75.86	-63.89	5.097	158.01
85.72	90.0	Flexure	ksi	-35.90	-14.36	-3.69	5.841	181.07
85.72	90.0	Flexure	ksi	-34.20	-6.42	-1.94	11.010	341.31
95.25	100.0	Shear	kip	390.83	88.94	68.24	3.152	97.73
95.25	100.0	Flexure	ksi	-35.90	-14.36	-3.69	5.841	181.07

95.25	100.0	Flexure	ksi	-34.20	-11.31	-2.50	7.038	218.18
Span 2								
Location	(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Legal
								Rating
								Legal Load Rating
							Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	57.04	5.800	179.81
11.90	10.0	Flexure	ksi	-35.90	-12.96	-3.59	6.387	198.01
11.90	10.0	Flexure	ksi	-34.20	-5.46	-2.12	10.438	323.56
13.00	10.9	Shear	kip	414.51	68.74	56.31	4.489	139.15
13.00	10.9	Flexure	ksi	-34.63	-12.96	-3.59	6.034	187.05
13.00	10.9	Flexure	ksi	-34.20	-7.14	-2.90	7.188	222.82
23.50	19.7	Shear	kip	424.98	53.18	48.87	5.643	174.94
23.50	19.7	Flexure	ksi	-34.63	-8.26	-4.21	6.264	194.19
23.50	19.7	Flexure	ksi	34.20	-1.50	3.07	8.944	277.27
23.80	20.0	Shear	kip	404.69	52.74	48.65	5.357	166.07
23.80	20.0	Flexure	ksi	-35.33	-8.26	-4.21	6.429	199.29
23.80	20.0	Flexure	ksi	34.20	-1.36	3.11	8.799	272.76
35.70	30.0	Shear	kip	395.43	35.12	39.51	6.844	212.17
35.70	30.0	Flexure	ksi	36.00	4.07	5.50	5.808	180.05
35.70	30.0	Flexure	ksi	34.20	3.26	4.23	5.629	174.49
47.60	40.0	Shear	kip	395.43	17.50	30.20	9.514	294.92
47.60	40.0	Flexure	ksi	36.00	7.52	6.14	4.641	143.87
47.60	40.0	Flexure	ksi	34.20	6.02	4.72	4.593	142.38
59.50	50.0	Shear	kip	395.43	-0.12	-35.47	8.572	265.72
59.50	50.0	Flexure	ksi	36.00	8.66	5.92	4.617	143.14
59.50	50.0	Flexure	ksi	34.20	6.93	4.55	4.606	142.78
71.40	60.0	Shear	kip	395.43	-17.74	-45.05	6.373	197.58
71.40	60.0	Flexure	ksi	36.00	7.48	4.84	5.896	182.78
71.40	60.0	Flexure	ksi	34.20	5.98	3.72	5.833	180.83
83.30	70.0	Shear	kip	395.43	-35.35	-54.18	4.987	154.59
83.30	70.0	Flexure	ksi	36.00	3.98	3.06	10.451	323.98
83.30	70.0	Flexure	ksi	34.20	3.19	2.36	10.123	313.83
95.20	80.0	Shear	kip	404.69	-52.97	-62.11	4.192	129.95
95.20	80.0	Flexure	ksi	-35.33	-2.96	-3.26	9.915	307.36
95.20	80.0	Flexure	ksi	-34.20	-1.47	-1.89	13.294	412.10
95.50	80.3	Shear	kip	424.98	-53.41	-62.27	4.425	137.18
95.50	80.3	Flexure	ksi	-34.63	-2.96	-3.26	9.702	300.78
95.50	80.3	Flexure	ksi	-34.20	-1.61	-1.95	12.875	399.14
104.00	87.4	Shear	kip	414.51	-66.04	-67.03	3.810	118.10
104.00	87.4	Flexure	ksi	-34.32	-7.73	-5.32	4.999	154.98

104.00	87.4	Flexure	ksi	-34.20	-6.08	-3.60	6.010	186.32
107.10	90.0	Shear	kip	518.17	-70.82	-68.20	4.846	150.22
107.10	90.0	Flexure	ksi	-34.32	-7.73	-5.32	4.999	154.98
107.10	90.0	Flexure	ksi	-34.20	-5.56	-3.08	7.162	222.01
119.00	100.0	Shear	kip	390.83	89.42	72.01	2.981	92.41
119.00	100.0	Flexure	ksi	-35.90	-14.53	-7.55	2.830	87.73
119.00	100.0	Flexure	ksi	-34.20	-11.44	-5.12	3.417	105.93

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.92	64.75	5.103	158.19
11.90	10.0	Flexure	ksi	-35.90	-13.25	-7.05	3.211	99.54
11.90	10.0	Flexure	ksi	-34.20	-5.56	-3.07	7.165	222.13
15.00	12.6	Shear	kip	414.51	65.99	63.65	4.013	124.40
15.00	12.6	Flexure	ksi	-34.32	-7.73	-5.32	4.997	154.92
15.00	12.6	Flexure	ksi	-34.20	-6.08	-3.60	6.008	186.24
23.50	19.7	Shear	kip	424.98	53.52	59.87	4.601	142.63
23.50	19.7	Flexure	ksi	-34.32	-7.73	-5.32	4.997	154.92
23.50	19.7	Flexure	ksi	-34.20	-1.61	-1.94	12.891	399.62
23.80	20.0	Shear	kip	404.69	53.08	59.72	4.358	135.11
23.80	20.0	Flexure	ksi	-34.32	-7.73	-5.32	4.997	154.92
23.80	20.0	Flexure	ksi	-34.20	-1.47	-1.89	13.306	412.49
35.70	30.0	Shear	kip	395.43	35.46	52.77	5.119	158.67
35.70	30.0	Flexure	ksi	36.00	3.98	3.06	10.470	324.58
35.70	30.0	Flexure	ksi	34.20	3.19	2.35	10.142	314.40
47.60	40.0	Shear	kip	395.43	17.84	44.45	6.457	200.15
47.60	40.0	Flexure	ksi	36.00	7.48	4.83	5.902	182.95
47.60	40.0	Flexure	ksi	34.20	5.98	3.72	5.839	181.00
59.50	50.0	Shear	kip	395.43	0.22	35.47	8.569	265.63
59.50	50.0	Flexure	ksi	36.00	8.66	5.92	4.620	143.23
59.50	50.0	Flexure	ksi	34.20	6.93	4.55	4.609	142.87
71.40	60.0	Shear	kip	395.43	-17.40	-30.60	9.393	291.18
71.40	60.0	Flexure	ksi	36.00	7.52	6.14	4.639	143.80
71.40	60.0	Flexure	ksi	34.20	6.02	4.72	4.591	142.31
83.30	70.0	Shear	kip	395.43	-35.01	-40.56	6.669	206.74
83.30	70.0	Flexure	ksi	36.00	4.07	5.50	5.805	179.95
83.30	70.0	Flexure	ksi	34.20	3.26	4.23	5.625	174.39
95.20	80.0	Shear	kip	404.69	-52.63	-50.59	5.153	159.74
95.20	80.0	Flexure	ksi	-35.33	-2.82	-3.69	8.815	273.27

95.20	80.0	Flexure	ksi	34.20	-1.36	3.11	8.790	272.50
95.50	80.3	Shear	kip	424.98	-53.07	-50.82	5.428	168.27
95.50	80.3	Flexure	ksi	-34.63	-2.82	-3.69	8.627	267.44
95.50	80.3	Flexure	ksi	34.20	-1.50	3.07	8.937	277.05
106.00	89.1	Shear	kip	414.51	-68.64	-59.31	4.263	132.16
106.00	89.1	Flexure	ksi	-34.32	-9.07	-4.29	5.892	182.65
106.00	89.1	Flexure	ksi	-34.20	-7.14	-2.90	7.179	222.55
107.10	90.0	Shear	kip	518.17	-70.33	-60.08	5.508	170.76
107.10	90.0	Flexure	ksi	-34.32	-9.07	-4.29	5.892	182.65
107.10	90.0	Flexure	ksi	-34.20	-5.46	-2.12	10.426	323.19
119.00	100.0	Shear	kip	390.83	90.65	69.62	3.066	95.06
119.00	100.0	Flexure	ksi	-35.90	-14.36	-3.69	5.834	180.86
119.00	100.0	Flexure	ksi	-34.20	-11.31	-2.51	7.030	217.93

Span 4

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	75.81	60.86	5.351	165.90
9.52	10.0	Flexure	ksi	-35.90	-13.06	-3.24	7.050	218.55
9.52	10.0	Flexure	ksi	-34.20	-6.42	-1.94	11.024	341.73
13.00	13.6	Shear	kip	414.51	70.46	59.04	4.254	131.86
13.00	13.6	Flexure	ksi	-34.63	-13.06	-3.24	6.658	206.40
13.00	13.6	Flexure	ksi	-34.20	-6.94	-2.59	8.106	251.29
19.05	20.0	Shear	kip	414.51	61.42	55.58	4.675	144.91
19.05	20.0	Flexure	ksi	-34.63	-7.30	-3.73	7.324	227.03
19.05	20.0	Flexure	ksi	-34.20	-3.42	-2.40	9.879	306.24
23.50	24.7	Shear	kip	424.98	54.89	52.80	5.191	160.93
23.50	24.7	Flexure	ksi	-34.63	-7.30	-3.73	7.324	227.03
23.50	24.7	Flexure	ksi	34.20	-1.14	3.10	8.780	272.18
28.58	30.0	Shear	kip	395.43	47.29	49.44	5.233	162.22
28.58	30.0	Flexure	ksi	36.00	1.44	5.14	6.720	208.31
28.58	30.0	Flexure	ksi	34.20	1.15	3.96	6.426	199.20
38.10	40.0	Shear	kip	395.43	33.32	42.58	6.391	198.14
38.10	40.0	Flexure	ksi	36.00	5.69	6.63	4.573	141.75
38.10	40.0	Flexure	ksi	34.20	4.55	5.10	4.473	138.65
47.63	50.0	Shear	kip	395.43	19.18	35.22	8.114	251.52
47.63	50.0	Flexure	ksi	36.00	8.45	7.48	3.683	114.17
47.63	50.0	Flexure	ksi	34.20	6.76	5.76	3.668	113.71
57.15	60.0	Shear	kip	395.43	5.05	-28.82	10.721	332.36
57.15	60.0	Flexure	ksi	36.00	9.72	7.70	3.412	105.79

57.15	60.0	Flexure	ksi	34.20	7.78	5.92	3.431	106.37
66.68	70.0	Shear	kip	395.43	-9.09	-37.03	7.979	247.36
66.68	70.0	Flexure	ksi	36.00	9.52	7.18	3.689	114.36
66.68	70.0	Flexure	ksi	34.20	7.62	5.52	3.704	114.81
76.20	80.0	Shear	kip	395.43	-23.06	-45.88	6.147	190.56
76.20	80.0	Flexure	ksi	36.00	7.83	5.74	4.905	152.05
76.20	80.0	Flexure	ksi	34.20	6.26	4.42	4.864	150.78
85.72	90.0	Shear	kip	395.43	-37.19	-55.29	4.855	150.50
85.72	90.0	Flexure	ksi	36.00	4.66	3.42	9.165	284.12
85.72	90.0	Flexure	ksi	34.20	3.72	2.63	8.911	276.24
95.25	100.0	Shear	kip	469.80	-51.33	-65.14	4.790	148.50
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3069.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3069.00

Detailed Rating Results
Wizard Alternative
SU6
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	66.15	2.270	78.88
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3440.25
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3440.25
9.52	10.0	Shear	kip	395.43	37.15	56.51	4.751	165.08
9.52	10.0	Flexure	ksi	36.00	4.66	3.69	8.495	295.22
9.52	10.0	Flexure	ksi	34.20	3.73	2.84	8.260	287.04
19.05	20.0	Shear	kip	395.43	23.17	47.14	5.980	207.79
19.05	20.0	Flexure	ksi	36.00	7.83	6.39	4.411	153.27
19.05	20.0	Flexure	ksi	34.20	6.26	4.91	4.374	151.99
28.58	30.0	Shear	kip	395.43	9.04	38.19	7.738	268.90
28.58	30.0	Flexure	ksi	36.00	9.52	7.92	3.345	116.22
28.58	30.0	Flexure	ksi	34.20	7.61	6.09	3.358	116.68
38.10	40.0	Shear	kip	395.43	-5.09	29.78	10.380	360.72
38.10	40.0	Flexure	ksi	36.00	9.72	8.56	3.069	106.65
38.10	40.0	Flexure	ksi	34.20	7.78	6.59	3.086	107.23
47.63	50.0	Shear	kip	395.43	-19.23	-37.13	7.694	267.38

47.63	50.0	Flexure	ksi	36.00	8.45	8.32	3.311	115.04
47.63	50.0	Flexure	ksi	34.20	6.76	6.40	3.297	114.58
57.15	60.0	Shear	kip	395.43	-33.20	-46.11	5.904	205.16
57.15	60.0	Flexure	ksi	36.00	5.68	7.33	4.134	143.67
57.15	60.0	Flexure	ksi	34.20	4.55	5.64	4.044	140.53
66.68	70.0	Shear	kip	395.43	-47.34	-54.75	4.724	164.17
66.68	70.0	Flexure	ksi	36.00	1.44	5.65	6.120	212.69
66.68	70.0	Flexure	ksi	34.20	1.15	4.34	5.853	203.38
71.75	75.3	Shear	kip	424.98	-54.94	-59.45	4.610	160.19
71.75	75.3	Flexure	ksi	-33.94	-8.82	-4.28	5.875	204.17
71.75	75.3	Flexure	ksi	34.20	-1.14	3.39	8.027	278.94
76.20	80.0	Shear	kip	414.51	-61.47	-62.78	4.137	143.77
76.20	80.0	Flexure	ksi	-33.94	-8.82	-4.28	5.875	204.17
76.20	80.0	Flexure	ksi	-34.20	-3.42	-2.68	8.833	306.94
82.25	86.4	Shear	kip	414.51	-70.35	-67.78	3.706	128.79
82.25	86.4	Flexure	ksi	-33.94	-8.82	-4.28	5.875	204.17
82.25	86.4	Flexure	ksi	-34.20	-6.94	-2.89	7.248	251.88
85.72	90.0	Shear	kip	518.17	-75.86	-70.03	4.650	161.58
85.72	90.0	Flexure	ksi	-35.90	-14.36	-4.12	5.224	181.52
85.72	90.0	Flexure	ksi	-34.20	-6.42	-2.17	9.857	342.54
95.25	100.0	Shear	kip	390.83	88.94	74.77	2.877	99.98
95.25	100.0	Flexure	ksi	-35.90	-14.36	-4.12	5.224	181.52
95.25	100.0	Flexure	ksi	-34.20	-11.31	-2.80	6.294	218.73

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	62.02	5.335	185.39
11.90	10.0	Flexure	ksi	-35.90	-12.96	-4.02	5.712	198.51
11.90	10.0	Flexure	ksi	-34.20	-5.46	-2.37	9.335	324.37
13.00	10.9	Shear	kip	414.51	68.74	61.17	4.132	143.59
13.00	10.9	Flexure	ksi	-34.63	-12.96	-4.02	5.396	187.52
13.00	10.9	Flexure	ksi	-34.20	-7.14	-3.24	6.428	223.38
23.50	19.7	Shear	kip	424.98	53.18	52.64	5.238	182.03
23.50	19.7	Flexure	ksi	-34.63	-8.26	-4.71	5.602	194.67
23.50	19.7	Flexure	ksi	34.20	-1.50	3.36	8.172	283.99
23.80	20.0	Shear	kip	404.69	52.74	52.39	4.974	172.85
23.80	20.0	Flexure	ksi	-35.33	-8.26	-4.71	5.749	199.79
23.80	20.0	Flexure	ksi	34.20	-1.36	3.40	8.036	279.25
35.70	30.0	Shear	kip	395.43	35.12	42.07	6.428	223.36

35.70	30.0	Flexure	ksi	36.00	4.07	6.08	5.252	182.52
35.70	30.0	Flexure	ksi	34.20	3.26	4.68	5.090	176.88
47.60	40.0	Shear	kip	395.43	17.50	31.70	9.066	315.04
47.60	40.0	Flexure	ksi	36.00	7.52	6.83	4.169	144.88
47.60	40.0	Flexure	ksi	34.20	6.02	5.25	4.126	143.38
59.50	50.0	Shear	kip	395.43	-0.12	-37.54	8.100	281.46
59.50	50.0	Flexure	ksi	36.00	8.66	6.57	4.159	144.52
59.50	50.0	Flexure	ksi	34.20	6.93	5.06	4.149	144.16
71.40	60.0	Shear	kip	395.43	-17.74	-48.34	5.939	206.39
71.40	60.0	Flexure	ksi	36.00	7.48	5.34	5.340	185.55
71.40	60.0	Flexure	ksi	34.20	5.98	4.11	5.283	183.57
83.30	70.0	Shear	kip	395.43	-35.35	-58.78	4.597	159.74
83.30	70.0	Flexure	ksi	36.00	3.98	3.37	9.496	329.98
83.30	70.0	Flexure	ksi	34.20	3.19	2.59	9.198	319.64
95.20	80.0	Shear	kip	404.69	-52.97	-68.02	3.828	133.02
95.20	80.0	Flexure	ksi	-35.33	-2.96	-3.65	8.876	308.45
95.20	80.0	Flexure	ksi	-34.20	-1.47	-2.11	11.926	414.43
95.50	80.3	Shear	kip	424.98	-53.41	-68.20	4.040	140.39
95.50	80.3	Flexure	ksi	-34.63	-2.96	-3.65	8.686	301.84
95.50	80.3	Flexure	ksi	-34.20	-1.61	-2.17	11.553	401.48
104.00	87.4	Shear	kip	414.51	-66.04	-73.88	3.456	120.10
104.00	87.4	Flexure	ksi	-34.32	-7.73	-5.95	4.471	155.37
104.00	87.4	Flexure	ksi	-34.20	-6.08	-4.02	5.375	186.78
107.10	90.0	Shear	kip	518.17	-70.82	-75.34	4.387	152.44
107.10	90.0	Flexure	ksi	-34.32	-7.73	-5.95	4.471	155.37
107.10	90.0	Flexure	ksi	-34.20	-5.56	-3.44	6.406	222.63
119.00	100.0	Shear	kip	390.83	89.42	80.19	2.677	93.02
119.00	100.0	Flexure	ksi	-35.90	-14.53	-8.45	2.530	87.91
119.00	100.0	Flexure	ksi	-34.20	-11.44	-5.73	3.055	106.16

Span 3

							Legal	Legal
Location							Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.92	71.54	4.618	160.49
11.90	10.0	Flexure	ksi	-35.90	-13.25	-7.89	2.872	99.78
11.90	10.0	Flexure	ksi	-34.20	-5.56	-3.44	6.408	222.66
15.00	12.6	Shear	kip	414.51	65.99	70.16	3.640	126.51
15.00	12.6	Flexure	ksi	-34.32	-7.73	-5.94	4.473	155.43
15.00	12.6	Flexure	ksi	-34.20	-6.08	-4.02	5.377	186.85
23.50	19.7	Shear	kip	424.98	53.52	65.58	4.200	145.95

23.50	19.7	Flexure	ksi	-34.32	-7.73	-5.94	4.473	155.43
23.50	19.7	Flexure	ksi	-34.20	-1.61	-2.17	11.553	401.47
23.80	20.0	Shear	kip	404.69	53.08	65.40	3.979	138.28
23.80	20.0	Flexure	ksi	-34.32	-7.73	-5.94	4.473	155.43
23.80	20.0	Flexure	ksi	-34.20	-1.47	-2.11	11.924	414.35
35.70	30.0	Shear	kip	395.43	35.46	57.25	4.718	163.94
35.70	30.0	Flexure	ksi	36.00	3.98	3.37	9.504	330.27
35.70	30.0	Flexure	ksi	34.20	3.19	2.59	9.206	319.92
47.60	40.0	Shear	kip	395.43	17.84	47.71	6.017	209.08
47.60	40.0	Flexure	ksi	36.00	7.48	5.34	5.342	185.63
47.60	40.0	Flexure	ksi	34.20	5.98	4.11	5.285	183.65
59.50	50.0	Shear	kip	395.43	0.22	37.54	8.097	281.38
59.50	50.0	Flexure	ksi	36.00	8.66	6.57	4.160	144.57
59.50	50.0	Flexure	ksi	34.20	6.93	5.06	4.150	144.21
71.40	60.0	Shear	kip	395.43	-17.40	-32.12	8.950	311.00
71.40	60.0	Flexure	ksi	36.00	7.52	6.83	4.168	144.84
71.40	60.0	Flexure	ksi	34.20	6.02	5.26	4.125	143.34
83.30	70.0	Shear	kip	395.43	-35.01	-43.19	6.263	217.64
83.30	70.0	Flexure	ksi	36.00	4.07	6.08	5.251	182.47
83.30	70.0	Flexure	ksi	34.20	3.26	4.68	5.089	176.83
95.20	80.0	Shear	kip	404.69	-52.63	-54.49	4.785	166.27
95.20	80.0	Flexure	ksi	-35.33	-2.82	-4.12	7.887	274.08
95.20	80.0	Flexure	ksi	34.20	-1.36	3.41	8.032	279.13
95.50	80.3	Shear	kip	424.98	-53.07	-54.75	5.039	175.10
95.50	80.3	Flexure	ksi	-34.63	-2.82	-4.12	7.719	268.23
95.50	80.3	Flexure	ksi	34.20	-1.50	3.36	8.169	283.88
106.00	89.1	Shear	kip	414.51	-68.64	-64.43	3.925	136.38
106.00	89.1	Flexure	ksi	-34.32	-9.07	-4.79	5.271	183.18
106.00	89.1	Flexure	ksi	-34.20	-7.14	-3.24	6.423	223.21
107.10	90.0	Shear	kip	518.17	-70.33	-65.32	5.067	176.07
107.10	90.0	Flexure	ksi	-34.32	-9.07	-4.79	5.271	183.18
107.10	90.0	Flexure	ksi	-34.20	-5.46	-2.37	9.328	324.15
119.00	100.0	Shear	kip	390.83	90.65	76.70	2.783	96.72
119.00	100.0	Flexure	ksi	-35.90	-14.36	-4.13	5.220	181.39
119.00	100.0	Flexure	ksi	-34.20	-11.31	-2.80	6.290	218.57

Span 4

							Legal Rating	Legal Load Rating
Location	(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	Factor	(Ton)
	9.52	10.0	Shear	kip	518.17	75.81	66.72	169.64

9.52	10.0	Flexure	ksi	-35.90	-13.06	-3.62	6.314	219.40
9.52	10.0	Flexure	ksi	-34.20	-6.42	-2.17	9.858	342.56
13.00	13.6	Shear	kip	414.51	70.46	64.57	3.889	135.13
13.00	13.6	Flexure	ksi	-34.63	-13.06	-3.62	5.963	207.20
13.00	13.6	Flexure	ksi	-34.20	-6.94	-2.89	7.249	251.89
19.05	20.0	Shear	kip	414.51	61.42	60.53	4.292	149.15
19.05	20.0	Flexure	ksi	-34.63	-7.30	-4.17	6.549	227.58
19.05	20.0	Flexure	ksi	-34.20	-3.42	-2.68	8.834	306.97
23.50	24.7	Shear	kip	424.98	54.89	57.31	4.783	166.20
23.50	24.7	Flexure	ksi	-34.63	-7.30	-4.17	6.549	227.58
23.50	24.7	Flexure	ksi	34.20	-1.14	3.38	8.034	279.18
28.58	30.0	Shear	kip	395.43	47.29	53.43	4.842	168.27
28.58	30.0	Flexure	ksi	36.00	1.44	5.65	6.121	212.70
28.58	30.0	Flexure	ksi	34.20	1.15	4.34	5.853	203.39
38.10	40.0	Shear	kip	395.43	33.32	45.55	5.975	207.64
38.10	40.0	Flexure	ksi	36.00	5.69	7.33	4.135	143.71
38.10	40.0	Flexure	ksi	34.20	4.55	5.64	4.045	140.57
47.63	50.0	Shear	kip	395.43	19.18	37.13	7.695	267.39
47.63	50.0	Flexure	ksi	36.00	8.45	8.32	3.310	115.03
47.63	50.0	Flexure	ksi	34.20	6.76	6.40	3.297	114.56
57.15	60.0	Shear	kip	395.43	5.05	-30.14	10.252	356.25
57.15	60.0	Flexure	ksi	36.00	9.72	8.56	3.069	106.65
57.15	60.0	Flexure	ksi	34.20	7.78	6.59	3.086	107.24
66.68	70.0	Shear	kip	395.43	-9.09	-39.13	7.549	262.34
66.68	70.0	Flexure	ksi	36.00	9.52	7.92	3.344	116.19
66.68	70.0	Flexure	ksi	34.20	7.62	6.09	3.357	116.65
76.20	80.0	Shear	kip	395.43	-23.06	-48.90	5.766	200.38
76.20	80.0	Flexure	ksi	36.00	7.83	6.39	4.411	153.29
76.20	80.0	Flexure	ksi	34.20	6.26	4.91	4.375	152.02
85.72	90.0	Shear	kip	395.43	-37.19	-59.32	4.525	157.23
85.72	90.0	Flexure	ksi	36.00	4.66	3.69	8.495	295.21
85.72	90.0	Flexure	ksi	34.20	3.72	2.84	8.260	287.03
95.25	100.0	Shear	kip	469.80	-51.33	-70.27	4.440	154.30
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3440.25
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3440.25

Detailed Rating Results**Wizard Alternative****SU7****Axle Load****Impact: As Requested****Lane: As Requested****Span 1**

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	70.93	2.117	82.04
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3836.25
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3836.25
9.52	10.0	Shear	kip	395.43	37.15	60.25	4.456	172.65
9.52	10.0	Flexure	ksi	36.00	4.66	3.96	7.914	306.68
9.52	10.0	Flexure	ksi	34.20	3.73	3.05	7.695	298.18
19.05	20.0	Shear	kip	395.43	23.17	49.92	5.647	218.81
19.05	20.0	Flexure	ksi	36.00	7.83	6.88	4.093	158.59
19.05	20.0	Flexure	ksi	34.20	6.26	5.29	4.059	157.27
28.58	30.0	Shear	kip	395.43	9.04	40.09	7.371	285.61
28.58	30.0	Flexure	ksi	36.00	9.52	8.69	3.049	118.13
28.58	30.0	Flexure	ksi	34.20	7.61	6.68	3.061	118.60
38.10	40.0	Shear	kip	395.43	-5.09	30.90	10.002	387.57
38.10	40.0	Flexure	ksi	36.00	9.72	9.34	2.813	109.00
38.10	40.0	Flexure	ksi	34.20	7.78	7.19	2.828	109.60
47.63	50.0	Shear	kip	395.43	-19.23	-38.76	7.372	285.65
47.63	50.0	Flexure	ksi	36.00	8.45	9.09	3.031	117.45
47.63	50.0	Flexure	ksi	34.20	6.76	6.99	3.019	116.98
57.15	60.0	Shear	kip	395.43	-33.20	-48.91	5.567	215.71
57.15	60.0	Flexure	ksi	36.00	5.68	8.00	3.788	146.80
57.15	60.0	Flexure	ksi	34.20	4.55	6.16	3.706	143.59
66.68	70.0	Shear	kip	395.43	-47.34	-58.71	4.406	170.72
66.68	70.0	Flexure	ksi	36.00	1.44	6.17	5.599	216.95
66.68	70.0	Flexure	ksi	34.20	1.15	4.75	5.354	207.45
71.75	75.3	Shear	kip	424.98	-54.94	-64.04	4.280	165.84
71.75	75.3	Flexure	ksi	-33.94	-8.82	-4.74	5.302	205.44
71.75	75.3	Flexure	ksi	34.20	-1.14	3.69	7.373	285.71
76.20	80.0	Shear	kip	414.51	-61.47	-67.88	3.827	148.28
76.20	80.0	Flexure	ksi	-33.94	-8.82	-4.74	5.302	205.44
76.20	80.0	Flexure	ksi	-34.20	-3.42	-2.97	7.970	308.85
82.25	86.4	Shear	kip	414.51	-70.35	-73.60	3.413	132.26
82.25	86.4	Flexure	ksi	-33.94	-8.82	-4.74	5.302	205.44
82.25	86.4	Flexure	ksi	-34.20	-6.94	-3.21	6.540	253.44
85.72	90.0	Shear	kip	518.17	-75.86	-76.22	4.272	165.55
85.72	90.0	Flexure	ksi	-35.90	-14.36	-4.57	4.714	182.66
85.72	90.0	Flexure	ksi	-34.20	-6.42	-2.40	8.895	344.67
95.25	100.0	Shear	kip	390.83	88.94	81.36	2.644	102.46

95.25	100.0	Flexure	ksi	-35.90	-14.36	-4.57	4.714	182.66
95.25	100.0	Flexure	ksi	-34.20	-11.31	-3.10	5.680	220.10
Span 2								
Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	66.94	4.943	191.53
11.90	10.0	Flexure	ksi	-35.90	-12.96	-4.45	5.155	199.76
11.90	10.0	Flexure	ksi	-34.20	-5.46	-2.62	8.424	326.42
13.00	10.9	Shear	kip	414.51	68.74	65.97	3.831	148.46
13.00	10.9	Flexure	ksi	-34.63	-12.96	-4.45	4.870	188.70
13.00	10.9	Flexure	ksi	-34.20	-7.14	-3.59	5.801	224.78
23.50	19.7	Shear	kip	424.98	53.18	56.30	4.898	189.81
23.50	19.7	Flexure	ksi	-34.63	-8.26	-5.22	5.055	195.90
23.50	19.7	Flexure	ksi	34.20	-1.50	3.65	7.533	291.89
23.80	20.0	Shear	kip	404.69	52.74	56.01	4.652	180.28
23.80	20.0	Flexure	ksi	-35.33	-8.26	-5.22	5.188	201.05
23.80	20.0	Flexure	ksi	34.20	-1.36	3.69	7.404	286.90
35.70	30.0	Shear	kip	395.43	35.12	44.46	6.082	235.66
35.70	30.0	Flexure	ksi	36.00	4.07	6.60	4.836	187.40
35.70	30.0	Flexure	ksi	34.20	3.26	5.08	4.687	181.61
47.60	40.0	Shear	kip	395.43	17.50	33.01	8.706	337.36
47.60	40.0	Flexure	ksi	36.00	7.52	7.45	3.820	148.02
47.60	40.0	Flexure	ksi	34.20	6.02	5.73	3.780	146.49
59.50	50.0	Shear	kip	395.43	-0.12	-39.40	7.717	299.03
59.50	50.0	Flexure	ksi	36.00	8.66	7.16	3.821	148.07
59.50	50.0	Flexure	ksi	34.20	6.93	5.50	3.812	147.70
71.40	60.0	Shear	kip	395.43	-17.74	-51.47	5.578	216.15
71.40	60.0	Flexure	ksi	36.00	7.48	5.78	4.935	191.24
71.40	60.0	Flexure	ksi	34.20	5.98	4.45	4.883	189.20
83.30	70.0	Shear	kip	395.43	-35.35	-63.28	4.270	165.44
83.30	70.0	Flexure	ksi	36.00	3.98	3.60	8.887	344.36
83.30	70.0	Flexure	ksi	34.20	3.19	2.77	8.608	333.57
95.20	80.0	Shear	kip	404.69	-52.97	-73.92	3.522	136.48
95.20	80.0	Flexure	ksi	-35.33	-2.96	-4.03	8.027	311.05
95.20	80.0	Flexure	ksi	-34.20	-1.47	-2.33	10.793	418.21
95.50	80.3	Shear	kip	424.98	-53.41	-74.14	3.716	144.01
95.50	80.3	Flexure	ksi	-34.63	-2.96	-4.03	7.855	304.38
95.50	80.3	Flexure	ksi	-34.20	-1.61	-2.40	10.458	405.24
104.00	87.4	Shear	kip	414.51	-66.04	-80.84	3.159	122.40

104.00	87.4	Flexure	ksi	-34.32	-7.73	-6.58	4.038	156.47
104.00	87.4	Flexure	ksi	-34.20	-6.08	-4.46	4.855	188.12
107.10	90.0	Shear	kip	518.17	-70.82	-82.59	4.001	155.05
107.10	90.0	Flexure	ksi	-34.32	-7.73	-6.58	4.038	156.47
107.10	90.0	Flexure	ksi	-34.20	-5.56	-3.81	5.785	224.16
119.00	100.0	Shear	kip	390.83	89.42	88.62	2.422	93.86
119.00	100.0	Flexure	ksi	-35.90	-14.53	-9.37	2.281	88.37
119.00	100.0	Flexure	ksi	-34.20	-11.44	-6.36	2.754	106.72

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.92	78.43	4.212	163.23
11.90	10.0	Flexure	ksi	-35.90	-13.25	-8.75	2.588	100.30
11.90	10.0	Flexure	ksi	-34.20	-5.56	-3.81	5.784	224.12
15.00	12.6	Shear	kip	414.51	65.99	76.76	3.328	128.94
15.00	12.6	Flexure	ksi	-34.32	-7.73	-6.59	4.037	156.43
15.00	12.6	Flexure	ksi	-34.20	-6.08	-4.46	4.853	188.06
23.50	19.7	Shear	kip	424.98	53.52	71.30	3.863	149.69
23.50	19.7	Flexure	ksi	-34.32	-7.73	-6.59	4.037	156.43
23.50	19.7	Flexure	ksi	-34.20	-1.61	-2.40	10.455	405.13
23.80	20.0	Shear	kip	404.69	53.08	71.09	3.661	141.86
23.80	20.0	Flexure	ksi	-34.32	-7.73	-6.59	4.037	156.43
23.80	20.0	Flexure	ksi	-34.20	-1.47	-2.33	10.789	418.07
35.70	30.0	Shear	kip	395.43	35.46	61.64	4.381	169.77
35.70	30.0	Flexure	ksi	36.00	3.98	3.60	8.894	344.64
35.70	30.0	Flexure	ksi	34.20	3.19	2.77	8.615	333.84
47.60	40.0	Shear	kip	395.43	17.84	50.80	5.650	218.95
47.60	40.0	Flexure	ksi	36.00	7.48	5.78	4.933	191.14
47.60	40.0	Flexure	ksi	34.20	5.98	4.45	4.880	189.10
59.50	50.0	Shear	kip	395.43	0.22	39.40	7.715	298.94
59.50	50.0	Flexure	ksi	36.00	8.66	7.15	3.822	148.11
59.50	50.0	Flexure	ksi	34.20	6.93	5.50	3.813	147.74
71.40	60.0	Shear	kip	395.43	-17.40	-33.45	8.594	333.01
71.40	60.0	Flexure	ksi	36.00	7.52	7.46	3.819	147.99
71.40	60.0	Flexure	ksi	34.20	6.02	5.74	3.779	146.45
83.30	70.0	Shear	kip	395.43	-35.01	-45.65	5.926	229.63
83.30	70.0	Flexure	ksi	36.00	4.07	6.60	4.838	187.48
83.30	70.0	Flexure	ksi	34.20	3.26	5.08	4.689	181.69
95.20	80.0	Shear	kip	404.69	-52.63	-58.25	4.475	173.43

95.20	80.0	Flexure	ksi	-35.33	-2.82	-4.57	7.119	275.88
95.20	80.0	Flexure	ksi	34.20	-1.36	3.69	7.409	287.10
95.50	80.3	Shear	kip	424.98	-53.07	-58.55	4.712	182.59
95.50	80.3	Flexure	ksi	-34.63	-2.82	-4.57	6.968	269.99
95.50	80.3	Flexure	ksi	34.20	-1.50	3.64	7.537	292.04
106.00	89.1	Shear	kip	414.51	-68.64	-69.48	3.639	141.02
106.00	89.1	Flexure	ksi	-34.32	-9.07	-5.31	4.758	184.39
106.00	89.1	Flexure	ksi	-34.20	-7.14	-3.59	5.798	224.68
107.10	90.0	Shear	kip	518.17	-70.33	-70.50	4.694	181.91
107.10	90.0	Flexure	ksi	-34.32	-9.07	-5.31	4.758	184.39
107.10	90.0	Flexure	ksi	-34.20	-5.46	-2.63	8.420	326.28
119.00	100.0	Shear	kip	390.83	90.65	83.93	2.543	98.55
119.00	100.0	Flexure	ksi	-35.90	-14.36	-4.57	4.712	182.58
119.00	100.0	Flexure	ksi	-34.20	-11.31	-3.10	5.678	220.01

Span 4

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	75.81	72.61	4.485	173.81
9.52	10.0	Flexure	ksi	-35.90	-13.06	-4.01	5.701	220.93
9.52	10.0	Flexure	ksi	-34.20	-6.42	-2.40	8.888	344.40
13.00	13.6	Shear	kip	414.51	70.46	70.11	3.582	138.79
13.00	13.6	Flexure	ksi	-34.63	-13.06	-4.01	5.384	208.64
13.00	13.6	Flexure	ksi	-34.20	-6.94	-3.21	6.536	253.25
19.05	20.0	Shear	kip	414.51	61.42	65.44	3.970	153.85
19.05	20.0	Flexure	ksi	-34.63	-7.30	-4.63	5.905	228.80
19.05	20.0	Flexure	ksi	-34.20	-3.42	-2.97	7.965	308.63
23.50	24.7	Shear	kip	424.98	54.89	61.74	4.440	172.04
23.50	24.7	Flexure	ksi	-34.63	-7.30	-4.63	5.905	228.80
23.50	24.7	Flexure	ksi	34.20	-1.14	3.68	7.379	285.92
28.58	30.0	Shear	kip	395.43	47.29	57.29	4.516	174.99
28.58	30.0	Flexure	ksi	36.00	1.44	6.17	5.600	217.00
28.58	30.0	Flexure	ksi	34.20	1.15	4.75	5.355	207.51
38.10	40.0	Shear	kip	395.43	33.32	48.30	5.634	218.32
38.10	40.0	Flexure	ksi	36.00	5.69	8.00	3.789	146.81
38.10	40.0	Flexure	ksi	34.20	4.55	6.16	3.706	143.60
47.63	50.0	Shear	kip	395.43	19.18	38.76	7.372	285.66
47.63	50.0	Flexure	ksi	36.00	8.45	9.09	3.031	117.44
47.63	50.0	Flexure	ksi	34.20	6.76	6.99	3.019	116.97
57.15	60.0	Shear	kip	395.43	5.05	-31.29	9.877	382.74

57.15	60.0	Flexure	ksi	36.00	9.72	9.34	2.813	109.00
57.15	60.0	Flexure	ksi	34.20	7.78	7.19	2.828	109.60
66.68	70.0	Shear	kip	395.43	-9.09	-41.09	7.191	278.64
66.68	70.0	Flexure	ksi	36.00	9.52	8.69	3.048	118.11
66.68	70.0	Flexure	ksi	34.20	7.62	6.68	3.060	118.57
76.20	80.0	Shear	kip	395.43	-23.06	-51.79	5.445	211.01
76.20	80.0	Flexure	ksi	36.00	7.83	6.88	4.093	158.61
76.20	80.0	Flexure	ksi	34.20	6.26	5.29	4.059	157.29
85.72	90.0	Shear	kip	395.43	-37.19	-63.25	4.244	164.44
85.72	90.0	Flexure	ksi	36.00	4.66	3.96	7.915	306.71
85.72	90.0	Flexure	ksi	34.20	3.72	3.05	7.696	298.20
95.25	100.0	Shear	kip	469.80	-51.33	-75.35	4.141	160.48
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3836.25
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3836.25

Detailed Rating Results
Wizard Alternative
Type 3
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal	Legal
Location							Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	49.82	3.014	75.36
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2475.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2475.00
9.52	10.0	Shear	kip	395.43	37.15	42.83	6.268	156.70
9.52	10.0	Flexure	ksi	36.00	4.66	2.78	11.270	281.74
9.52	10.0	Flexure	ksi	34.20	3.73	2.14	10.957	273.93
19.05	20.0	Shear	kip	395.43	23.17	36.02	7.827	195.67
19.05	20.0	Flexure	ksi	36.00	7.83	4.68	6.022	150.55
19.05	20.0	Flexure	ksi	34.20	6.26	3.60	5.972	149.30
28.58	30.0	Shear	kip	395.43	9.04	29.46	10.029	250.73
28.58	30.0	Flexure	ksi	36.00	9.52	5.76	4.600	115.01
28.58	30.0	Flexure	ksi	34.20	7.61	4.43	4.618	115.46
38.10	40.0	Shear	kip	395.43	-5.09	23.28	13.276	331.91
38.10	40.0	Flexure	ksi	36.00	9.72	6.20	4.241	106.02
38.10	40.0	Flexure	ksi	34.20	7.78	4.77	4.264	106.61

47.63	50.0	Shear	kip	395.43	-19.23	-28.72	9.948	248.71
47.63	50.0	Flexure	ksi	36.00	8.45	6.02	4.578	114.44
47.63	50.0	Flexure	ksi	34.20	6.76	4.63	4.559	113.98
57.15	60.0	Shear	kip	395.43	-33.20	-35.06	7.765	194.12
57.15	60.0	Flexure	ksi	36.00	5.68	5.33	5.686	142.16
57.15	60.0	Flexure	ksi	34.20	4.55	4.10	5.562	139.05
66.68	70.0	Shear	kip	395.43	-47.34	-41.13	6.289	157.23
66.68	70.0	Flexure	ksi	36.00	1.44	4.12	8.386	209.66
66.68	70.0	Flexure	ksi	34.20	1.15	3.17	8.019	200.48
71.75	75.3	Shear	kip	424.98	-54.94	-44.43	6.169	154.23
71.75	75.3	Flexure	ksi	-33.94	-8.82	-3.08	8.154	203.84
71.75	75.3	Flexure	ksi	34.20	-1.14	2.48	10.966	274.15
76.20	80.0	Shear	kip	414.51	-61.47	-46.73	5.559	138.97
76.20	80.0	Flexure	ksi	-33.94	-8.82	-3.08	8.154	203.84
76.20	80.0	Flexure	ksi	-34.20	-3.42	-1.93	12.258	306.45
82.25	86.4	Shear	kip	414.51	-70.35	-50.19	5.006	125.14
82.25	86.4	Flexure	ksi	-33.94	-8.82	-3.08	8.154	203.84
82.25	86.4	Flexure	ksi	-34.20	-6.94	-2.08	10.059	251.47
85.72	90.0	Shear	kip	518.17	-75.86	-51.72	6.296	157.39
85.72	90.0	Flexure	ksi	-35.90	-14.36	-2.97	7.263	181.58
85.72	90.0	Flexure	ksi	-34.20	-6.42	-1.56	13.680	341.99
95.25	100.0	Shear	kip	390.83	88.94	55.24	3.894	97.36
95.25	100.0	Flexure	ksi	-35.90	-14.36	-2.97	7.263	181.58
95.25	100.0	Flexure	ksi	-34.20	-11.31	-2.01	8.752	218.80

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	46.24	7.155	178.87
11.90	10.0	Flexure	ksi	-35.90	-12.96	-2.89	7.943	198.57
11.90	10.0	Flexure	ksi	-34.20	-5.46	-1.70	12.979	324.48
13.00	10.9	Shear	kip	414.51	68.74	45.66	5.536	138.39
13.00	10.9	Flexure	ksi	-34.63	-12.96	-2.89	7.503	187.58
13.00	10.9	Flexure	ksi	-34.20	-7.14	-2.33	8.938	223.45
23.50	19.7	Shear	kip	424.98	53.18	39.69	6.947	173.68
23.50	19.7	Flexure	ksi	-34.63	-8.26	-3.39	7.790	194.74
23.50	19.7	Flexure	ksi	34.20	-1.50	2.46	11.172	279.30
23.80	20.0	Shear	kip	404.69	52.74	39.52	6.595	164.87
23.80	20.0	Flexure	ksi	-35.33	-8.26	-3.39	7.994	199.86
23.80	20.0	Flexure	ksi	34.20	-1.36	2.49	10.987	274.67

35.70	30.0	Shear	kip	395.43	35.12	32.17	8.406	210.14
35.70	30.0	Flexure	ksi	36.00	4.07	4.42	7.231	180.76
35.70	30.0	Flexure	ksi	34.20	3.26	3.40	7.007	175.18
47.60	40.0	Shear	kip	395.43	17.50	24.67	11.648	291.19
47.60	40.0	Flexure	ksi	36.00	7.52	4.94	5.765	144.14
47.60	40.0	Flexure	ksi	34.20	6.02	3.80	5.706	142.64
59.50	50.0	Shear	kip	395.43	-0.12	-28.92	10.514	262.86
59.50	50.0	Flexure	ksi	36.00	8.66	4.76	5.741	143.52
59.50	50.0	Flexure	ksi	34.20	6.93	3.66	5.727	143.16
71.40	60.0	Shear	kip	395.43	-17.74	-36.62	7.841	196.02
71.40	60.0	Flexure	ksi	36.00	7.48	3.88	7.342	183.55
71.40	60.0	Flexure	ksi	34.20	5.98	2.99	7.264	181.59
83.30	70.0	Shear	kip	395.43	-35.35	-43.94	6.149	153.73
83.30	70.0	Flexure	ksi	36.00	3.98	2.46	13.018	325.45
83.30	70.0	Flexure	ksi	34.20	3.19	1.89	12.610	315.25
95.20	80.0	Shear	kip	404.69	-52.97	-50.27	5.179	129.48
95.20	80.0	Flexure	ksi	-35.33	-2.96	-2.63	12.325	308.13
95.20	80.0	Flexure	ksi	-34.20	-1.47	-1.52	16.550	413.75
95.50	80.3	Shear	kip	424.98	-53.41	-50.40	5.468	136.69
95.50	80.3	Flexure	ksi	-34.63	-2.96	-2.63	12.061	301.53
95.50	80.3	Flexure	ksi	-34.20	-1.61	-1.56	16.023	400.58
104.00	87.4	Shear	kip	414.51	-66.04	-54.18	4.713	117.82
104.00	87.4	Flexure	ksi	-34.32	-8.06	-3.99	6.584	164.61
104.00	87.4	Flexure	ksi	-34.20	-6.08	-2.89	7.472	186.81
107.10	90.0	Shear	kip	518.17	-70.82	-55.10	5.998	149.96
107.10	90.0	Flexure	ksi	-34.32	-8.06	-3.99	6.584	164.61
107.10	90.0	Flexure	ksi	-34.20	-5.56	-2.48	8.898	222.46
119.00	100.0	Shear	kip	390.83	89.42	58.10	3.695	92.37
119.00	100.0	Flexure	ksi	-35.90	-14.53	-6.08	3.516	87.91
119.00	100.0	Flexure	ksi	-34.20	-11.44	-4.12	4.246	106.15

Span 3

							Legal	Legal
Location							Rating	Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.92	52.31	6.316	157.90
11.90	10.0	Flexure	ksi	-35.90	-13.25	-5.68	3.988	99.71
11.90	10.0	Flexure	ksi	-34.20	-5.56	-2.47	8.906	222.66
15.00	12.6	Shear	kip	414.51	65.99	51.45	4.964	124.11
15.00	12.6	Flexure	ksi	-34.32	-7.73	-4.28	6.212	155.31
15.00	12.6	Flexure	ksi	-34.20	-6.08	-2.90	7.468	186.71

23.50	19.7	Shear	kip	424.98	53.52	48.45	5.685	142.12
23.50	19.7	Flexure	ksi	-34.32	-7.73	-4.28	6.212	155.31
23.50	19.7	Flexure	ksi	-34.20	-1.61	-1.56	16.043	401.08
23.80	20.0	Shear	kip	404.69	53.08	48.33	5.385	134.62
23.80	20.0	Flexure	ksi	-34.32	-7.73	-4.28	6.212	155.31
23.80	20.0	Flexure	ksi	-34.20	-1.47	-1.52	16.563	414.06
35.70	30.0	Shear	kip	395.43	35.46	42.79	6.312	157.79
35.70	30.0	Flexure	ksi	36.00	3.98	2.46	13.042	326.05
35.70	30.0	Flexure	ksi	34.20	3.19	1.89	12.633	315.83
47.60	40.0	Shear	kip	395.43	17.84	36.13	7.944	198.59
47.60	40.0	Flexure	ksi	36.00	7.48	3.88	7.348	183.70
47.60	40.0	Flexure	ksi	34.20	5.98	2.99	7.270	181.74
59.50	50.0	Shear	kip	395.43	0.22	28.92	10.512	262.81
59.50	50.0	Flexure	ksi	36.00	8.66	4.76	5.744	143.59
59.50	50.0	Flexure	ksi	34.20	6.93	3.66	5.729	143.24
71.40	60.0	Shear	kip	395.43	-17.40	-25.00	11.498	287.44
71.40	60.0	Flexure	ksi	36.00	7.52	4.94	5.763	144.08
71.40	60.0	Flexure	ksi	34.20	6.02	3.80	5.704	142.59
83.30	70.0	Shear	kip	395.43	-35.01	-33.03	8.190	204.74
83.30	70.0	Flexure	ksi	36.00	4.07	4.42	7.227	180.67
83.30	70.0	Flexure	ksi	34.20	3.26	3.40	7.004	175.09
95.20	80.0	Shear	kip	404.69	-52.63	-41.10	6.343	158.58
95.20	80.0	Flexure	ksi	-35.33	-2.82	-2.97	10.940	273.51
95.20	80.0	Flexure	ksi	34.20	-1.36	2.49	10.976	274.39
95.50	80.3	Shear	kip	424.98	-53.07	-41.28	6.682	167.06
95.50	80.3	Flexure	ksi	-34.63	-2.82	-2.97	10.707	267.67
95.50	80.3	Flexure	ksi	34.20	-1.50	2.46	11.160	278.99
106.00	89.1	Shear	kip	414.51	-68.64	-48.09	5.258	131.45
106.00	89.1	Flexure	ksi	-34.32	-9.07	-3.45	7.312	182.80
106.00	89.1	Flexure	ksi	-34.20	-7.14	-2.34	8.910	222.74
107.10	90.0	Shear	kip	518.17	-70.33	-48.71	6.794	169.86
107.10	90.0	Flexure	ksi	-34.32	-9.07	-3.45	7.312	182.80
107.10	90.0	Flexure	ksi	-34.20	-5.46	-1.71	12.939	323.47
119.00	100.0	Shear	kip	390.83	90.65	56.31	3.791	94.78
119.00	100.0	Flexure	ksi	-35.90	-14.36	-2.98	7.240	181.01
119.00	100.0	Flexure	ksi	-34.20	-11.31	-2.02	8.724	218.11

Span 4

Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)

9.52	10.0	Shear	kip	518.17	75.81	49.27	6.610	165.25
9.52	10.0	Flexure	ksi	-35.90	-13.06	-2.61	8.760	219.00
9.52	10.0	Flexure	ksi	-34.20	-6.42	-1.56	13.689	342.22
13.00	13.6	Shear	kip	414.51	70.46	47.80	5.253	131.33
13.00	13.6	Flexure	ksi	-34.63	-13.06	-2.61	8.273	206.83
13.00	13.6	Flexure	ksi	-34.20	-6.94	-2.08	10.066	251.65
19.05	20.0	Shear	kip	414.51	61.42	45.05	5.767	144.18
19.05	20.0	Flexure	ksi	-34.63	-7.30	-3.01	9.094	227.36
19.05	20.0	Flexure	ksi	-34.20	-3.42	-1.93	12.267	306.68
23.50	24.7	Shear	kip	424.98	54.89	42.83	6.400	160.01
23.50	24.7	Flexure	ksi	-34.63	-7.30	-3.01	9.094	227.36
23.50	24.7	Flexure	ksi	34.20	-1.14	2.48	10.970	274.25
28.58	30.0	Shear	kip	395.43	47.29	40.13	6.446	161.16
28.58	30.0	Flexure	ksi	36.00	1.44	4.12	8.378	209.46
28.58	30.0	Flexure	ksi	34.20	1.15	3.17	8.012	200.30
38.10	40.0	Shear	kip	395.43	33.32	34.63	7.858	196.46
38.10	40.0	Flexure	ksi	36.00	5.69	5.32	5.694	142.34
38.10	40.0	Flexure	ksi	34.20	4.55	4.10	5.569	139.23
47.63	50.0	Shear	kip	395.43	19.18	28.72	9.949	248.73
47.63	50.0	Flexure	ksi	36.00	8.45	6.02	4.574	114.36
47.63	50.0	Flexure	ksi	34.20	6.76	4.63	4.556	113.90
57.15	60.0	Shear	kip	395.43	5.05	-23.56	13.116	327.89
57.15	60.0	Flexure	ksi	36.00	9.72	6.20	4.241	106.02
57.15	60.0	Flexure	ksi	34.20	7.78	4.77	4.264	106.60
66.68	70.0	Shear	kip	395.43	-9.09	-30.20	9.782	244.56
66.68	70.0	Flexure	ksi	36.00	9.52	5.76	4.600	115.00
66.68	70.0	Flexure	ksi	34.20	7.62	4.43	4.618	115.45
76.20	80.0	Shear	kip	395.43	-23.06	-37.36	7.548	188.71
76.20	80.0	Flexure	ksi	36.00	7.83	4.68	6.023	150.57
76.20	80.0	Flexure	ksi	34.20	6.26	3.60	5.973	149.32
85.72	90.0	Shear	kip	395.43	-37.19	-44.96	5.969	149.24
85.72	90.0	Flexure	ksi	36.00	4.66	2.78	11.269	281.74
85.72	90.0	Flexure	ksi	34.20	3.72	2.14	10.957	273.93
95.25	100.0	Shear	kip	469.80	-51.33	-52.92	5.897	147.41
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	2475.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	2475.00

Detailed Rating Results
Wizard Alternative
Type 3-3
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
0.00	0.0	Shear	kip	259.32	51.28	61.20	2.454	98.14
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3960.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3960.00
9.52	10.0	Shear	kip	395.43	37.15	50.84	5.280	211.20
9.52	10.0	Flexure	ksi	36.00	4.66	3.30	9.493	379.73
9.52	10.0	Flexure	ksi	34.20	3.73	2.54	9.230	369.21
19.05	20.0	Shear	kip	395.43	23.17	41.02	6.873	274.91
19.05	20.0	Flexure	ksi	36.00	7.83	5.43	5.186	207.45
19.05	20.0	Flexure	ksi	34.20	6.26	4.18	5.143	205.73
28.58	30.0	Shear	kip	395.43	9.04	31.88	9.269	370.78
28.58	30.0	Flexure	ksi	36.00	9.52	6.54	4.048	161.91
28.58	30.0	Flexure	ksi	34.20	7.61	5.03	4.063	162.54
38.10	40.0	Shear	kip	395.43	-5.09	23.56	13.119	524.77
38.10	40.0	Flexure	ksi	36.00	9.72	7.10	3.702	148.08
38.10	40.0	Flexure	ksi	34.20	7.78	5.46	3.722	148.89
47.63	50.0	Shear	kip	395.43	-19.23	-28.41	10.055	402.22
47.63	50.0	Flexure	ksi	36.00	8.45	6.89	3.999	159.94
47.63	50.0	Flexure	ksi	34.20	6.76	5.30	3.982	159.30
57.15	60.0	Shear	kip	395.43	-33.20	-38.02	7.161	286.44
57.15	60.0	Flexure	ksi	36.00	5.68	6.01	5.043	201.70
57.15	60.0	Flexure	ksi	34.20	4.55	4.62	4.932	197.29
66.68	70.0	Shear	kip	395.43	-47.34	-48.57	5.326	213.03
66.68	70.0	Flexure	ksi	36.00	1.44	4.48	7.722	308.89
66.68	70.0	Flexure	ksi	34.20	1.15	3.44	7.384	295.38
71.75	75.3	Shear	kip	424.98	-54.94	-54.32	5.046	201.83
71.75	75.3	Flexure	ksi	-33.94	-8.82	-4.25	5.917	236.70
71.75	75.3	Flexure	ksi	-34.20	-1.14	-2.51	10.114	404.55
76.20	80.0	Shear	kip	414.51	-61.47	-58.65	4.429	177.16
76.20	80.0	Flexure	ksi	-33.94	-8.82	-4.25	5.917	236.70
76.20	80.0	Flexure	ksi	-34.20	-3.42	-2.66	8.896	355.85
82.25	86.4	Shear	kip	414.51	-70.35	-65.01	3.865	154.58
82.25	86.4	Flexure	ksi	-33.94	-8.82	-4.25	5.917	236.70
82.25	86.4	Flexure	ksi	-34.20	-6.94	-2.87	7.300	292.01
85.72	90.0	Shear	kip	518.17	-75.86	-68.09	4.782	191.30
85.72	90.0	Flexure	ksi	-35.90	-14.36	-4.06	5.307	212.27
85.72	90.0	Flexure	ksi	-34.20	-6.42	-2.15	9.928	397.12

95.25	100.0	Shear	kip	390.83	88.94	72.95	2.949	117.96
95.25	100.0	Flexure	ksi	-35.90	-14.36	-4.06	5.307	212.27
95.25	100.0	Flexure	ksi	-34.20	-11.31	-2.75	6.394	255.78
Span 2								
Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	58.12	5.693	227.72
11.90	10.0	Flexure	ksi	-35.90	-12.96	-3.95	5.803	232.13
11.90	10.0	Flexure	ksi	-34.20	-5.46	-2.33	9.483	379.32
13.00	10.9	Shear	kip	414.51	68.74	57.10	4.427	177.07
13.00	10.9	Flexure	ksi	-34.63	-12.96	-3.95	5.482	219.28
13.00	10.9	Flexure	ksi	-34.20	-7.14	-3.19	6.530	261.21
23.50	19.7	Shear	kip	424.98	53.18	47.24	5.838	233.51
23.50	19.7	Flexure	ksi	-34.63	-8.26	-4.63	5.691	227.65
23.50	19.7	Flexure	ksi	-34.20	-1.50	-2.68	9.392	375.68
23.80	20.0	Shear	kip	404.69	52.74	46.95	5.550	222.00
23.80	20.0	Flexure	ksi	-35.33	-8.26	-4.63	5.841	233.64
23.80	20.0	Flexure	ksi	-34.20	-1.36	-2.66	9.485	379.40
35.70	30.0	Shear	kip	395.43	35.12	35.83	7.548	301.92
35.70	30.0	Flexure	ksi	36.00	4.07	4.82	6.631	265.23
35.70	30.0	Flexure	ksi	34.20	3.26	3.70	6.426	257.04
47.60	40.0	Shear	kip	395.43	17.50	25.47	11.280	451.21
47.60	40.0	Flexure	ksi	36.00	7.52	5.57	5.111	204.45
47.60	40.0	Flexure	ksi	34.20	6.02	4.29	5.058	202.33
59.50	50.0	Shear	kip	395.43	-0.12	-30.46	9.982	399.29
59.50	50.0	Flexure	ksi	36.00	8.66	5.33	5.131	205.22
59.50	50.0	Flexure	ksi	34.20	6.93	4.10	5.118	204.71
71.40	60.0	Shear	kip	395.43	-17.74	-42.09	6.821	272.86
71.40	60.0	Flexure	ksi	36.00	7.48	4.13	6.912	276.48
71.40	60.0	Flexure	ksi	34.20	5.98	3.17	6.838	273.54
83.30	70.0	Shear	kip	395.43	-35.35	-54.08	4.996	199.85
83.30	70.0	Flexure	ksi	36.00	3.98	2.10	15.236	609.42
83.30	70.0	Flexure	ksi	34.20	3.19	1.62	14.758	590.32
95.20	80.0	Shear	kip	404.69	-52.97	-65.56	3.971	158.85
95.20	80.0	Flexure	ksi	-35.33	-2.96	-3.43	9.428	377.12
95.20	80.0	Flexure	ksi	-34.20	-1.47	-1.96	12.876	515.05
95.50	80.3	Shear	kip	424.98	-53.41	-65.82	4.187	167.46
95.50	80.3	Flexure	ksi	-34.63	-2.96	-3.43	9.226	369.04
95.50	80.3	Flexure	ksi	-34.20	-1.61	-2.02	12.432	497.30

104.00	87.4	Shear	kip	414.51	-66.04	-73.49	3.474	138.98
104.00	87.4	Flexure	ksi	-34.32	-8.06	-5.55	4.731	189.25
104.00	87.4	Flexure	ksi	-34.20	-6.08	-3.96	5.462	218.48
107.10	90.0	Shear	kip	518.17	-70.82	-75.75	4.363	174.52
107.10	90.0	Flexure	ksi	-34.32	-8.06	-5.55	4.731	189.25
107.10	90.0	Flexure	ksi	-34.20	-5.56	-3.43	6.431	257.24
119.00	100.0	Shear	kip	390.83	89.42	83.99	2.556	102.23
119.00	100.0	Flexure	ksi	-35.90	-14.53	-8.67	2.466	98.63
119.00	100.0	Flexure	ksi	-34.20	-11.44	-5.88	2.978	119.10

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.92	71.92	4.594	183.75
11.90	10.0	Flexure	ksi	-35.90	-13.25	-8.07	2.807	112.27
11.90	10.0	Flexure	ksi	-34.20	-5.56	-3.43	6.431	257.23
15.00	12.6	Shear	kip	414.51	65.99	69.79	3.660	146.39
15.00	12.6	Flexure	ksi	-34.32	-7.73	-5.85	4.544	181.77
15.00	12.6	Flexure	ksi	-34.20	-6.08	-3.96	5.463	218.52
23.50	19.7	Shear	kip	424.98	53.52	63.29	4.352	174.09
23.50	19.7	Flexure	ksi	-34.32	-7.73	-5.85	4.544	181.77
23.50	19.7	Flexure	ksi	-34.20	-1.61	-2.02	12.438	497.51
23.80	20.0	Shear	kip	404.69	53.08	63.04	4.128	165.14
23.80	20.0	Flexure	ksi	-34.32	-7.73	-5.85	4.544	181.77
23.80	20.0	Flexure	ksi	-34.20	-1.47	-1.95	12.887	515.49
35.70	30.0	Shear	kip	395.43	35.46	52.67	5.128	205.11
35.70	30.0	Flexure	ksi	36.00	3.98	2.10	15.267	610.68
35.70	30.0	Flexure	ksi	34.20	3.19	1.61	14.788	591.53
47.60	40.0	Shear	kip	395.43	17.84	41.54	6.910	276.41
47.60	40.0	Flexure	ksi	36.00	7.48	4.13	6.913	276.53
47.60	40.0	Flexure	ksi	34.20	5.98	3.17	6.839	273.58
59.50	50.0	Shear	kip	395.43	0.22	30.46	9.981	399.22
59.50	50.0	Flexure	ksi	36.00	8.66	5.33	5.130	205.21
59.50	50.0	Flexure	ksi	34.20	6.93	4.10	5.118	204.70
71.40	60.0	Shear	kip	395.43	-17.40	-25.81	11.137	445.49
71.40	60.0	Flexure	ksi	36.00	7.52	5.57	5.112	204.47
71.40	60.0	Flexure	ksi	34.20	6.02	4.29	5.059	202.35
83.30	70.0	Shear	kip	395.43	-35.01	-36.78	7.354	294.18
83.30	70.0	Flexure	ksi	36.00	4.07	4.82	6.630	265.20
83.30	70.0	Flexure	ksi	34.20	3.26	3.70	6.425	257.01

95.20	80.0	Shear	kip	404.69	-52.63	-48.83	5.339	213.54
95.20	80.0	Flexure	ksi	-35.33	-2.82	-4.06	8.006	320.25
95.20	80.0	Flexure	ksi	-34.20	-1.36	-2.67	9.471	378.83
95.50	80.3	Shear	kip	424.98	-53.07	-49.13	5.616	224.62
95.50	80.3	Flexure	ksi	-34.63	-2.82	-4.06	7.835	313.42
95.50	80.3	Flexure	ksi	-34.20	-1.50	-2.68	9.378	375.12
106.00	89.1	Shear	kip	414.51	-68.64	-60.14	4.204	168.17
106.00	89.1	Flexure	ksi	-34.32	-9.07	-4.72	5.351	214.04
106.00	89.1	Flexure	ksi	-34.20	-7.14	-3.19	6.520	260.81
107.10	90.0	Shear	kip	518.17	-70.33	-61.22	5.406	216.26
107.10	90.0	Flexure	ksi	-34.32	-9.07	-4.72	5.351	214.04
107.10	90.0	Flexure	ksi	-34.20	-5.46	-2.33	9.469	378.75
119.00	100.0	Shear	kip	390.83	90.65	77.07	2.770	110.80
119.00	100.0	Flexure	ksi	-35.90	-14.36	-4.07	5.299	211.95
119.00	100.0	Flexure	ksi	-34.20	-11.31	-2.76	6.385	255.39

Span 4

Location							Legal Rating	Legal Load Rating
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
9.52	10.0	Shear	kip	518.17	75.81	64.85	5.022	200.88
9.52	10.0	Flexure	ksi	-35.90	-13.06	-3.52	6.493	259.73
9.52	10.0	Flexure	ksi	-34.20	-6.42	-2.15	9.934	397.38
13.00	13.6	Shear	kip	414.51	70.46	61.93	4.055	162.20
13.00	13.6	Flexure	ksi	-34.63	-13.06	-3.52	6.132	245.30
13.00	13.6	Flexure	ksi	-34.20	-6.94	-2.87	7.305	292.21
19.05	20.0	Shear	kip	414.51	61.42	56.55	4.594	183.76
19.05	20.0	Flexure	ksi	-34.63	-7.30	-4.14	6.600	264.00
19.05	20.0	Flexure	ksi	-34.20	-3.42	-2.66	8.903	356.10
23.50	24.7	Shear	kip	424.98	54.89	52.36	5.236	209.42
23.50	24.7	Flexure	ksi	-34.63	-7.30	-4.14	6.600	264.00
23.50	24.7	Flexure	ksi	-34.20	-1.14	-2.51	10.120	404.81
28.58	30.0	Shear	kip	395.43	47.29	47.38	5.460	218.39
28.58	30.0	Flexure	ksi	36.00	1.44	4.48	7.719	308.77
28.58	30.0	Flexure	ksi	34.20	1.15	3.44	7.382	295.27
38.10	40.0	Shear	kip	395.43	33.32	37.56	7.246	289.85
38.10	40.0	Flexure	ksi	36.00	5.69	6.01	5.047	201.89
38.10	40.0	Flexure	ksi	34.20	4.55	4.62	4.937	197.47
47.63	50.0	Shear	kip	395.43	19.18	28.41	10.058	402.31
47.63	50.0	Flexure	ksi	36.00	8.45	6.89	3.998	159.92
47.63	50.0	Flexure	ksi	34.20	6.76	5.30	3.982	159.27

57.15	60.0	Shear	kip	395.43	5.05	-23.84	12.960	518.41
57.15	60.0	Flexure	ksi	36.00	9.72	7.10	3.702	148.09
57.15	60.0	Flexure	ksi	34.20	7.78	5.46	3.723	148.91
66.68	70.0	Shear	kip	395.43	-9.09	-32.67	9.042	361.69
66.68	70.0	Flexure	ksi	36.00	9.52	6.54	4.047	161.90
66.68	70.0	Flexure	ksi	34.20	7.62	5.03	4.063	162.53
76.20	80.0	Shear	kip	395.43	-23.06	-42.54	6.629	265.16
76.20	80.0	Flexure	ksi	36.00	7.83	5.43	5.187	207.49
76.20	80.0	Flexure	ksi	34.20	6.26	4.18	5.144	205.77
85.72	90.0	Shear	kip	395.43	-37.19	-53.38	5.028	201.14
85.72	90.0	Flexure	ksi	36.00	4.66	3.30	9.493	379.72
85.72	90.0	Flexure	ksi	34.20	3.72	2.54	9.230	369.19
95.25	100.0	Shear	kip	469.80	-51.33	-65.01	4.800	192.00
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3960.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3960.00

Detailed Rating Results
Wizard Alternative
Type 3S2
Axle Load
Impact: As Requested
Lane: As Requested

Span 1

							Legal	Legal
Location							Rating	Load
(ft)	Percent	Limit	Units	Capacity	DL + Adj	LL	Factor	Rating
		State			-LL*			(Ton)
0.00	0.0	Shear	kip	259.32	51.28	60.19	2.495	89.81
0.00	0.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00
0.00	0.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00
9.52	10.0	Shear	kip	395.43	37.15	50.56	5.309	191.14
9.52	10.0	Flexure	ksi	36.00	4.66	3.28	9.546	343.66
9.52	10.0	Flexure	ksi	34.20	3.73	2.53	9.282	334.14
19.05	20.0	Shear	kip	395.43	23.17	41.34	6.819	245.49
19.05	20.0	Flexure	ksi	36.00	7.83	5.44	5.176	186.34
19.05	20.0	Flexure	ksi	34.20	6.26	4.19	5.133	184.79
28.58	30.0	Shear	kip	395.43	9.04	32.65	9.050	325.80
28.58	30.0	Flexure	ksi	36.00	9.52	6.80	3.893	140.13
28.58	30.0	Flexure	ksi	34.20	7.61	5.23	3.908	140.68
38.10	40.0	Shear	kip	395.43	-5.09	24.66	12.535	451.28
38.10	40.0	Flexure	ksi	36.00	9.72	7.28	3.612	130.03

38.10	40.0	Flexure	ksi	34.20	7.78	5.60	3.632	130.75
47.63	50.0	Shear	kip	395.43	-19.23	-30.06	9.504	342.14
47.63	50.0	Flexure	ksi	36.00	8.45	7.03	3.921	141.16
47.63	50.0	Flexure	ksi	34.20	6.76	5.41	3.905	140.59
57.15	60.0	Shear	kip	395.43	-33.20	-39.64	6.868	247.24
57.15	60.0	Flexure	ksi	36.00	5.68	6.24	4.858	174.89
57.15	60.0	Flexure	ksi	34.20	4.55	4.80	4.752	171.07
66.68	70.0	Shear	kip	395.43	-47.34	-48.96	5.283	190.19
66.68	70.0	Flexure	ksi	36.00	1.44	4.71	7.332	263.96
66.68	70.0	Flexure	ksi	34.20	1.15	3.63	7.012	252.41
71.75	75.3	Shear	kip	424.98	-54.94	-54.05	5.071	182.56
71.75	75.3	Flexure	ksi	-33.94	-8.82	-4.07	6.168	222.04
71.75	75.3	Flexure	ksi	34.20	-1.14	2.72	10.004	360.16
76.20	80.0	Shear	kip	414.51	-61.47	-57.80	4.494	161.79
76.20	80.0	Flexure	ksi	-33.94	-8.82	-4.07	6.168	222.04
76.20	80.0	Flexure	ksi	-34.20	-3.42	-2.55	9.273	333.81
82.25	86.4	Shear	kip	414.51	-70.35	-63.33	3.966	142.79
82.25	86.4	Flexure	ksi	-33.94	-8.82	-4.07	6.168	222.04
82.25	86.4	Flexure	ksi	-34.20	-6.94	-2.76	7.609	273.92
85.72	90.0	Shear	kip	518.17	-75.86	-65.94	4.938	177.78
85.72	90.0	Flexure	ksi	-35.90	-14.36	-3.92	5.501	198.05
85.72	90.0	Flexure	ksi	-34.20	-6.42	-2.07	10.348	372.53
95.25	100.0	Shear	kip	390.83	88.94	70.42	3.055	109.98
95.25	100.0	Flexure	ksi	-35.90	-14.36	-3.92	5.501	198.05
95.25	100.0	Flexure	ksi	-34.20	-11.31	-2.66	6.629	238.64

Span 2

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.44	56.96	5.809	209.11
11.90	10.0	Flexure	ksi	-35.90	-12.96	-3.81	6.016	216.58
11.90	10.0	Flexure	ksi	-34.20	-5.46	-2.25	9.831	353.91
13.00	10.9	Shear	kip	414.51	68.74	56.05	4.510	162.35
13.00	10.9	Flexure	ksi	-34.63	-12.96	-3.81	5.683	204.59
13.00	10.9	Flexure	ksi	-34.20	-7.14	-3.08	6.770	243.71
23.50	19.7	Shear	kip	424.98	53.18	47.07	5.859	210.92
23.50	19.7	Flexure	ksi	-34.63	-8.26	-4.47	5.900	212.40
23.50	19.7	Flexure	ksi	-34.20	-1.50	-2.58	9.736	350.51
23.80	20.0	Shear	kip	404.69	52.74	46.81	5.567	200.43
23.80	20.0	Flexure	ksi	-35.33	-8.26	-4.47	6.055	217.98

23.80	20.0	Flexure	ksi	-34.20	-1.36	-2.57	9.833	353.98
35.70	30.0	Shear	kip	395.43	35.12	36.39	7.431	267.52
35.70	30.0	Flexure	ksi	36.00	4.07	5.05	6.318	227.45
35.70	30.0	Flexure	ksi	34.20	3.26	3.89	6.123	220.43
47.60	40.0	Shear	kip	395.43	17.50	26.37	10.896	392.24
47.60	40.0	Flexure	ksi	36.00	7.52	5.70	5.000	180.01
47.60	40.0	Flexure	ksi	34.20	6.02	4.38	4.948	178.14
59.50	50.0	Shear	kip	395.43	-0.12	-31.64	9.611	346.00
59.50	50.0	Flexure	ksi	36.00	8.66	5.50	4.974	179.05
59.50	50.0	Flexure	ksi	34.20	6.93	4.23	4.961	178.61
71.40	60.0	Shear	kip	395.43	-17.74	-42.51	6.754	243.13
71.40	60.0	Flexure	ksi	36.00	7.48	4.37	6.525	234.91
71.40	60.0	Flexure	ksi	34.20	5.98	3.36	6.456	232.41
83.30	70.0	Shear	kip	395.43	-35.35	-53.45	5.055	181.98
83.30	70.0	Flexure	ksi	36.00	3.98	2.43	13.191	474.88
83.30	70.0	Flexure	ksi	34.20	3.19	1.87	12.778	460.00
95.20	80.0	Shear	kip	404.69	-52.97	-63.63	4.092	147.31
95.20	80.0	Flexure	ksi	-35.33	-2.96	-3.37	9.601	345.63
95.20	80.0	Flexure	ksi	-34.20	-1.47	-1.93	13.018	468.64
95.50	80.3	Shear	kip	424.98	-53.41	-63.85	4.316	155.37
95.50	80.3	Flexure	ksi	-34.63	-2.96	-3.37	9.395	338.22
95.50	80.3	Flexure	ksi	-34.20	-1.61	-1.99	12.586	453.10
104.00	87.4	Shear	kip	414.51	-66.04	-70.45	3.624	130.48
104.00	87.4	Flexure	ksi	-34.32	-7.73	-5.64	4.714	169.69
104.00	87.4	Flexure	ksi	-34.20	-6.08	-3.82	5.667	204.00
107.10	90.0	Shear	kip	518.17	-70.82	-72.32	4.570	164.51
107.10	90.0	Flexure	ksi	-34.32	-7.73	-5.64	4.714	169.69
107.10	90.0	Flexure	ksi	-34.20	-5.56	-3.28	6.707	241.45
119.00	100.0	Shear	kip	390.83	89.42	78.97	2.718	97.86
119.00	100.0	Flexure	ksi	-35.90	-14.53	-8.20	2.605	93.80
119.00	100.0	Flexure	ksi	-34.20	-11.44	-5.56	3.146	113.26

Span 3

							Legal Rating	Legal Load Rating
Location								
(ft)	Percent	Limit State	Units	Capacity	DL + Adj -LL*	LL	Factor	(Ton)
11.90	10.0	Shear	kip	518.17	70.92	68.66	4.812	173.23
11.90	10.0	Flexure	ksi	-35.90	-13.25	-7.65	2.963	106.66
11.90	10.0	Flexure	ksi	-34.20	-5.56	-3.28	6.711	241.59
15.00	12.6	Shear	kip	414.51	65.99	66.90	3.818	137.44
15.00	12.6	Flexure	ksi	-34.32	-7.73	-5.64	4.717	169.80

15.00	12.6	Flexure	ksi	-34.20	-6.08	-3.81	5.670	204.13
23.50	19.7	Shear	kip	424.98	53.52	61.39	4.487	161.53
23.50	19.7	Flexure	ksi	-34.32	-7.73	-5.64	4.717	169.80
23.50	19.7	Flexure	ksi	-34.20	-1.61	-1.99	12.596	453.45
23.80	20.0	Shear	kip	404.69	53.08	61.18	4.254	153.16
23.80	20.0	Flexure	ksi	-34.32	-7.73	-5.64	4.717	169.80
23.80	20.0	Flexure	ksi	-34.20	-1.47	-1.93	13.027	468.97
35.70	30.0	Shear	kip	395.43	35.46	52.05	5.189	186.79
35.70	30.0	Flexure	ksi	36.00	3.98	2.42	13.229	476.26
35.70	30.0	Flexure	ksi	34.20	3.19	1.86	12.815	461.33
47.60	40.0	Shear	kip	395.43	17.84	41.95	6.842	246.32
47.60	40.0	Flexure	ksi	36.00	7.48	4.37	6.533	235.18
47.60	40.0	Flexure	ksi	34.20	5.98	3.36	6.463	232.67
59.50	50.0	Shear	kip	395.43	0.22	31.63	9.609	345.92
59.50	50.0	Flexure	ksi	36.00	8.66	5.49	4.977	179.17
59.50	50.0	Flexure	ksi	34.20	6.93	4.23	4.965	178.73
71.40	60.0	Shear	kip	395.43	-17.40	-26.73	10.756	387.20
71.40	60.0	Flexure	ksi	36.00	7.52	5.70	4.998	179.91
71.40	60.0	Flexure	ksi	34.20	6.02	4.38	4.946	178.05
83.30	70.0	Shear	kip	395.43	-35.01	-37.36	7.240	260.65
83.30	70.0	Flexure	ksi	36.00	4.07	5.06	6.313	227.28
83.30	70.0	Flexure	ksi	34.20	3.26	3.89	6.118	220.26
95.20	80.0	Shear	kip	404.69	-52.63	-48.68	5.355	192.78
95.20	80.0	Flexure	ksi	-35.33	-2.82	-3.91	8.307	299.06
95.20	80.0	Flexure	ksi	-34.20	-1.36	-2.57	9.827	353.77
95.50	80.3	Shear	kip	424.98	-53.07	-48.95	5.636	202.88
95.50	80.3	Flexure	ksi	-34.63	-2.82	-3.91	8.130	292.68
95.50	80.3	Flexure	ksi	-34.20	-1.50	-2.58	9.731	350.30
106.00	89.1	Shear	kip	414.51	-68.64	-59.04	4.283	154.19
106.00	89.1	Flexure	ksi	-34.32	-9.07	-4.55	5.552	199.88
106.00	89.1	Flexure	ksi	-34.20	-7.14	-3.08	6.765	243.55
107.10	90.0	Shear	kip	518.17	-70.33	-60.00	5.516	198.57
107.10	90.0	Flexure	ksi	-34.32	-9.07	-4.55	5.552	199.88
107.10	90.0	Flexure	ksi	-34.20	-5.46	-2.25	9.825	353.69
119.00	100.0	Shear	kip	390.83	90.65	73.63	2.899	104.38
119.00	100.0	Flexure	ksi	-35.90	-14.36	-3.92	5.498	197.92
119.00	100.0	Flexure	ksi	-34.20	-11.31	-2.66	6.625	238.49

Span 4

Location	(ft)	Percent	Units	Capacity	LL	Legal	Legal
						Rating	Load Rating
						Factor	(Ton)

		Limit State			DL + Adj -LL*			
9.52	10.0	Shear	kip	518.17	75.81	62.82	5.184	186.63
9.52	10.0	Flexure	ksi	-35.90	-13.06	-3.42	6.689	240.79
9.52	10.0	Flexure	ksi	-34.20	-6.42	-2.06	10.360	372.95
13.00	13.6	Shear	kip	414.51	70.46	60.33	4.162	149.84
13.00	13.6	Flexure	ksi	-34.63	-13.06	-3.42	6.317	227.41
13.00	13.6	Flexure	ksi	-34.20	-6.94	-2.75	7.618	274.24
19.05	20.0	Shear	kip	414.51	61.42	55.71	4.663	167.87
19.05	20.0	Flexure	ksi	-34.63	-7.30	-3.97	6.882	247.77
19.05	20.0	Flexure	ksi	-34.20	-3.42	-2.55	9.284	334.21
23.50	24.7	Shear	kip	424.98	54.89	52.10	5.261	189.39
23.50	24.7	Flexure	ksi	-34.63	-7.30	-3.97	6.882	247.77
23.50	24.7	Flexure	ksi	34.20	-1.14	2.72	10.012	360.44
28.58	30.0	Shear	kip	395.43	47.29	47.78	5.415	194.93
28.58	30.0	Flexure	ksi	36.00	1.44	4.71	7.336	264.11
28.58	30.0	Flexure	ksi	34.20	1.15	3.62	7.016	252.56
38.10	40.0	Shear	kip	395.43	33.32	39.15	6.951	250.24
38.10	40.0	Flexure	ksi	36.00	5.69	6.24	4.862	175.01
38.10	40.0	Flexure	ksi	34.20	4.55	4.80	4.755	171.19
47.63	50.0	Shear	kip	395.43	19.18	30.06	9.504	342.14
47.63	50.0	Flexure	ksi	36.00	8.45	7.03	3.920	141.12
47.63	50.0	Flexure	ksi	34.20	6.76	5.41	3.904	140.56
57.15	60.0	Shear	kip	395.43	5.05	-24.95	12.384	445.81
57.15	60.0	Flexure	ksi	36.00	9.72	7.27	3.612	130.04
57.15	60.0	Flexure	ksi	34.20	7.78	5.60	3.632	130.76
66.68	70.0	Shear	kip	395.43	-9.09	-33.46	8.829	317.84
66.68	70.0	Flexure	ksi	36.00	9.52	6.80	3.892	140.12
66.68	70.0	Flexure	ksi	34.20	7.62	5.23	3.907	140.67
76.20	80.0	Shear	kip	395.43	-23.06	-42.88	6.577	236.75
76.20	80.0	Flexure	ksi	36.00	7.83	5.44	5.176	186.33
76.20	80.0	Flexure	ksi	34.20	6.26	4.19	5.133	184.79
85.72	90.0	Shear	kip	395.43	-37.19	-53.08	5.057	182.04
85.72	90.0	Flexure	ksi	36.00	4.66	3.28	9.546	343.67
85.72	90.0	Flexure	ksi	34.20	3.72	2.53	9.282	334.15
95.25	100.0	Shear	kip	469.80	-51.33	-63.94	4.880	175.68
95.25	100.0	Flexure	ksi	-36.00	0.00	0.00	99.000	3564.00
95.25	100.0	Flexure	ksi	-34.20	0.00	0.00	99.000	3564.00

Note:

*Adj-LL is only applicable for Permit load rating.





Job Number 125349 **Sheet** 1 of 2 **Page**
Project Piqua Troy Bridge Evaluation Study
By YRY **Date** 1/20/23
Checked SJM **Date** 2/1/23
Subject BRIDGE DECK DRAINAGE CALCULATIONS

Revision Date: 6/13/08

Form No. F-009

FLOW TOWARDS -> REAR FWD
 STATION OF CATCH BASINS: 0078+48.42 0083+41.58
 TRIAL INITIAL SCUPPER SPA: 1287.30 1114.80
 (ITERATE UNTIL TRIAL SPA = L_0)

GRADE, S: $S = \frac{g_2 - g_1}{L_c} * X + g_1$ 4.00 3.00
 HEC 21 App. A
 HEC 21 eqn 27

CURVE INFORMATION:

G1 = 4.00 % G2 = -3.00 %
 LENGTH OF CURVE, L_c = 700 FT. PC = 0077+50.00

$HighPt = \frac{-g_1 * L_c}{g_2 - g_1} + PC$ HIGH POINT ON CURVE: 0081+50.00
 HEC 21 eqn 27

DRAINAGE WIDTH, W_p : 21 FT FREQUENCY: 5 YRS.
 L&D 1103.2
 MANNINGS COEFFICIENT, n : 0.015 INTENSITY ZONE: B
 L&D 1102.3.3
 L&D 1101.2.4
 ALLOWABLE SPREAD, T: 9.000 FT CROSS SLOPE, S_x : 0.1875 in/Ft
 L&D 1103.2

COEFFICIENT OF RUNOFF, C: 0.900 SCUPPER WIDTH, W: 2.0 FT
 L&D 1101.2.3

TIME OF CONC., t^* : REAR 10 Min. FWD 10 Min.
 L&D 1103.3
 * From L&D Fig. 1101-1 with 10 Min. minimum

$Q = \left(\frac{0.56}{n}\right) * S_x^{1.67} * S^{0.5} * T^{2.67}$
 INITIAL FLOW ON DECK, Q: 2.539 cfs 2.199 cfs
 HEC 21 eqn 4

$i = \frac{a}{(t + b)^c}$ WITH a, b, and c being constants determined by the frequency and the intensity zone, see L&D Fig. 1101-2 and 1101-3
 RAINFALL INTENSITY, i: 4.5 "/hr. 4.5 "/hr.
 L&D 1101.2.4

DISTANCE FROM HIGH POINT ON BRIDGE TO CATCH BASIN 301.58 FT. 191.58 FT.

$L_0 = \frac{43560 * Q}{C * i * W_p}$
DISTANCE TO FIRST REQUIRED INLET, L_0 1287.3 FT 1114.8 FT
 HEC 21 eqn 22a

THEREFORE, NO SCUPPERS ARE REQUIRED REAR
AND NO SCUPPERS ARE REQUIRED FWD



Job Number 125349 Sheet 2 of 2 Page
 Project Piqua Troy Bridge Evaluation Study
 By YRY Date 1/20/23
 Checked SJM Date 2/1/23
 Subject BRIDGE DECK DRAINAGE CALCULATIONS

REFERENCES
 HEC 21 eqn 12
 HEC 21 eqn 27
 HEC 21 eqn 4
 L&D 1103.2
 HEC 21 eqn 5
 HEC 21 chart 10
 HEC 21 eqn 23
 HEC 21 eqn 26

ACTUAL SCUPPER LAYOUT REAR CB: 0078+48.42 FWD CB: 0083+41.58 HIGH PT: 0081+50.00

NOTE: R_f VALUES MUST BE OBTAINED FROM HEC 21 CHART 10.

EQUATIONS: SEE PREVIOUS PAGE FOR **S, V, E, AND K** **FLOW** $Q = C_i * SPA * W_p / 43560$

TOTAL Q = Q+BYPASS **ACTUAL SPREAD** $T = \left(\frac{Qn}{0.56 S_x^{1.67} S^{0.5}} \right)^{(1/2.67)}$ **INLET INTERCEPT = Q*K** **BYPASS = Q - INLET INTERCEPT**

STATION	SPACING - (from high point)	FLOW - Q	BYPASS	TOTAL Q	S	ACTUAL SPREAD	ALLOW SPREAD	V	R_f	E	K	INLET INTERCEPT	BYPASS	STATUS

HIGH POINT WITHIN BRIDGE LIMITS - 1. FLOW TOWARDS REAR APPROACH

0078+50.00	300	0.5917	0.0000	0.5917	3.00	5.50	9.00	2.50	1.00	0.70	N/A	0.414446869	0.1772	OK

HIGH POINT WITHIN BRIDGE LIMITS - 2. FLOW TOWARDS FWD APPROACH

0083+40.00	190	0.3747	0.0000	0.3747	1.90	5.05	9.00	1.88	1.00	0.74	N/A	0.277113325	0.0976	OK



FY 2022-2026 Business Plan Inflation Calculator:

[Not sure if you have the latest calculator? Click here.](#)

Last Modified: 7/30/2021

Today's Date:
February 1, 2023

Please Enter Values in the Yellow Areas Only:

Estimation Start Date:

Less than or Equal to Today's Date
(mm/dd/yyyy)

1/31/2023

Start Date:

Enter Construction Mid-Point Date:

(cannot exceed 02/01/2048)
(mm/dd/yyyy)

8/1/2028

Construction Mid-Point Date:

Present-Day Estimated Cost:

\$1.00

Estimated Dollar Amount:

Estimate Start Date to Construction Mid-Point Date:

67

Months

Inflation - Start to Mid-Point of Construction:

(compounded growth rate)

Inflated Dollar Amount:

Business Plan

15.3%

\$1.15

Estimator's Name:

County - Route - Section:

MIA-015-05.57

PID: N/A

Estimator's Notes:

Bridge Evaluation Study

Estimate ROADWAY

Estimated Cost:\$217,146.64

Contingency: 30.30%

Estimated Total: \$282,942.07

Design Risk (15.00%) & Inflation (15.3%) = Total Contingency (30.30%)

Base Date: 01/31/23

Spec Year: 19

Unit System: E

Work Type: BRIDGE REHABILITATION

Highway Type:

Urban/Rural Type: URBAN CLASS

Season:

County: MIAMI

Latitude of Midpoint: 0

Longitude of Midpoint: 0

District: 07

Federal/State Project Number: 000000

Estimate Type: Structure Type Study

Prepared by YRY on 01/31/23

Checked by SJM on 01/31/23

Approved by DWS on 02/01/23

Estimate: ROADWAY

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

Group 0010: Roadway

0005	201E11000 CLEARING AND GRUBBING	1.000	LS	\$10,000.00000	\$10,000.00
0006	202E22900 APPROACH SLAB REMOVED	135.000	SY	\$61.82742	\$8,346.70
0007	202E23000 PAVEMENT REMOVED	165.000	SY	\$22.14774	\$3,654.38
0008	202E32000 CURB REMOVED	75.000	FT	\$7.62208	\$571.66
0009	202E38000 GUARDRAIL REMOVED	200.000	FT	\$2.85659	\$571.32
0010	202E47000 BRIDGE TERMINAL ASSEMBLY REMOVED	4.000	EACH	\$90.39528	\$361.58
0011	203E10000 EXCAVATION	100.000	CY	\$23.64749	\$2,364.75
0012	203E20000 EMBANKMENT	50.000	CY	\$26.69836	\$1,334.92
0013	204E10000 SUBGRADE COMPACTION	165.000	SY	\$2.60059	\$429.10
0014	204E45000 PROOF ROLLING	2.000	HOUR	\$193.94377	\$387.89
0015	606E15050 GUARDRAIL, TYPE MGS	200.000	FT	\$19.41103	\$3,882.21
0016	606E35002 MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	2.000	EACH	\$2,181.62026	\$4,363.24
0017	606E35102 MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	2.000	EACH	\$472.16847	\$944.34
0018	609E26000 CURB, TYPE 6	65.000	FT	\$52.69497	\$3,425.17
0019	626E00102 BARRIER REFLECTOR, TYPE 1	8.000	EACH	\$9.58151	\$76.65
Total for Group 0010:					\$40,713.91

Group 0020: Erosion Control

0020	659E00100 SOIL ANALYSIS TEST	2.000	EACH	\$107.12131	\$214.24
0021	659E10000 SEEDING AND MULCHING	500.000	SY	\$4.93221	\$2,466.11

5:05:12PM

Tuesday, January 31, 2023

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<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

Total for Group 0020:\$2,680.35

Group 0035: Drainage

0032	611E04400	12.000	FT	\$121.13478	\$1,453.62
12" CONDUIT, TYPE B					
0033	611E98180	1.000	EACH	\$2,869.67732	\$2,869.68
CATCH BASIN, NO. 3A					

Total for Group 0035:\$4,323.30

Group 0050: Pavement

0022	302E56000	36.000	CY	\$212.00000	\$7,632.00
ASPHALT CONCRETE BASE, PG64-22 2 EQUAL LIFTS					
0023	304E20000	30.000	CY	\$76.61636	\$2,298.49
AGGREGATE BASE					
0024	441E50000	7.000	CY	\$325.00000	\$2,275.00
1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22					
0025	441E50200	8.000	CY	\$300.00000	\$2,400.00
1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)					
0026	526E30000	205.000	SY	\$316.21261	\$64,823.59
REINFORCED CONCRETE APPROACH SLABS (T=17")					

Total for Group 0050:\$79,429.08

Group 0120: Traffic Control

0027	644E50100	1.000	EACH	\$5,000.00000	\$5,000.00
EDGE LINE, 4" <i>lump sum for traffic control</i>					

Total for Group 0120:\$5,000.00

Group 0220: Maintenance of Traffic

0028	614E12420	1.000	LS	\$15,000.00000	\$15,000.00
LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE					

Total for Group 0220:\$15,000.00

Group 0230: Incidentals

0029	614E11000	1.000	LS	\$30,000.00000	\$30,000.00
MAINTAINING TRAFFIC					
0030	623E10000	1.000	LS	\$15,000.00000	\$15,000.00
CONSTRUCTION LAYOUT STAKES AND SURVEYING					
0031	624E10000	1.000	LS	\$25,000.00000	\$25,000.00

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
MOBILIZATION					
Total for Group 0230:					\$70,000.00

Estimate BRIDGE ALT. 2

Estimated Cost:\$701,470.00

Contingency: 30.30%

Estimated Total: \$914,015.41

Design Risk (15.00%) & Inflation (15.30%) = Total Contingency (30.30%)
(ALTERNATIVE - 2 - STRUCTURE COSTS)

Base Date: 01/31/23

Spec Year: 19

Unit System: E

Work Type: BRIDGE REHABILITATION

Highway Type:

Urban/Rural Type: URBAN CLASS

Season:

County: MIAMI

Latitude of Midpoint: 0

Longitude of Midpoint: 0

District: 07

Federal/State Project Number:

Estimate Type: Preliminary

Prepared by Robert Yin on 01/31/23
Checked by Steve Mitchell on 01/31/23
Approved by Dan Springer on 02/01/23

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

Group 0200: Structures Over 20 Foot Span

0005	202E11203	1.00	LS	\$50,000.00	\$50,000.00
PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					
0007	202E23500	220.00	SY	\$12.70	\$2,794.00
WEARING COURSE REMOVED					
0018	512E10100	2,000.00	SY	\$16.09	\$32,180.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					
0019	512E10600	200.00	FT	\$101.31	\$20,262.00
CONCRETE REPAIR BY EPOXY INJECTION					
0021	513E10240	0.00	LB	\$3.00	\$0.00
STRUCTURAL STEEL MEMBERS, LEVEL 2					
0023	514E00050	33,000.00	SF	\$6.69	\$220,770.00
SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL					
0024	514E00056	33,000.00	SF	\$1.00	\$33,000.00
FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT					
0025	514E00060	33,000.00	SF	\$1.59	\$52,470.00
FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
0026	514E00066	33,000.00	SF	\$1.45	\$47,850.00
FIELD PAINTING STRUCTURAL STEEL, FINISH COAT					
0027	515E30000	0.00	FT	\$56.00	\$0.00
HIGH EARLY STRENGTH KEYWAY GROUT					
0030	516E12302	80.00	FT	\$600.00	\$48,000.00
STRIP SEAL EXPANSION JOINT ANCHORED WITH ELASTOMERIC CONCRETE					
0033	516E47001	1.00	LS	\$16,000.00	\$16,000.00
JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN					
0035	519E11100	400.00	SF	\$70.36	\$28,144.00
PATCHING CONCRETE STRUCTURE					
0036	847E10200	1,500.00	SY	\$100.00	\$150,000.00
SUPERPLASTICIZED DENSE CONCRETE OVERLAY 1.75" THICK					

Total for Group 0200:\$701,470.00

Estimate BRIDGE ALT. 2

Estimated Cost:\$1,730,863.16

Contingency: 30.30%

Estimated Total: \$2,255,314.70

Design Risk (15.00%) & Inflation (15.30%) = Total Contingency (30.30%)
(ALTERNATIVE - 2 - STRUCTURE COSTS)

Base Date: 01/31/23

Spec Year: 19

Unit System: E

Work Type: BRIDGE REHABILITATION

Highway Type:

Urban/Rural Type: URBAN CLASS

Season:

County: MIAMI

Latitude of Midpoint: 0

Longitude of Midpoint: 0

District: 07

Federal/State Project Number:

Estimate Type: Preliminary

Prepared by Robert Yin on 01/31/23
Checked by Steve Mitchell on 01/31/23
Approved by Dan Springer on 02/01/23

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

Group 0200: Structures Over 20 Foot Span

0005	202E11203	1.00	LS	\$125,000.00	\$125,000.00
PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLA N					
0006	202E22900	220.00	SY	\$36.50	\$8,030.00
APPROACH SLAB REMOVED					
0007	202E23500	220.00	SY	\$12.70	\$2,794.00
WEARING COURSE REMOVED					
0008	503E11100	1.00	LS	\$7,500.00	\$7,500.00
COFFERDAMS AND EXCAVATION BRACING					
0009	503E21100	200.00	CY	\$72.34	\$14,468.00
UNCLASSIFIED EXCAVATION					
0010	509E10000	163,938.00	LB	\$1.50	\$245,907.00
EPOXY COATED REINFORCING STEEL					
0011	509E30020	702.00	FT	\$1.55	\$1,088.10
NO. 4 GFRP DEFORMED BARS					
0012	510E10000	560.00	EACH	\$18.00	\$10,080.00
DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT					
0013	511E33500	4.00	EACH	\$2,685.11	\$10,740.44
SEMI-INTEGRAL DIAPHRAGM GUIDE					
0014	511E34447	537.00	CY	\$850.00	\$456,450.00
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN					
0015	511E34450	220.00	CY	\$750.00	\$165,000.00
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)					
0016	511E43212	22.00	CY	\$950.00	\$20,900.00
CLASS QC1 CONCRETE WITH QC/QA, PIER					
0017	511E45712	28.00	CY	\$1,122.18	\$31,421.04
CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT					
0018	512E10100	2,000.00	SY	\$16.09	\$32,180.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					
0019	512E10600	20.00	FT	\$154.76	\$3,095.20
CONCRETE REPAIR BY EPOXY INJECTION					
0020	512E33000	87.00	SY	\$19.90	\$1,731.30
TYPE 2 WATERPROOFING					
0021	513E10240	200.00	LB	\$3.00	\$600.00
STRUCTURAL STEEL MEMBERS, LEVEL 2					
0022	513E20000	4,752.00	EACH	\$3.78	\$17,962.56
WELDED STUD SHEAR CONNECTORS					
0023	514E00050	33,000.00	SF	\$6.69	\$220,770.00
SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL					

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0024	514E00056	33,000.00	SF	\$1.00	\$33,000.00
FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT					
0025	514E00060	33,000.00	SF	\$1.59	\$52,470.00
FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
0026	514E00066	33,000.00	SF	\$1.45	\$47,850.00
FIELD PAINTING STRUCTURAL STEEL, FINISH COAT					
0027	515E30000	186.00	FT	\$56.00	\$10,416.00
HIGH EARLY STRENGTH KEYWAY GROUT					
0028	516E13600	15.00	SF	\$7.65	\$114.75
1" PREFORMED EXPANSION JOINT FILLER					
0029	516E13900	164.00	SF	\$8.24	\$1,351.36
2" PREFORMED EXPANSION JOINT FILLER					
0030	516E14020	120.00	FT	\$30.58	\$3,669.60
SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL					
0031	516E44100	10.00	EACH	\$1,004.00	\$10,040.00
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)					
0032	516E44200	15.00	EACH	\$1,028.86	\$15,432.90
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)					
0033	516E47001	1.00	LS	\$16,000.00	\$16,000.00
JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN					
0034	518E21200	86.00	CY	\$62.00	\$5,332.00
POROUS BACKFILL WITH GEOTEXTILE FABRIC					
0036	519E11100	40.00	SF	\$98.55	\$3,942.00
PATCHING CONCRETE STRUCTURE					
0037	526E25010	217.00	SY	\$268.33	\$58,227.61
REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")					
0038	526E90010	80.00	FT	\$150.00	\$12,000.00
TYPE A INSTALLATION					
0039	607E39900	866.00	FT	\$86.29	\$74,727.14
VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC					
0040	846E00110	32.00	CF	\$330.38	\$10,572.16
POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM					
Total for Group 0200:\$1,730,863.16					

Estimate BRIDGE ALT. 3

Estimated Cost:\$3,033,285.60

Contingency: 30.30%

Estimated Total: \$3,952,371.14

Design Risk (15.00%) & Inflation (15.30%) = Total Contingency (30.30%)
(ALTERNATIVE - 3 - STRUCTURE COSTS)

Base Date: 01/31/23

Spec Year: 19

Unit System: E

Work Type: BRIDGE REHABILITATION

Highway Type:

Urban/Rural Type: URBAN CLASS

Season:

County: MIAMI

Latitude of Midpoint: 0

Longitude of Midpoint: 0

District: 07

Federal/State Project Number:

Estimate Type: Preliminary

Prepared by Robert Yin on 01/31/23
Checked by Steve Mitchell on 01/31/23
Approved by Dan Springer on 02/01/23

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

Group 0200: Structures Over 20 Foot Span

0005	202E11203	1.00	LS	\$125,000.00	\$125,000.00
PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLA N					
0006	202E22900	220.00	SY	\$36.50	\$8,030.00
APPROACH SLAB REMOVED					
0007	202E23500	220.00	SY	\$12.70	\$2,794.00
WEARING COURSE REMOVED					
0008	503E11100	1.00	LS	\$7,500.00	\$7,500.00
COFFERDAMS AND EXCAVATION BRACING					
0009	503E21100	200.00	CY	\$72.34	\$14,468.00
UNCLASSIFIED EXCAVATION					
0010	509E10000	162,292.00	LB	\$1.50	\$243,438.00
EPOXY COATED REINFORCING STEEL					
0011	509E30020	702.00	FT	\$1.55	\$1,088.10
NO. 4 GFRP DEFORMED BARS					
0012	510E10000	560.00	EACH	\$18.00	\$10,080.00
DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT					
0013	511E33500	4.00	EACH	\$2,685.11	\$10,740.44
SEMI-INTEGRAL DIAPHRAGM GUIDE					
0014	511E34447	537.00	CY	\$850.00	\$456,450.00
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN					
0015	511E34450	220.00	CY	\$750.00	\$165,000.00
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)					
0016	511E43212	22.00	CY	\$950.00	\$20,900.00
CLASS QC1 CONCRETE WITH QC/QA, PIER					
0017	511E45712	28.00	CY	\$1,122.18	\$31,421.04
CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT					
0018	512E10100	2,000.00	SY	\$16.09	\$32,180.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					
0019	512E10600	20.00	FT	\$154.76	\$3,095.20
CONCRETE REPAIR BY EPOXY INJECTION					
0020	512E33000	87.00	SY	\$19.90	\$1,731.30
TYPE 2 WATERPROOFING					
0021	513E10240	572,400.00	LB	\$2.75	\$1,574,100.00
STRUCTURAL STEEL MEMBERS, LEVEL 2					
0022	513E20000	4,752.00	EACH	\$3.78	\$17,962.56
WELDED STUD SHEAR CONNECTORS					
0023	514E00060	33,000.00	SF	\$1.59	\$52,470.00
FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0024	514E00066	33,000.00	SF	\$1.45	\$47,850.00
FIELD PAINTING STRUCTURAL STEEL, FINISH COAT					
0025	515E30000	186.00	FT	\$56.00	\$10,416.00
HIGH EARLY STRENGTH KEYWAY GROUT					
0026	516E13600	15.00	SF	\$7.65	\$114.75
1" PREFORMED EXPANSION JOINT FILLER					
0027	516E13900	160.00	SF	\$8.25	\$1,320.00
2" PREFORMED EXPANSION JOINT FILLER					
0028	516E14020	160.00	FT	\$30.39	\$4,862.40
SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL					
0029	516E44100	10.00	EACH	\$1,004.00	\$10,040.00
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)					
0030	516E44200	15.00	EACH	\$1,028.86	\$15,432.90
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)					
0031	518E21200	86.00	CY	\$62.00	\$5,332.00
POROUS BACKFILL WITH GEOTEXTILE FABRIC					
0033	519E11100	40.00	SF	\$98.55	\$3,942.00
PATCHING CONCRETE STRUCTURE					
0034	526E25010	217.00	SY	\$268.33	\$58,227.61
REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")					
0035	526E90010	80.00	FT	\$150.00	\$12,000.00
TYPE A INSTALLATION					
0036	607E39900	866.00	FT	\$86.29	\$74,727.14
VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC					
0037	846E00110	32.00	CF	\$330.38	\$10,572.16
POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM					

Total for Group 0200:\$3,033,285.60