

Mn/DOT Structure Inventory Report

Bridge ID: 69801D I 535 SB SEG 2 over BNSF RR

Date: 07/16/2009

+ GENERAL +	+ ROADWAY +	+ INSPECTION +
Agency Br. No.	Bridge Match ID (TIS) 1	Deficient Status ADEQ
District 1 Maint. Area 1A	Roadway O/U Key 1-ON	Sufficiency Rating 88.6
County 69 - ST LOUIS	Route Sys/Nbr ISTH 535	Last Inspection Date 09-24-2008
City DULUTH	Roadway Name or Description	Inspection Frequency 24
Township	SB SEG 2	Inspector Name DISTRICT1
Desc. Loc. AT THE JCT TH 35 & 535	Roadway Function RAMP/WYE	Structure A-OPEN
Sect., Twp., Range 33 - 050N - 14W	Roadway Type 1 WAY TRAF	+ CONDITION CODES +
Latitude 46d 45m 55.99s	Control Section (TH Only) 6980	Deck 7
Longitude 92d 07m 30.13s	Ref. Point (TH Only) 001+00.540	Superstructure 7
Custodian STATE HWY	Date Opened to Traffic 11-01-1971	Substructure 8
Owner STATE HWY	Detour Length 1 mi.	Channel N
Inspection By DISTRICT 1	Lanes 1 Lane ON Bridge	Culvert N
BMU Agreement	ADT (YEAR) 14,000 (2004)	+ APPRAISAL RATINGS +
Year Built 1969	HCA DT 980	Structure Evaluation 6
Year Fed Rehab	Functional Class. URB/PR ART ISTH	Deck Geometry 5
Year Remodeled	+ RDWY DIMENSIONS +	Underclearances 5
Temp	If Divided NB-EB SB-WB	Waterway Adequacy N
Plan Avail. CENTRAL	Roadway Width 21.1 ft	Approach Alignment 8
+ STRUCTURE +	Vertical Clearance	+ SAFETY FEATURES +
Service On HIGHWAY	Max. Vert. Clear.	Bridge Railing 1-MEETS STANDARDS
Service Under RAILROAD	Horizontal Clear. 21.1 ft	GR Transition 0-SUBSTANDARD
Main Span Type CSTL BEAM SPAN	Lateral Clr. - Lt/Rt	Appr. Guardrail 0-SUBSTANDARD
Main Span Detail	Appr. Surface Width 21.1 ft	GR Termini N-NOT REQUIRED
Appr. Span Type	Roadway Width 21.1 ft	+ IN DEPTH INSP. +
Appr. Span Detail	Median Width	Frac. Critical
Skew	+ MISC. BRIDGE DATA +	Underwater
Culvert Type	Structure Flared YES	Pinned Asbly.
Barrel Length	Parallel Structure LEFT	Spec. Feat.
Number of Spans	Field Conn. ID BOLTED	+ WATERWAY +
MAIN: 4 APPR: 0 TOTAL: 4	Cantilever ID FRICTION	Drainage Area
Main Span Length 69.0 ft	Foundations	Waterway Opening
Structure Length 244.9 ft	Abut.	Navigation Control NOT APPL
Deck Width 25.3 ft - Varies	Pier CONC - FTG PILE	Pier Protection
Deck Material C-I-P CONCRETE	On - Off System ON	Nav. Vert./Horz. Clr.
Wear Surf Type LOW SLUMP CONC	+ PAINT +	Nav. Vert. Lift Bridge Clear.
Wear Surf Install Year 1985	Year Painted 1972 Pct. Unsound 50 %	MN Scour Code A-NON WATERWAY
Wear Course/Fill Depth 0.17 ft	Painted Area 8,036 sf	Scour Evaluation Year
Deck Membrane NONE	Primer Type LEAD	+ CAPACITY RATINGS +
Deck Rebars N/A	Finish Type PHENOLIC RESIN ALUM.	Design Load HS20MOD
Deck Rebars Install Year	+ BRIDGE SIGNS +	Operating Rating HS 25.00
Structure Area 8,987 sq ft	Posted Load NOT REQUIRED	Inventory Rating HS 15.00
Roadway Area 7,589 sq ft	Traffic NOT REQUIRED	Posting
Sidewalk Width - L/R	Horizontal OBJECT MARKERS	Rating Date 01-13-1998
Curb Height - L/R	Vertical NOT REQUIRED	Mn/DOT Permit Codes
Rail Codes - L/R 22 22		A: 2 B: 2 C: 2



21 West Superior Street, Suite 500
Duluth, Minnesota 55802
218 727-8446
Fax 218 727-8456
www.LHBcorp.com

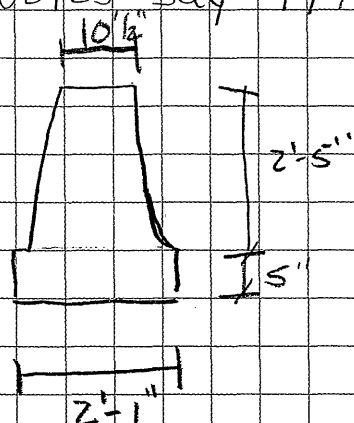
250 3rd Avenue North, Suite 450
Minneapolis, Minnesota 55401
612 338-2029
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PROJECT Bridge 69801

PROJECT # 090147 DATE 11/4/09 BY CJM SHEET NO. 1 OF 1

Railing weight calc check - from 2006 Rehab plans

- Notes say 477 lb/ft (see sh + 22 of 203)



Area - per autocad = 577 in²

$$\text{Weight} = \frac{577 \text{ in}^2}{144 \text{ in}^2/\text{ft}} (150 \text{ pcf}) = \underline{601.0 \text{ PLF}}$$

$$\text{Load/Girder @ } 477 \text{ lb/ft} = 2 \text{ Rails/3 Girders } (477 \text{ lb/ft}) = 318 \text{ PLF}$$

$$\text{Load/Girder @ } 601 \text{ lb/ft} = 2 \text{ rails/3 Girders } (601 \text{ lb/ft}) = 400.7 \text{ lb/ft}$$

$$\Delta = 82.7 \text{ lb/ft per Girder}$$

RECEIVED

SEP -- 2012

LEGISLATIVE REFERENCE LIBRARY
STATE OFFICE BUILDING
ST. PAUL, MN 55155

Overall Summary

GIRDER MOMENT LOADING AND RATING SUMMARY FOR BRIDGE NO. 69801D

COMPLETD BY: CIM

CHECKED BY: RAM

DATE: 2/23/10

DATE: 3/17/10

SUPERSTRUCTURE NBI = 7. C.R.F. = 1.0

SPAN LOCATION	1.4	2.0	2.5	3.0	3.5	4.0	4.5	4.6	5.0	5.1
S_r (in ³)	633.3	617.3	633.3	709.7	633.3	617.3	633.3	633.3	433.3	437.9
S_c (in ³)	6616.1	617.3	6616.1	709.7	6616.1	617.3	6616.1	6616.1	433.3	437.9
Steel Yield Strength (ksi)	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Steel Tensile Strength (ksi)	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
Impact (HS20 Loading only. Permit Truck Imact = 1.25)	1.250 1.250	1.250 1.200	1.250 1.250	1.250 1.200	1.250 1.250	1.250 1.250	1.250 1.250	1.250 1.250	1.250 1.250	1.250 1.250
Non-Composite Service Dead Load Moment (k-ft) (Girder 1)	144.05	-314.01	218.69	-478.48	182.17	-361.37	145.94	150.75	-147.34	0.22
Composite Service Dead Load Moment (k-ft) (Girder 1)	62.97	-115.97	105.51	-168.28	91.86	-133.99	62.33	62.74	-61.47	0.07
Non-Composite Service Dead Load Moment (k-ft) (Girder 2)	150.43	-322.75	220.47	-508.31	196.87	-376.78	142.55	147.76	-159.31	0.47
Composite Service Dead Load Moment (k-ft) (Girder 2)	63.23	-115.18	104.67	-174.64	96.79	-140.19	58.06	59.05	-63.08	0.19
Non-Composite Service Dead Load Moment (k-ft) (Girder 3)	145.33	-308.89	213.00	-496.39	207.05	-370.06	127.91	134.22	-155.04	2.01
Composite Service Dead Load Moment (k-ft) (Girder 3)	63.35	-114.54	103.44	-174.72	102.51	-141.40	54.16	55.49	-64.34	0.84
Service Live Load + Impact (k-ft)										
HS20	383.76 -97.88	86.87 -324.99	573.23 -152.92	53.20 -367.62	590.45 -134.07	94.12 -379.55	501.81 -193.43	521.15 -188.99	76.40 -313.96	4.27 -0.64
P411	461.42 -78.25	70.56 -585.49	650.80 -112.81	62.68 -741.43	633.13 -92.87	77.31 -727.44	580.04 -130.26	564.02 -140.91	37.46 -395.63	5.22 -0.48
P413	455.08 -81.41	74.61 -582.45	643.70 -119.49	62.42 -750.61	645.71 -98.66	82.09 -715.75	543.18 -135.77	515.35 -148.46	38.66 -406.07	5.56 -0.49
STD A	366.13 -81.57	75.84 -333.99	534.45 -112.19	56.91 -383.44	535.72 -87.84	72.73 -383.85	475.67 -170.43	486.01 -155.08	39.60 -326.53	4.60 -0.51
STD B	451.07 -97.20	81.72 -460.92	643.74 -131.28	62.32 -503.94	654.21 -104.08	86.34 -515.33	537.78 -157.57	561.13 -161.91	46.25 -378.24	5.43 -0.59
STD C	485.92 -101.33	86.08 -544.53	670.67 -138.17	60.05 -602.45	678.86 -109.13	90.52 -617.45	557.78 -164.17	577.59 -165.87	48.65 -401.90	5.56 -0.62
C152b	477.14 -80.46	75.20 -541.29	654.08 -138.77	47.04 -607.11	666.95 -108.42	71.40 -622.11	542.42 -164.96	570.55 -167.12	48.41 -400.69	5.70 -0.62
C174b	461.76 -78.96	79.96 -589.90	636.51 -135.27	53.50 -674.01	648.52 -105.56	72.17 -685.28	507.12 -161.01	523.79 -156.92	46.29 -389.05	5.18 -0.59
C198	467.02 -78.99	72.69 -613.29	600.14 -106.15	53.72 -725.77	599.33 -93.06	77.47 -728.62	528.25 -123.35	503.82 -135.47	40.03 -393.45	5.36 -0.51
C214b	488.84 -76.26	70.75 -630.32	609.50 -109.93	56.63 -769.73	610.79 -91.05	75.81 -760.72	514.41 -126.03	505.35 -132.98	38.13 -412.84	5.68 -0.49
C237b	461.68 -82.12	72.10 597.98	651.80 -125.47	62.45 -774.58	653.68 -103.80	80.90 -753.49	577.79 -173.00	544.66 -186.87	37.51 -404.53	5.49 -0.48
C256b	456.87 -84.73	83.61 -584.86	675.43 -147.29	65.22 -764.16	672.34 -109.86	84.60 -724.08	583.12 -213.74	563.73 -224.82	39.51 -402.98	5.45 -0.50
CPM200j	472.10 -92.72	77.45 -582.45	741.29 -124.67	52.37 -655.88	752.91 -102.85	85.06 -673.98	594.97 -149.87	570.49 -116.54	44.85 -422.66	5.78 -0.57
MOMENT CAPACITIES (Girder 1) *	1899.7	1635.9	1899.7	1880.2	Varies***	1619.6	Varies***	Varies***	1116.1	1313.8
MOMENT CAPACITIES (Girder 2) *	1899.7	1635.9	1899.7	1755.8		1615.5			1134.1	1457.0
MOMENT CAPACITIES (Girder 3) *	1899.7	1635.9	1899.7	1877.6		1611.9			1151.1	1495.1
RATING FACTORS **										
HS-20 (inv.)	1.84 (3)	1.53 (1)	1.07 (1)	1.09 (2)	0.96 (3)	1.15 (3)	1.40 (3)	1.38 (3)	1.27 (3)	160.83 (3)
HS-20 (oper.)	3.07 (3)	2.55 (1)	1.79 (1)	1.82 (2)	1.60 (3)	1.92 (3)	2.34 (3)	2.30 (3)	2.12 (3)	268.59 (3)
P411	2.56 (3)	1.58 (1)	1.58 (1)	1.25 (3)	1.46 (3)	1.00 (3)	1.96 (1)	2.03 (1)	1.68 (3)	219.70 (3)
P413	2.59 (3)	1.59 (1)	1.59 (1)	1.24 (3)	1.43 (3)	1.02 (3)	2.10 (1)	2.22 (1)	1.64 (3)	206.31 (3)
STD A	3.22 (3)	2.79 (3)	1.92 (1)	2.42 (3)	1.75 (3)	1.90 (3)	2.46 (3)	2.46 (3)	2.04 (3)	249.59 (3)
STD B	2.61 (3)	2.01 (1)	1.59 (1)	1.84 (3)	1.41 (3)	1.41 (3)	2.11 (1)	2.04 (1)	1.76 (3)	211.29 (3)
STD C	2.43 (1)	1.70 (1)	1.53 (1)	1.54 (3)	1.36 (3)	1.18 (3)	2.04 (1)	1.98 (1)	1.66 (3)	206.19 (3)
C152b	2.47 (3)	1.72 (3)	1.57 (1)	1.53 (3)	1.38 (3)	1.17 (3)	2.09 (1)	2.00 (1)	1.66 (3)	201.42 (3)
C174b	2.55 (3)	1.58 (3)	1.61 (1)	1.38 (3)	1.43 (3)	1.06 (3)	2.25 (1)	2.18 (1)	1.71 (3)	221.42 (3)
C198	2.53 (1)	1.51 (1)	1.71 (1)	1.28 (3)	1.55 (3)	1.00 (3)	2.16 (1)	2.27 (1)	1.69 (3)	214.03 (3)
C214b	2.41 (3)	1.47 (1)	1.68 (1)	1.21 (3)	1.52 (3)	0.96 (3)	2.22 (1)	2.27 (1)	1.61 (3)	202.02 (3)
C237b	2.55 (3)	1.55 (1)	1.57 (1)	1.20 (3)	1.41 (3)	0.97 (3)	1.97 (1)	2.10 (1)	1.65 (3)	208.87 (3)
C256b	2.58 (3)	1.59 (3)	1.53 (3)	1.21 (3)	1.37 (3)	1.01 (3)	1.95 (1)	2.03 (1)	1.65 (3)	210.33 (3)
CPM200j	2.50 (3)	1.59 (1)	1.38 (1)	1.41 (3)	1.21 (3)	1.08 (3)	1.91 (1)	2.00 (1)	1.58 (3)	198.56 (3)
Inventory Rating	36.8	30.6	21.4	21.8	19.2	23.0	28.0	27.6	25.4	3216.6
Operating Rating	61.4	51.0	35.8	36.4	32.0	38.4	46.8	46.0	42.4	5371.8

* Moment Capacities computed by MDX software

** Rating Factors computed by MDX software

*** Capacity Varies at Span points 3.5, 4.5 & 4.6. Capacity is influenced by average normal stress in the compression flange (Fbs)

(##) Specifies which girder controls. Live loads are for controlling girder.

GIRDER SHEAR LOADING AND RATING SUMMARY FOR BRIDGE NO. 69801D

COMPLETD BY: CJM			CHECKED BY: RAM					
DATE: 2/23/10			DATE: 3/17/10					
SUPERSTRUCTURE NBI = 7. C.R.F. = 1.0								
GIRDER	Girder 1							
SPAN LOCATION	1.2	2.0	3.0L	3.0R	4.0L	4.0R	5.0	5.1
AREA (W36X135) (in ²)	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
D (in)	34.02	34.02	34.02	34.02	34.02	34.02	34.02	34.02
t _w (in)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Steel Yield Strength (ksi)	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Steel Tensile Strength (ksi)	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
Impact	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300
Non-Composite Service Dead Load Shear (k)	16.19	33.18	-38.24	36.92	-33.36	32.41	27.56	21.40
Composite Service Dead Load Shear (k)	6.93	13.83	-15.32	14.77	-13.89	13.07	11.49	8.92
Service Live Load + Impact (k)								
HS20	47.26	55.02	-55.71	52.48	-54.46	57.50	59.90	54.74
P411	52.97	69.06	-71.00	71.09	-69.84	71.22	68.04	61.68
P413	59.37	73.86	-76.91	80.01	-77.19	76.88	72.65	65.47
STD A	43.51	56.50	-55.71	56.49	-55.93	54.20	53.22	48.78
STD B	56.87	66.48	-66.21	66.86	-65.52	64.66	65.12	58.88
STD C	57.01	76.13	-74.76	75.84	-75.12	70.56	71.60	63.04
C152b	56.50	73.44	-72.19	73.18	-72.40	68.87	69.94	61.93
C174b	54.33	76.67	-75.71	76.31	-74.92	69.32	70.49	61.11
C198	56.04	72.31	-72.42	72.77	-72.02	71.85	68.31	62.36
C214b	62.03	73.13	-76.46	76.79	-74.11	76.61	72.35	66.41
C237b	60.23	74.86	-78.27	79.26	-76.22	77.75	72.42	66.60
C256b	59.17	75.81	-79.44	80.68	-76.96	78.59	73.68	66.39
CPM200j	56.54	83.36	-80.21	83.48	-83.00	80.38	78.70	68.18
SHEAR CAPACITIES (Vu=0.58*Fy*Aw*Cv)(Cv=1.0)	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2
RATING FACTORS								
HS-20 (inv.)	3.86	3.06	2.95	3.15	3.09	2.94	2.89	3.26
HS-20 (oper.)	6.45	5.10	4.92	5.26	5.15	4.91	4.82	5.44
P411	5.75	4.07	3.86	3.88	4.02	3.96	4.24	4.82
P413	5.13	3.80	3.57	3.45	3.64	3.67	3.98	4.54
STD A	7.00	4.97	4.92	4.89	5.02	5.21	5.43	6.10
STD B	5.36	4.22	4.14	4.13	4.28	4.37	4.43	5.05
STD C	5.35	3.69	3.67	3.64	3.74	4.00	4.03	4.72
C152b	5.39	3.82	3.80	3.77	3.88	4.10	4.13	4.80
C174b	5.61	3.66	3.62	3.62	3.75	4.07	4.10	4.87
C198	5.44	3.88	3.79	3.79	3.90	3.93	4.23	4.77
C214b	4.91	3.84	3.59	3.60	3.79	3.69	3.99	4.48
C237b	5.06	3.75	3.50	3.48	3.68	3.63	3.99	4.47
C256b	5.15	3.70	3.45	3.42	3.65	3.59	3.92	4.48
CPM200j	5.39	3.37	3.42	3.31	3.38	3.51	3.67	4.36
Inventory Rating	77.3	61.2	59.0	63.0	61.7	58.8	57.8	65.1
Operating Rating	129.0	102.1	98.5	105.2	103.0	98.2	96.4	108.7

GIRDER SHEAR LOADING AND RATING SUMMARY FOR BRIDGE NO. 69801D

COMPLETD BY: CJM

CHECKED BY: RAM

DATE: 2/23/10

DATE: 3/17/10

SUPERSTRUCTURE NBI = 7. C.R.F. = 1.0

GIRDER SPAN LOCATION	Girder 2							
	1.2	2.0	3.0L	3.0R	4.0L	4.0R	5.0	5.1
AREA (W36X135) (in ²)	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
D (in)	34.02	34.02	34.02	34.02	34.02	34.02	34.02	34.02
t _w (in)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Steel Yield Strength (ksi)	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Steel Tensile Strength (ksi)	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
Impact	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300
Non-Composite Service Dead Load Shear (k)	16.90	34.21	-39.99	39.20	-35.08	33.53	29.62	22.54
Composite Service Dead Load Shear (k)	6.94	13.78	-15.55	15.18	-14.33	13.14	11.73	9.14
Service Live Load + Impact (k)								
HS20	47.60	55.37	-58.58	59.20	-58.62	54.61	52.30	46.39
P411	50.99	65.27	-66.69	66.34	-66.76	68.19	61.99	57.84
P413	58.43	66.32	-70.05	73.73	-71.13	71.44	64.37	61.76
STD A	42.20	51.38	-51.27	52.10	-52.10	50.72	46.91	45.21
STD B	56.61	60.03	-60.60	61.95	-61.33	60.42	56.20	59.27
STD C	56.43	67.76	-67.63	68.87	-68.69	66.94	61.61	60.39
C152b	55.99	66.30	-66.29	67.45	-67.50	64.72	61.15	62.36
C174b	54.81	68.53	-68.65	69.85	-69.70	67.38	65.82	61.00
C198	54.68	66.06	-68.90	68.23	-67.73	70.10	65.27	60.19
C214b	59.99	68.98	-73.07	73.04	-72.60	74.12	69.22	58.54
C237b	57.40	67.26	-69.29	73.31	-70.43	72.99	66.14	57.85
C256b	56.62	67.75	-72.84	73.85	-70.36	72.73	64.99	59.53
CPM200j	55.76	74.17	-74.94	76.16	-75.89	74.89	70.25	58.86
SHEAR CAPACITIES (Vu=0.58*Fy*Aw*Cv)(Cv=1.0)	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2
RATING FACTORS								
HS-20 (inv.)	3.83	3.03	2.78	2.77	2.85	3.08	3.28	3.82
HS-20 (oper.)	6.39	5.05	4.65	4.62	4.75	5.15	5.48	6.38
P411	5.96	4.29	4.08	4.12	4.17	4.12	4.62	5.12
P413	5.20	4.22	3.89	3.71	3.91	3.94	4.45	4.80
STD A	7.20	5.45	5.31	5.25	5.34	5.54	6.11	6.55
STD B	5.37	4.66	4.49	4.41	4.54	4.65	5.10	5.00
STD C	5.39	4.13	4.03	3.97	4.05	4.20	4.65	4.90
C152b	5.43	4.22	4.11	4.05	4.13	4.34	4.69	4.75
C174b	5.55	4.08	3.97	3.92	3.99	4.17	4.35	4.86
C198	5.56	4.24	3.95	4.01	4.11	4.01	4.39	4.92
C214b	5.07	4.06	3.73	3.74	3.84	3.79	4.14	5.06
C237b	5.30	4.16	3.93	3.73	3.95	3.85	4.33	5.12
C256b	5.37	4.13	3.74	3.70	3.96	3.87	4.41	4.98
CPM200j	5.45	3.77	3.63	3.59	3.67	3.75	4.08	5.03
Inventory Rating	76.5	60.6	55.7	55.3	56.9	61.7	65.6	76.5
Operating Rating	127.7	101.1	93.0	92.4	95.0	103.0	109.6	127.7

GIRDER SHEAR LOADING AND RATING SUMMARY FOR BRIDGE NO. 69801D

COMPLETD BY: CJM

CHECKED BY: RAM

DATE: 2/23/10

DATE: 3/17/10

SUPERSTRUCTURE NBI = 7. C.R.F. = 1.0

GIRDER	Girder 3							
SPAN LOCATION	1.2	2.0	3.0L	3.0R	4.0L	4.0R	5.0	5.1
AREA (W36X135) (in ²)	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
D (in)	34.02	34.02	34.02	34.02	34.02	34.02	34.02	34.02
t _w (in)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Steel Yield Strength (ksi)	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Steel Tensile Strength (ksi)	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
Impact	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300
Non-Composite Service Dead Load Shear (k)	16.26	32.86	-38.59	38.16	-34.52	32.26	28.83	22.33
Composite Service Dead Load Shear (k)	6.95	13.72	-15.45	15.34	-14.53	13.06	11.96	9.33
Service Live Load + Impact (k)								
HS20	47.28	55.01	-55.60	54.46	-56.79	55.37	59.61	45.84
P411	52.92	69.22	-72.24	72.77	-72.96	74.28	69.92	61.36
P413	59.36	73.92	-78.37	82.14	-79.70	77.87	74.95	67.40
STD A	43.50	56.55	-55.57	57.90	-58.17	54.17	55.94	51.61
STD B	56.87	66.58	-66.12	69.67	-69.64	64.58	66.79	62.69
STD C	57.00	76.23	-74.54	77.96	-78.18	71.45	74.22	66.97
C152b	56.49	73.53	-71.99	75.34	-75.79	69.75	72.73	65.92
C174b	54.26	76.80	-75.55	79.58	-79.94	70.02	74.90	65.25
C198	55.99	72.23	-72.22	74.19	-75.44	74.53	70.82	62.73
C214b	61.98	73.15	-76.41	78.23	-77.45	78.63	74.91	67.12
C237b	60.18	74.90	-76.47	81.27	-78.51	79.38	75.98	66.41
C256b	59.11	75.86	-78.69	82.96	-79.55	79.45	77.15	67.26
CPM200j	56.52	83.44	-81.04	86.25	-86.27	81.68	81.05	67.87
SHEAR CAPACITIES (Vu=0.58*Fy*Aw*Cv)(Cv=1.0)	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2
RATING FACTORS								
HS-20 (inv.)	3.86	3.06	2.95	3.02	2.94	3.06	2.88	3.87
HS-20 (oper.)	6.44	5.11	4.92	5.04	4.91	5.10	4.82	6.46
P411	5.76	4.06	3.79	3.77	3.82	3.80	4.11	4.83
P413	5.13	3.81	3.49	3.34	3.50	3.63	3.83	4.39
STD A	7.00	4.97	4.93	4.74	4.79	5.22	5.13	5.74
STD B	5.36	4.22	4.14	3.94	4.00	4.37	4.30	4.72
STD C	5.34	3.69	3.67	3.52	3.57	3.95	3.87	4.42
C152b	5.39	3.83	3.80	3.64	3.68	4.05	3.95	4.49
C174b	5.61	3.66	3.62	3.45	3.49	4.03	3.83	4.54
C198	5.44	3.89	3.79	3.70	3.70	3.79	4.05	4.72
C214b	4.92	3.85	3.58	3.51	3.60	3.59	3.83	4.41
C237b	5.06	3.76	3.58	3.38	3.55	3.56	3.78	4.46
C256b	5.15	3.71	3.48	3.31	3.50	3.56	3.72	4.40
CPM200j	5.39	3.37	3.38	3.18	3.23	3.46	3.54	4.36
Inventory Rating	77.2	61.3	59.0	60.4	58.8	61.1	57.7	77.4
Operating Rating	128.9	102.3	98.5	100.8	98.2	102.1	96.3	129.2

DIAPHRAGM MOMENT RATING SUMMARY TABLE FOR BRIDGE NO. 69801D

COMPLETED BY: CJM			DATE: 2/23/10			CHECKED BY: RAM			DATE: 3/17/10		
Span 1						Span 4					
TRUCK	BRACING NUMBER*	CAPACITY (k-ft)	DEAD LOAD (k-ft)	LIVE LOAD + IMP (k-ft)	RATING FACTOR	TRUCK	BRACING NUMBER*	CAPACITY (k-ft)	DEAD LOAD (k-ft)	LIVE LOAD + IMP (k-ft)	RATING FACTOR
HS-20 (inv.)	37A	126.0	1.07	34.44	1.67	HS-20 (inv.)	49B	126.0	2.73	44.32	1.27
HS-20 (op.)	37A	126.0	1.07	34.44	2.78	HS-20 (op.)	49B	126.0	2.73	44.32	2.13
STD A	37A	126.0	1.07	21.77	4.40	STD A	49B	126.0	2.73	28.37	3.32
STD B	37A	126.0	1.07	30.62	3.13	STD B	49B	126.0	2.73	39.35	2.39
STD C	37A	126.0	1.07	27.85	3.44	STD C	49B	126.0	2.73	35.73	2.64
P411	37A	126.0	1.07	29.22	3.28	P411	49B	126.0	2.73	37.58	2.51
P413	37A	126.0	1.07	30.14	3.18	P413	49B	126.0	2.73	38.81	2.43
C152b	37A	126.0	1.07	31.90	3.00	C152b	49B	126.0	2.73	40.95	2.30
C174b	37A	126.0	1.07	29.37	3.26	C174b	49B	126.0	2.73	37.79	2.49
C198_23	37A	126.0	1.07	32.82	2.92	C198_23	49B	126.0	2.73	42.39	2.22
C214b	37A	126.0	1.07	29.37	3.26	C214b	49B	126.0	2.73	37.79	2.49
C237b	37B	126.0	1.05	27.44	3.49	C237b	49B	126.0	2.73	35.28	2.67
C256b	37B	126.0	1.05	30.00	3.20	C256b	49B	126.0	2.73	38.43	2.45
C200j	38A	126.0	0.75	26.21	3.67	C200j	49B	126.0	2.73	34.74	2.71
Span 2						Span 5					
TRUCK	BRACING NUMBER*	CAPACITY (k-ft)	DEAD LOAD (k-ft)	LIVE LOAD + IMP (k-ft)	RATING FACTOR	TRUCK	BRACING NUMBER*	CAPACITY (k-ft)	DEAD LOAD (k-ft)	LIVE LOAD + IMP (k-ft)	RATING FACTOR
HS-20 (inv.)	41B	126.0	1.66	54.09	1.06	HS-20 (inv.)	51A	330.0	-0.40	-71.32	2.13
HS-20 (op.)	41B	126.0	1.66	54.09	1.76	HS-20 (op.)	51A	330.0	-0.40	-71.32	3.55
STD A	41B	126.0	1.66	32.82	2.90	STD A	51A	330.0	-0.40	-45.73	5.54
STD B	41B	126.0	1.66	45.92	2.07	STD B	51A	330.0	-0.40	-63.52	3.99
STD C	41B	126.0	1.66	41.76	2.28	STD C	51A	330.0	-0.40	-57.71	4.39
P411	41B	126.0	1.66	43.82	2.17	P411	51A	330.0	-0.40	-60.65	4.18
P413	41B	126.0	1.66	45.19	2.11	P413	51A	330.0	-0.40	-62.62	4.05
C152b	41B	126.0	1.66	47.90	1.99	C152b	51A	330.0	-0.40	-66.19	3.83
C174b	41B	126.0	1.66	44.10	2.16	C174b	51A	330.0	-0.40	-61.05	4.15
C198_23	41B	126.0	1.66	49.24	1.93	C198_23	51A	330.0	-0.40	-68.41	3.70
C214b	41B	126.0	1.66	44.10	2.16	C214b	51A	330.0	-0.40	-61.05	4.15
C237b	41B	126.0	1.66	41.17	2.31	C237b	51A	330.0	-0.40	-57.00	4.45
C256b	41B	126.0	1.66	45.26	2.10	C256b	51A	330.0	-0.40	-61.50	4.12
C200j	41B	126.0	1.66	43.48	2.19	C200j	51A	330.0	-0.40	-54.70	4.63
Span 3						Capacity = Fy*Sx (Sx = 42 in ³ for C15X33.9, Sx=110in ³ for W21X55) Capacity = 36 ksi * 42 in ³ = 126 kip-ft Capacity = 36 ksi * 110 in ³ = 330 kip-ft					
TRUCK	BRACING NUMBER*	CAPACITY (k-ft)	DEAD LOAD (k-ft)	LIVE LOAD + IMP (k-ft)	RATING FACTOR						
HS-20 (inv.)	45B	126.0	3.36	55.20	1.02						
HS-20 (op.)	45B	126.0	3.36	55.20	1.69						
STD A	45B	126.0	3.36	33.61	2.78						
STD B	45B	126.0	3.36	46.95	1.99						
STD C	45B	126.0	3.36	42.69	2.19						
P411	45B	126.0	3.36	44.81	2.09						
P413	45B	126.0	3.36	46.22	2.02						
C152b	45B	126.0	3.36	48.96	1.91						
C174b	45B	126.0	3.36	45.10	2.07						
C198_23	45B	126.0	3.36	50.40	1.86						
C214b	45B	126.0	3.36	45.10	2.07						
C237b	45B	126.0	3.36	42.10	2.22						
C256b	45B	126.0	3.36	46.18	2.03						
C200j	45B	126.0	3.36	44.68	2.09						

*See framing plan for bracing number location

DIAPHRAGM SHEAR RATING SUMMARY TABLE FOR BRIDGE NO. 69801D

COMPLETED BY: CJM DATE: 2/23/10 CHECKED BY: RAM DATE: 3/17/10

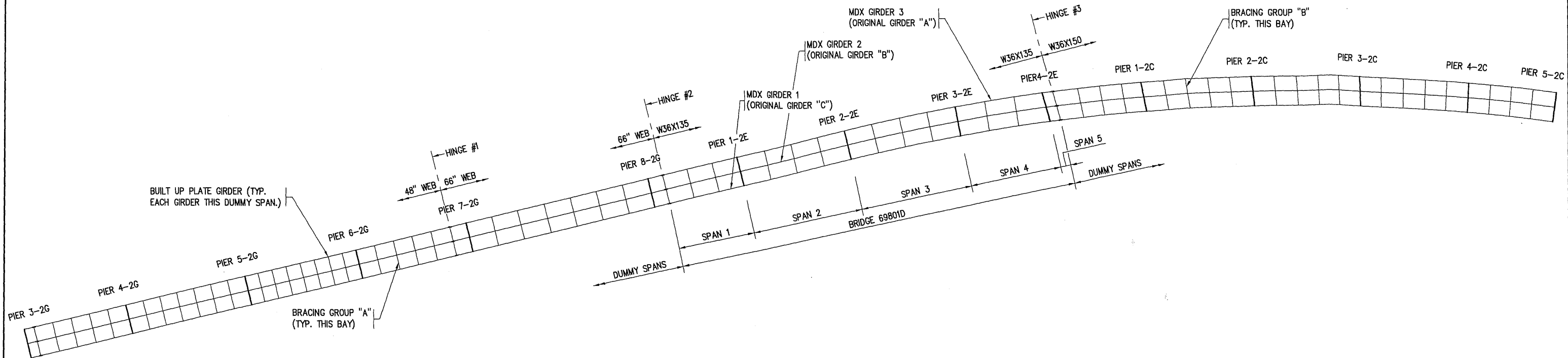
Span 1						Span 4					
TRUCK	BRACING NUMBER*	CAPACITY (k-ft)	DEAD LOAD (k-ft)	LIVE LOAD + IMP (k-ft)	RATING FACTOR	TRUCK	BRACING NUMBER*	CAPACITY (k-ft)	DEAD LOAD (k-ft)	LIVE LOAD + IMP (k-ft)	RATING FACTOR
HS-20 (inv.)	37B	114.42	-0.09	-4.78	11.02	HS-20 (inv.)	49A	114.42	-0.40	-6.70	7.83
HS-20 (op.)	37B	114.42	-0.09	-4.78	18.39	HS-20 (op.)	49A	114.42	-0.40	-6.70	13.08
STD A	37A	114.42	0.13	3.06	28.72	STD A	49A	114.42	-0.40	-4.35	20.14
STD B	37A	114.42	0.13	4.29	20.49	STD B	49A	114.42	-0.40	-6.05	14.48
STD C	37A	114.42	0.13	3.90	22.53	STD C	49A	114.42	-0.40	-5.50	15.93
P411	37B	114.42	-0.09	-4.10	21.45	P411	49A	114.42	-0.40	-5.78	15.16
P413	37A	114.42	0.13	4.23	20.78	P413	49A	114.42	-0.40	-5.96	14.70
C152b	37B	114.42	-0.09	-4.47	19.67	C152b	49A	114.42	-0.40	-6.30	13.91
C174b	37B	114.42	-0.09	-4.12	21.34	C174b	49A	114.42	-0.40	-5.81	15.08
C198_23	37B	114.42	-0.09	-4.61	19.07	C198_23	49A	114.42	-0.40	-6.51	13.46
C214b	37B	114.42	-0.09	-4.12	21.34	C214b	49A	114.42	-0.40	-5.81	15.08
C237b	37A	114.42	0.13	3.84	22.89	C237b	49A	114.42	-0.40	-5.42	16.17
C256b	37A	114.42	0.13	4.20	20.93	C256b	49A	114.42	-0.40	-5.90	14.85
C200j	37A	114.42	0.13	3.54	24.83	C200j	49A	114.42	-0.40	-5.27	16.63

Span 2						Span 5					
TRUCK	BRACING NUMBER*	CAPACITY (k-ft)	DEAD LOAD (k-ft)	LIVE LOAD + IMP (k-ft)	RATING FACTOR	TRUCK	BRACING NUMBER*	CAPACITY (k-ft)	DEAD LOAD (k-ft)	LIVE LOAD + IMP (k-ft)	RATING FACTOR
HS-20 (inv.)	41B	114.42	-0.18	-7.70	6.83	HS-20 (inv.)	51B	154.72	0.02	8.67	8.22
HS-20 (op.)	41B	114.42	-0.18	-7.70	11.41	HS-20 (op.)	51B	154.72	0.02	8.67	13.72
STD A	41B	114.42	-0.18	-4.69	18.73	STD A	51B	154.72	0.02	-5.46	21.80
STD B	41B	114.42	-0.18	-6.55	13.41	STD B	51B	154.72	0.02	-7.57	15.72
STD C	41B	114.42	-0.18	-5.96	14.74	STD C	51B	154.72	0.02	-6.87	17.33
P411	41B	114.42	-0.18	-6.25	14.05	P411	51B	154.72	0.02	-7.23	16.46
P413	41B	114.42	-0.18	-6.45	13.62	P413	51B	154.72	0.02	-7.47	15.94
C152b	41B	114.42	-0.18	-6.83	12.86	C152b	51B	154.72	0.02	-7.88	15.11
C174b	41B	114.42	-0.18	-6.29	13.96	C174b	51B	154.72	0.02	-7.27	16.37
C198_23	41B	114.42	-0.18	-7.03	12.49	C198_23	51B	154.72	0.02	-8.16	14.59
C214b	41B	114.42	-0.18	-6.29	13.96	C214b	51B	154.72	0.02	-7.27	16.37
C237b	41B	114.42	-0.18	-5.87	14.96	C237b	51B	154.72	0.02	-6.79	17.53
C256b	41B	114.42	-0.18	-6.45	13.62	C256b	51B	154.72	0.02	-7.20	16.53
C200j	41B	114.42	-0.18	-6.14	14.31	C200j	51A	154.72	-0.07	-6.36	18.70

Span 3						Capacity = $0.58 \cdot A_w \cdot F_y \cdot C$					
TRUCK	BRACING NUMBER*	CAPACITY (k-ft)	DEAD LOAD (k-ft)	LIVE LOAD + IMP (k-ft)	RATING FACTOR	C=1.0					
HS-20 (inv.)	45A	114.42	-0.57	-8.04	6.52	$A_w (C15 \times 33.9) = (15'' - 2 \cdot 0.65'') \cdot (0.40'') = 5.48 \text{ in}^2$					
HS-20 (op.)	45A	114.42	-0.57	-8.04	10.88	$A_w (W21 \times 55) = (20.8'' - 2 \cdot 0.522'') \cdot (0.375'') = 7.41 \text{ in}^2$					
STD A	45A	114.42	-0.57	-4.91	17.81	Capacity = $0.58 \cdot 5.48 \text{ in}^2 \cdot 36 \text{ ksi} \cdot 1.0 = 114.42 \text{ K}$					
STD B	45A	114.42	-0.57	-6.86	12.75	Capacity = $0.58 \cdot 7.41 \text{ in}^2 \cdot 36 \text{ ksi} \cdot 1.0 = 154.72 \text{ K}$					
STD C	45A	114.42	-0.57	-6.24	14.01						
P411	45A	114.42	-0.57	-6.55	13.35						
P413	45A	114.42	-0.57	-6.76	12.94						
C152b	45A	114.42	-0.57	-7.15	12.23						
C174b	45A	114.42	-0.57	-6.59	13.27						
C198_23	45A	114.42	-0.57	-7.36	11.88						
C214b	45A	114.42	-0.57	-6.59	13.27						
C237b	45A	114.42	-0.57	-6.15	14.22						
C256b	45A	114.42	-0.57	-6.74	12.97						
C200j	45A	114.42	-0.57	-6.48	13.49						

*See framing plan for bracing number location

Gilder Definition



BRIDGE 69801D FRAMING PLAN

SCALE: 0 30'

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
NAME: _____ LIC. NO. _____ DATE: _____

TITLE: FRAMING PLAN

State Aid Proj. No. ____			Bridge No. 69801D
DES: CJM	DR: CJM	APPROVED:	
CHK: _____	CHK: _____	Sheet No. ____ of ____ Sheets	

Girder 1 - Web				Girder 2 - Web				Girder 3 - Web			
Section	t _w	h _w	Length of Sect	Section	t _w	h _w	Length of Sect	Section	t _w	h _w	Length of Sect
	(inches)	(inches)	(feet)		(inches)	(inches)	(feet)		(inches)	(inches)	(feet)
1	0.3750	48.00	267.57	1	0.3750	48.00	267.57	1	0.3750	48.00	267.57
2	0.4375	66.00	134.2283	2	0.4375	66.00	134.2285	2	0.4375	66.00	134.2287
3 *	0.6000	34.02	245.1976	3 *	0.6000	34.02	245.0105	3 *	0.6000	34.02	244.8235
4 *	0.6250	34.02	304.0521	4 *	0.6250	34.02	307.4641	4 *	0.6250	34.02	310.8759

Girder 1 - Top Flange				Girder 2 - Top Flange				Girder 3 - Top Flange			
Section	t _f	b _f	Length of Sect	Section	t _f	b _f	Length of Sect	Section	t _f	b _f	Length of Sect
	(inches)	(inches)	(feet)		(inches)	(inches)	(feet)		(inches)	(inches)	(feet)
1	0.750	14	42.5800	1	0.750	14	42.5800	1	0.750	14	42.5800
2	1.000	14	11.0000	2	1.000	14	11.0000	2	1.000	14	11.0000
3	1.500	14	20.0000	3	1.500	14	20.0000	3	1.500	14	20.0000
4	1.000	14	11.0000	4	1.000	14	11.0000	4	1.000	14	11.0000
5	0.750	14	32.8300	5	0.750	14	32.8300	5	0.750	14	32.8300
6	1.000	14	11.0000	6	1.000	14	11.0000	6	1.000	14	11.0000
7	1.500	14	18.0240	7	1.500	14	18.0240	7	1.500	14	18.0240
8	1.000	14	41.8300	8	1.000	14	41.8300	8	1.000	14	41.8300
9	1.250	14	11.0000	9	1.250	14	11.0000	9	1.250	14	11.0000
10	1.625	14	18.0000	10	1.625	14	18.0000	10	1.625	14	18.0000
11	1.000	14	11.0000	11	1.000	14	11.0000	11	1.000	14	11.0000
12	0.875	14	39.3300	12	0.875	14	39.3300	12	0.875	14	39.3300
13 **	1.125	18	44.6540	13 **	1.125	18	44.6540	13 **	1.125	18	44.6540
14 **	1.250	18	46.1665	14 **	1.250	18	46.1665	14 **	1.250	18	46.1665
15 **	1.125	18	43.7298	15 **	1.125	18	43.7298	15 **	1.125	18	43.7298
16 *	0.790	12	245.1976	16 *	0.790	12	245.0105	16 *	0.790	12	244.8235
17 *	0.940	12	304.0521	17 *	0.940	12	307.4641	17 *	0.940	12	310.8759

Girder 1 - Bottom Flange				Girder 2 - Bottom Flange				Girder 3 - Bottom Flange			
Section	t _f	b _f	Length of Sect	Section	t _f	b _f	Length of Sect	Section	t _f	b _f	Length of Sect
	(inches)	(inches)	(feet)		(inches)	(inches)	(feet)		(inches)	(inches)	(feet)
1	0.875	14	53.5800	1	0.875	14	53.5800	1	0.875	14	53.5800
2	1.500	14	20.0000	2	1.500	14	20.0000	2	1.500	14	20.0000
3	1.000	14	54.8300	3	1.000	14	54.8300	3	1.000	14	54.8300
4	1.500	14	18.0000	4	1.500	14	18.0000	4	1.500	14	18.0000
5	1.000	14	11.0000	5	1.000	14	11.0000	5	1.000	14	11.0000
6	1.500	14	41.8300	6	1.500	14	41.8300	6	1.500	14	41.8300
7	1.625	14	18.0000	7	1.625	14	18.0000	7	1.625	14	18.0000
8	1.000	14	11.0000	8	1.000	14	11.0000	8	1.000	14	11.0000
9	0.875	14	39.3300	9	0.875	14	39.3300	9	0.875	14	39.3300
10 **	1.250	18	27.4044	10 **	1.250	18	27.4044	10 **	1.250	18	27.4044
11 **	1.750	18	17.2500	11 **	1.750	18	17.2500	11 **	1.750	18	17.2500
12 **	2.000	18	46.1667	12 **	2.000	18	46.1667	12 **	2.000	18	46.1667
13 **	1.750	18	17.2500	13 **	1.750	18	17.2500	13 **	1.750	18	17.2500
14 **	1.250	18	26.4796	14 **	1.250	18	26.4796	14 **	1.250	18	26.4796
15 *	0.790	12	245.1976	15 *	0.790	12	245.0105	15 *	0.790	12	244.8235
16 *	0.940	12	304.0521	16 *	0.940	12	307.4641	16 *	0.940	12	310.8759

Bearing Stiffener - Girder 1		
Support	w ***	t
No.	(inches)	(inches)
1	7	0.5
2	7	0.625
3	7	0.75
4	7	0.75
5	7	0.75
6	7	0.75
7	7	0.5
8	7	0.625
9	7	0.625
10	7	0.5
11	7	0.625
12	7	0.625
13	7	0.625
14	7	0.625
15	7	0.5

Bearing Stiffener - Girder 2		
Support	w ***	t
No.	(inches)	(inches)
1	7	0.5
2	7	0.625
3	7	0.75
4	7	0.75
5	7	0.75
6	7	0.75
7	7	0.5
8	7	0.625
9	7	0.5
10	7	0.5
11	7	0.625
12	7	0.625
13	7	0.625
14	7	0.625
15	7	0.5

Bearing Stiffener - Girder 3		
Support	w ***	t
No.	(inches)	(inches)
1	7	0.5
2	7	0.625
3	7	0.75
4	7	0.75
5	7	0.75
6	7	0.75
7	7	0.5
8	7	0.625
9	7	0.625
10	7	0.5
11	7	0.625
12	7	0.625
13	7	0.625
14	7	0.625
15	7	0.5

* Rolled shapes are broken into plate girders. Dimensions are taken from AISC Steel Construction Manual - 13th Ed

** Plate thickness will not match plan. Thickness increased so dummy spans would not control rating

***No dimensions given for bearing stiffener width. Width assumed to be the same as intermediate stiffeners

Project: Special Structures Rating
Bridge: 68901D
By: CJM
Date: 7/10/09
Sheet: 2 of 6

Checked By: CDK
Date: 11/05/09

Cover Plates - Girder 1						
Plate No.	Dist. From Prev to Start (feet)	Length of Plate (feet)	Top Flange Width (inches)	Top Flange Thickness (inches)	Bot. Flange Width (inches)	Bot. Flange Thickness (inches)
1	443.46	10	11	0.5	11	0.5
2	56.581	12	11	0.75	11	0.75
3	58.387	10	11	0.5	11	0.5
4	103.779	13	11	0.5	11	0.5
5	52.476	16	11	0.5625	11	0.5625
6	50.903	14	11	0.625	11	0.625
7	52.486	12.5	11	0.5	11	0.5

Dummy Spans - Model Only
Dummy Spans - Model Only
Dummy Spans - Model Only
Dummy Spans - Model Only

Cover Plates - Girder 2						
Plate No.	Dist. From Prev to Start (feet)	Length of Plate (feet)	Top Flange Width (inches)	Top Flange Thickness (inches)	Bot. Flange Width (inches)	Bot. Flange Thickness (inches)
1	443.46	10	11	0.5	11	0.5
2	56.581	14	11	0.625	11	0.625
3	56.893	10	11	0.5	11	0.5
4	103.736	13	11	0.5	11	0.5
5	53.203	16	11	0.5625	11	0.5625
6	51.629	14	11	0.625	11	0.625
7	53.212	12.5	11	0.5	11	0.5

Dummy Spans - Model Only
Dummy Spans - Model Only
Dummy Spans - Model Only
Dummy Spans - Model Only

Cover Plates - Girder 3						
Plate No.	Dist. From Prev to Start (feet)	Length of Plate (feet)	Top Flange Width (inches)	Top Flange Thickness (inches)	Bot. Flange Width (inches)	Bot. Flange Thickness (inches)
1	443.46	10	11	0.5	11	0.5
2	56.581	12	11	0.75	11	0.75
3	59.392	10	11	0.5	11	0.5
4	103.699	13	11	0.5	11	0.5
5	53.93	16	11	0.5625	11	0.5625
6	52.356	14	11	0.625	11	0.625
7	53.938	12.5	11	0.5	11	0.5

Dummy Spans - Model Only
Dummy Spans - Model Only
Dummy Spans - Model Only
Dummy Spans - Model Only

Web Stiffeners - Girder 1 *											
Stiffener No.	Dist. From Prev to Start	Dist. From Prev to Start	Stiffener No.	Dist. From Prev to Start	Dist. From Prev to Start	Stiffener No.	Dist. From Prev to Start	Dist. From Prev to Start	Stiffener No.	Dist. From Prev to Start	Dist. From Prev to Start
	(feet)	(inches)		(feet)	(inches)		(feet)	(inches)		(feet)	(inches)
1	6.00	72.00	45	3.00	36.00	89	5.50	66.00	133	25.94	311.27
2	4.00	48.00	46	2.75	33.00	90	5.50	66.00	134	13.09	157.12
3	4.00	48.00	47	3.00	36.00	91	5.44	65.32	135	13.09	157.13
4	3.58	42.96	48	3.00	36.00	92	5.50	66.00	136	13.09	157.12
5	3.75	45.00	49	2.75	33.00	93	5.50	66.00	137	PIER 4-2C	
6	3.75	45.00	50	3.00	36.00	94	5.44	65.32	138	26.50	318.02
7	4.00	48.00	51	3.00	36.00	95	5.50	66.00	139	13.07	156.88
8	3.75	45.00	52	2.75	33.00	96	5.50	66.00	140	13.07	156.88
9	3.75	45.00	53	3.00	36.00	97	5.44	65.30			
10	4.00	48.00	54	3.00	36.00	98	5.50	66.00			
11	3.75	45.00	55	2.75	33.00	99	5.50	66.00			
12	3.75	45.00	56	3.00	36.00	100	PIER 8-2G				
13	4.00	48.00	57	3.00	36.00	101	8.45	101.42			
14	3.75	45.00	58	2.75	33.00	102	3.00	36.00			
15	3.75	45.00	59	3.00	36.00	103	3.50	41.97			
16	PIER 4-2G		60	3.00	36.00	104	15.45	185.38			
17	7.50	90.00	61	PIER 6-2G		105	15.45	185.38			
18	3.50	42.00	62	6.75	81.00	106	PIER 1-2E				
19	3.87	46.44	63	4.00	48.00	107	32.59	391.07			
20	3.50	42.00	64	3.83	45.96	108	17.15	205.75			
21	3.50	42.00	65	4.00	48.00	109	17.15	205.75			
22	3.66	43.92	66	4.00	48.00	110	PIER 2-2E				
23	3.50	42.00	67	4.00	48.00	111	34.24	410.87			
24	3.50	42.00	68	4.00	48.00	112	17.09	205.13			
25	3.66	43.92	69	4.00	48.00	113	17.09	205.12			
26	3.50	42.00	70	4.00	48.00	114	PIER 3-2E				
27	3.50	42.00	71	4.00	48.00	115	35.34	424.13			
28	3.66	43.92	72	4.00	48.00	116	18.24	218.88			
29	3.50	42.00	73	4.00	48.00	117	PIER 4-2E				
30	3.50	42.00	74	4.00	48.00	118	25.41	304.94			
31	3.66	43.92	75	4.00	48.00	119	14.22	170.58			
32	3.50	42.00	76	4.00	48.00	120	13.43	161.14			
33	3.50	42.00	77	3.50	42.00	121	13.41	160.95			
34	3.66	43.92	78	3.50	42.00	122	PIER 1-2C				
35	3.50	42.00	79	PIER 7-2G		123	26.18	314.17			
36	3.50	42.00	80	8.42	100.99	124	13.30	159.64			
37	PIER 5-2G		81	5.00	60.00	125	13.29	159.47			
38	6.16	73.92	82	5.97	71.61	126	13.27	159.29			
39	2.50	30.00	83	5.50	66.00	127	PIER 2-2C				
40	3.08	36.96	84	5.50	66.00	128	26.51	318.08			
41	3.00	36.00	85	5.45	65.37	129	13.15	157.75			
42	3.00	36.00	86	5.50	66.00	130	13.18	158.12			
43	2.75	33.00	87	5.50	66.00	131	13.18	158.13			
44	3.00	36.00	88	5.44	65.32	132	PIER 3-2C				

* Web stiffeners will entered into MDX as 7" x 1/2" since MDX does not allow different input between diaphragm and intermediate stiffeners

Web Stiffeners - Girder 2 *								
Stiffener No.	Dist. From Prev to Start	Dist. From Prev to Start	Stiffener No.	Dist. From Prev to Start	Dist. From Prev to Start	Stiffener No.	Dist. From Prev to Start	Dist. From Prev to Start
	(feet)	(inches)		(feet)	(inches)		(feet)	(inches)
1	6.00	72.00	51	3.00	36.00	101	8.45	101.42
2	4.00	48.00	52	2.75	33.00	102	3.00	36.00
3	4.00	48.00	53	3.00	36.00	103	3.50	41.97
4	3.58	42.96	54	3.00	36.00	104	15.45	185.38
5	3.75	45.00	55	2.75	33.00	105	15.45	185.38
6	3.75	45.00	56	3.00	36.00	106	PIER 1-2E	
7	4.00	48.00	57	3.00	36.00	107	32.59	391.07
8	3.75	45.00	58	2.75	33.00	108	17.15	205.75
9	3.75	45.00	59	3.00	36.00	109	17.15	205.75
10	4.00	48.00	60	3.00	36.00	110	PIER 2-2E	
11	3.75	45.00	61	PIER 6-2G		111	34.37	412.43
12	3.75	45.00	62	6.75	81.00	112	17.22	206.69
13	4.00	48.00	63	4.00	48.00	113	17.22	206.69
14	3.75	45.00	64	3.83	45.96	114	PIER 3-2E	
15	3.75	45.00	65	4.00	48.00	115	35.60	427.25
16	PIER 4-2G		66	4.00	48.00	116	18.39	220.62
17	7.50	90.00	67	4.00	48.00	117	PIER 4-2E	
18	3.50	42.00	68	4.00	48.00	118	24.43	293.13
19	3.87	46.44	69	4.00	48.00	119	14.70	176.38
20	3.50	42.00	70	4.00	48.00	120	13.58	162.94
21	3.50	42.00	71	4.00	48.00	121	13.57	162.85
22	3.66	43.92	72	4.00	48.00	122	PIER 1-2C	
23	3.50	42.00	73	4.00	48.00	123	26.19	314.23
24	3.50	42.00	74	4.00	48.00	124	13.44	161.26
25	3.66	43.92	75	4.00	48.00	125	13.43	161.17
26	3.50	42.00	76	4.00	48.00	126	13.42	161.08
27	3.50	42.00	77	3.50	42.00	127	PIER 2-2C	
28	3.66	43.92	78	3.50	42.00	128	26.78	321.42
29	3.50	42.00	79	PIER 7-2G		129	13.32	159.81
30	3.50	42.00	80	8.42	100.99	130	13.32	159.81
31	3.66	43.92	81	5.00	60.00	131	13.32	159.81
32	3.50	42.00	82	5.97	71.61	132	PIER 3-2C	
33	3.50	42.00	83	5.50	66.00	133	26.40	316.80
34	3.66	43.92	84	5.50	66.00	134	13.24	158.87
35	3.50	42.00	85	5.40	64.80	135	13.24	158.88
36	3.50	42.00	86	5.50	66.00	136	13.24	158.87
37	PIER 5-2G		87	5.50	66.00	137	PIER 4-2C	
38	6.16	73.92	88	5.44	65.32	138	26.63	319.55
39	2.50	30.00	89	5.50	66.00	139	13.22	158.63
40	3.08	36.96	90	5.50	66.00	140	13.22	158.63
41	3.00	36.00	91	5.44	65.32			
42	3.00	36.00	92	5.50	66.00			
43	2.75	33.00	93	5.50	66.00			
44	3.00	36.00	94	5.44	65.32			
45	3.00	36.00	95	5.50	66.00			
46	2.75	33.00	96	5.50	66.00			
47	3.00	36.00	97	5.51	66.12			
48	3.00	36.00	98	5.50	66.00			
49	2.75	33.00	99	5.50	66.00			
50	3.00	36.00	100	PIER 8-2G				

* Web stiffeners will entered into MDX as 7" x 1/2" since MDX does not allow different input between diaphragm and intermediate stiffeners

Web Stiffeners - Girder 3 *								
Stiffener No.	Dist. From Prev to Start	Dist. From Prev to Start	Stiffener No.	Dist. From Prev to Start	Dist. From Prev to Start	Stiffener No.	Dist. From Prev to Start	Dist. From Prev to Start
	(feet)	(inches)		(feet)	(inches)		(feet)	(inches)
1	6.00	72.00	51	3.00	36.00	101	8.45	101.42
2	4.00	48.00	52	2.75	33.00	102	3.00	36.00
3	4.00	48.00	53	3.00	36.00	103	3.50	41.97
4	3.58	42.96	54	3.00	36.00	104	15.45	185.38
5	3.75	45.00	55	2.75	33.00	105	15.45	185.38
6	3.75	45.00	56	3.00	36.00	106	PIER 1-2E	
7	4.00	48.00	57	3.00	36.00	107	32.59	391.07
8	3.75	45.00	58	2.75	33.00	108	17.15	205.75
9	3.75	45.00	59	3.00	36.00	109	17.15	205.75
10	4.00	48.00	60	3.00	36.00	110	PIER 2-2E	
11	3.75	45.00	61	PIER 6-2G		111	34.39	412.68
12	3.75	45.00	62	6.75	81.00	112	17.35	208.19
13	4.00	48.00	63	4.00	48.00	113	17.45	209.43
14	3.75	45.00	64	3.83	45.96	114	PIER 3-2E	
15	3.75	45.00	65	4.00	48.00	115	35.88	430.51
16	PIER 4-2G		66	4.00	48.00	116	18.53	222.38
17	7.50	90.00	67	4.00	48.00	117	PIER 4-2E	
18	3.50	42.00	68	4.00	48.00	118	23.45	281.38
19	3.87	46.44	69	4.00	48.00	119	15.18	182.17
20	3.50	42.00	70	4.00	48.00	120	13.73	164.75
21	3.50	42.00	71	4.00	48.00	121	13.73	164.75
22	3.66	43.92	72	4.00	48.00	122	PIER 1-2C	
23	3.50	42.00	73	4.00	48.00	123	26.19	314.28
24	3.50	42.00	74	4.00	48.00	124	13.57	162.88
25	3.66	43.92	75	4.00	48.00	125	13.57	162.88
26	3.50	42.00	76	4.00	48.00	126	13.57	162.88
27	3.50	42.00	77	3.50	42.00	127	PIER 2-2C	
28	3.66	43.92	78	3.50	42.00	128	27.09	325.04
29	3.50	42.00	79	PIER 7-2G		129	13.46	161.49
30	3.50	42.00	80	8.42	100.99	130	13.46	161.50
31	3.66	43.92	81	5.00	60.00	131	13.46	161.50
32	3.50	42.00	82	5.97	71.61	132	PIER 3-2C	
33	3.50	42.00	83	5.50	66.00	133	26.86	322.33
34	3.66	43.92	84	5.50	66.00	134	13.39	160.62
35	3.50	42.00	85	5.20	62.40	135	13.39	160.62
36	3.50	42.00	86	5.50	66.00	136	13.39	160.62
37	PIER 5-2G		87	5.50	66.00	137	PIER 4-2C	
38	6.16	73.92	88	5.44	65.32	138	26.76	321.07
39	2.50	30.00	89	5.50	66.00	139	13.36	160.38
40	3.08	36.96	90	5.50	66.00	140	13.36	160.37
41	3.00	36.00	91	5.44	65.32			
42	3.00	36.00	92	5.50	66.00			
43	2.75	33.00	93	5.50	66.00			
44	3.00	36.00	94	5.44	65.32			
45	3.00	36.00	95	5.50	66.00			
46	2.75	33.00	96	5.50	66.00			
47	3.00	36.00	97	5.57	66.84			
48	3.00	36.00	98	5.50	66.00			
49	2.75	33.00	99	5.50	66.00			
50	3.00	36.00	100	PIER 8-2G				

Girder 1		Girder 2		Girder 3	
Section	Length (ft)	Section	Length (ft)	Section	Length (ft)
Composite Region 1	52.080	Composite Region 1	52.080	Composite Region 1	52.080
Non Composite Region 1	26.500	Non Composite Region 1	26.500	Non Composite Region 1	26.500
Composite Region 2	44.830	Composite Region 2	44.830	Composite Region 2	44.830
Non Composite Region 2	29.000	Non Composite Region 2	29.000	Non Composite Region 2	29.000
Composite Region 3	41.330	Composite Region 3	41.330	Composite Region 3	41.330
Non Composite Region 3	25.500	Non Composite Region 3	25.500	Non Composite Region 3	25.500
Composite Region 4	46.246	Composite Region 4	46.246	Composite Region 4	46.246
Non Composite Region 4	20.000	Non Composite Region 4	20.000	Non Composite Region 4	20.000
Composite Region 5	99.643	Composite Region 5	99.643	Composite Region 5	99.643
Non Composite Region 5	19.000	Non Composite Region 5	19.000	Non Composite Region 5	19.000
Composite Region 6	31.080	Composite Region 6	31.080	Composite Region 6	31.080
Non Composite Region 6	20.250	Non Composite Region 6	20.250	Non Composite Region 6	20.250
Composite Region 7	48.081	Composite Region 7	48.081	Composite Region 7	48.081
Non Composite Region 7	27.500	Non Composite Region 7	27.500	Non Composite Region 7	27.500
Composite Region 8	47.387	Composite Region 8	47.893	Composite Region 8	48.392
Non Composite Region 8	18.500	Non Composite Region 8	18.000	Non Composite Region 8	17.500
Composite Region 9	37.344	Composite Region 9	38.151	Composite Region 9	38.964
Non Composite Region 9	15.000	Non Composite Region 9	14.000	Non Composite Region 9	13.000
Composite Region 10	41.435	Composite Region 10	42.085	Composite Region 10	42.235
Non Composite Region 10	24.000	Non Composite Region 10	24.000	Non Composite Region 10	24.000
Composite Region 11	39.476	Composite Region 11	40.203	Composite Region 11	41.930
Non Composite Region 11	27.000	Non Composite Region 11	26.750	Non Composite Region 11	25.750
Composite Region 12	38.653	Composite Region 12	40.129	Composite Region 12	41.856
Non Composite Region 12	26.250	Non Composite Region 12	26.250	Non Composite Region 12	26.250
Composite Region 13	40.486	Composite Region 13	40.212	Composite Region 13	39.938
Non Composite Region 13	21.500	Non Composite Region 13	22.500	Non Composite Region 13	23.500

calculations



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PROJECT Special Structures Rating - Bridge 69801 D

PROJECT # 090147

DATE 9/9/09

BY CJM

SHEET NO. _____

OF _____

✓ 2015 11/5/09

Girder Web Depth

48" Deep Web $\Rightarrow L = 267.57'$

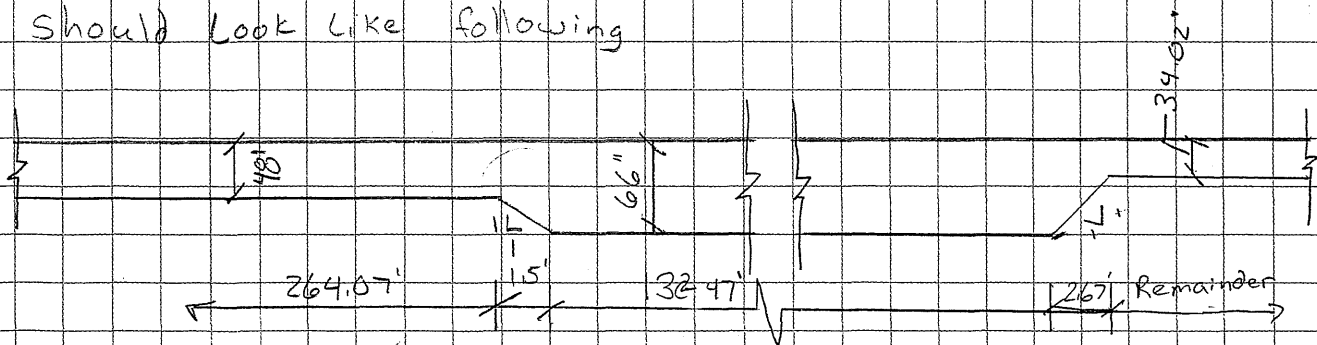
66" Deep Web $\Rightarrow L = 134.55'$

34.02" Deep web $\Rightarrow$ Remainder of length

Adjusted Girder Web Depths to allow for Depth Change

length (ft) (Web Sp)	Depth (in) (Web V)
264.07	48"
1.5	48"
132.47	66"
2.67	66"
[550.65 (G ₁)]	34.02"
553.89 (G ₂)	
557.12 (G ₃)	

Should look like following





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PROJECT Special Rating Project - Bridge 69801D

PROJECT # 090147 DATE 7/16/09 BY CJM SHEET NO. 1 OF 1
✓ GDN 11/5/09

Define Slab for MDX

Concrete properties:

$$f'_c = 4 \text{ ksi}$$

$$w_c = 150 \text{ pcf}$$

Slab overhang width = 3'-8" (3.66') from Sht 117 original set

Slab thickness = Uniform 8" Structural + w.c., integral wearing = 1/2" (see rehab)

Effective slab width: (minimum of following 3)

- 1) $1/4$ Span length of girder = $1/4 (54'-5 9/16") = 163.4 \text{ in}$
- 2) Distance Center to center of girders = $9'-0" = 108 \text{ in}$
- 3) 12 times slab thickness = $12 (7 1/2") = 90 \text{ in}$ *

Slab Haunches = 1" Per Mn/DOT LRFD Design manual 15.3

Steel Reinforcement: Assume AASHTO minimum Reinforcement



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PROJECT Special Structure Rating - Bridge 69801

PROJECT # 090147

DATE 7/16/09

BY CJM

SHEET NO. 2 OF 2

✓ CDK 11/5/09

Define Loading for MDX

Non composite Dead Load: Apply self weight

Additional Steel weight $\Rightarrow$ assume 3-4%

Typical Beam = W 36 x 135

3-4% $\Rightarrow$ 3% = $(.03)(135) = 4.05 \text{ pLF}$

4% = 5.4 pLF

Say 10 pLF

Tributary slab width: Girder 1 = $\frac{1}{2}(9'-0") + 3'-8" = 8'-2" = 98"$

Girder 2 = $9'-0" = 108"$

Girder 3 = Girder 1 = $98"$

Additional concrete weight = Girder 1 = $(\frac{1}{2}")(\frac{1}{2}(9'-0" + 1'-9"))(150 \text{ pcf}) = 39.06 \text{ lb/ft}$

(Ignore MDX incorporates Girder 2 = $(\frac{1}{2}")(9'-0")(150 \text{ pcf}) = 56.25 \text{ pLF}$

this in "SLABT" +

Girder 3 = Girder 1 = 39.06 pLF

"SLABWEAR" commands) (see sheet 3)

Composite Dead Load: Uniform per Girder

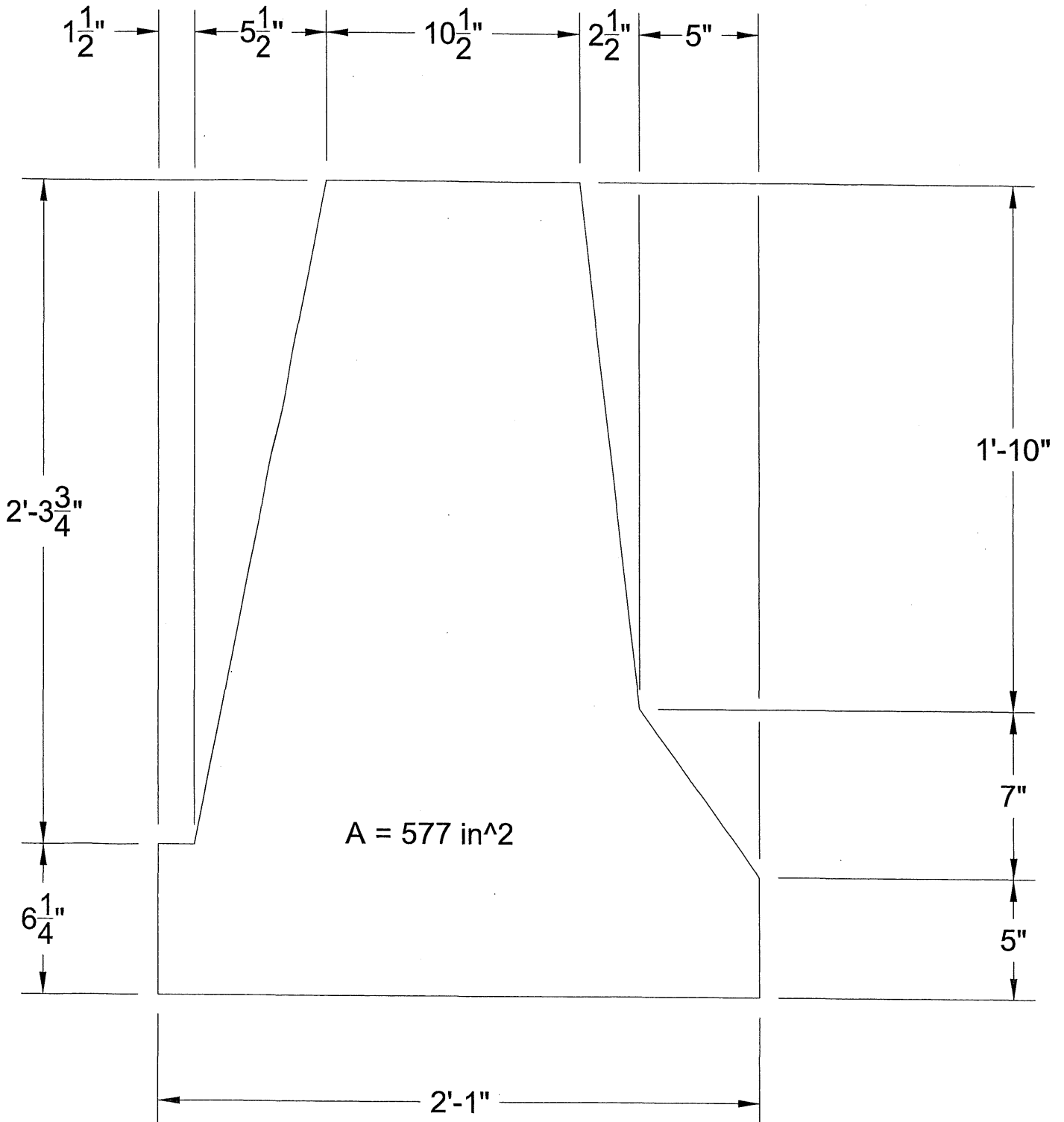
Rails = $2 \frac{(577 \text{ in}^2/\text{ft})(150 \text{ pcf})}{144 \text{ in}^2/\text{ft}^2} / 3 \text{ girders} = 400.7$

Utilities: Assume 3 pSF

= $3 \text{ pSF}(25'-4") / 3 \text{ Girders} = 25.3 \text{ pLF} / \text{Girder}$

Total composite per Girder = 426.0 pLF

RAILING BRIDGE 69801D





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PROJECT Special Structure Rating - Bridge 69801D

PROJECT # 090147 DATE 7/16 BY CJM SHEET NO. 3 OF 3
CDK 11/5/09

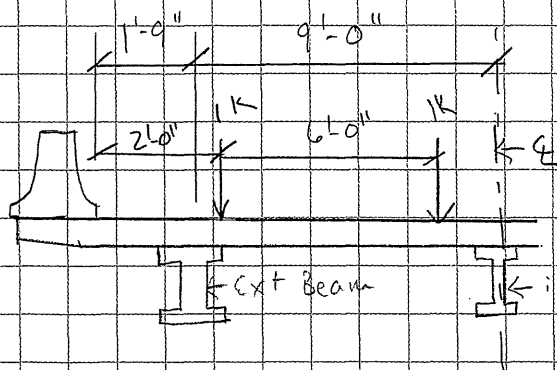
Define Live loads for MDX

Truck Loading: Standard Truck - HS20

Lane layout / Lateral Distribution: Specify wheel Distribution Factors

Interior Girder = $S/7$ (AASHTO Table 3.23.1) = $9'-0"/7 = 1.286$ (single lane)

Exterior: use lever Rule



$$D.F. = 1K(8'-9'')/9 + 1K(2'-9'')/9 = 1.278$$

Int. Girder - Two Lane

$$D.F. = S/S.5 = 9'-0"/5.5 = 1.636$$

Int. Girder 1 lane (React)

$$D.F. = 1 + 3/9 = 1.333$$

Side walk Loading: No Side walk

Non Composite Concrete weight - Exterior Haunches

$$\text{Width} = (3'-8'') - 6'' = 3'-2''$$

$$\text{Avg Depth} = 1/2 (1 1/4'' + 1 1/2'') = 7/8''$$

$$\text{Load on Girder 1+3} = (3'-2'') \cdot (7/8'') (150 \text{pcf}) = 34.6 \text{ PLF}$$

Non composite D.L.

Girder 1 : 34.6 PLF

Girder 2 : 0 PLF

Girder 3 : 34.6 PLF



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PROJECT # 090147 DATE 12/3/09 BY CJM SHEET NO. 4 OF 4
✓ 20K 3/3/10

Non-composite Dead Load - continue

- Design of haunch appears to be 3" from bottom of slab to bottom of Top flange
- Assume 1" for fillet in MDX to be used is section properties and an average of 1" top flange thickness, 1" Remaining to have additional Dead Load
- Assume 12" constant flange thickness (width in BR 698010)

Load Per Foot

$$= \frac{(1") (12") (150 \text{ pcf})}{144 \text{ in}^2/\text{ft}^2} = 12.5 \text{ PLF} \checkmark$$

Combined Non comp. D.L

$$\text{Girder 1} = 12.5 + 34.6 = 47.1 \text{ PLF} \checkmark$$

$$\text{Girder 2} = 12.5 + 0 = 12.5 \text{ PLF} \checkmark$$

$$\text{Girder 3} = 12.5 + 34.6 = 47.1 \text{ PLF} \checkmark$$



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PROJECT Special Structures Rating - Bridge 698011

PROJECT # 090147 DATE 12/7/09 BY CJM SHEET NO. _____ OF _____

✓ RAM 3/4/10

Centrifugal force adjustment

- To account for centrifugal Force in MD x, D.F. must be adjusted to account for force
- use USS Highway Structures Design Handbook 11/6

$$C = \frac{6.68 S^2}{R}$$

$$CF = \text{Lane} \cdot C - e$$

e = Super elevation

Super Elevation ✓

- Pier 1 = $(636.96' - 636.60') / 18' = 2\% \checkmark$
- Pier 2 = $(635.14' - 635.15') / 18' = 1.2\% \checkmark$
- Pier 3 = $(634.89' - 634.33') / 18' = 3.11\% \checkmark$
- Pier 4 = $(634.06' - 633.35') / 18' = 5.6\% \checkmark$

$$C \text{ Radius} = 1145.916' \checkmark$$

$$\text{Center Girder Radius} = 1143.916' \checkmark *$$

- Assume Average Super Elevation = 6% (Super Elevation outside of Bridge 698011)
- Assume Design speed = 55 mph

$$C = \frac{6.68 (55 \text{ mph})^2}{1143.916'} = 17.66\% \checkmark$$

$$CF = 17.66 - 6 = 11.6\% \text{ or } 0.116 \text{ lanes } \checkmark$$

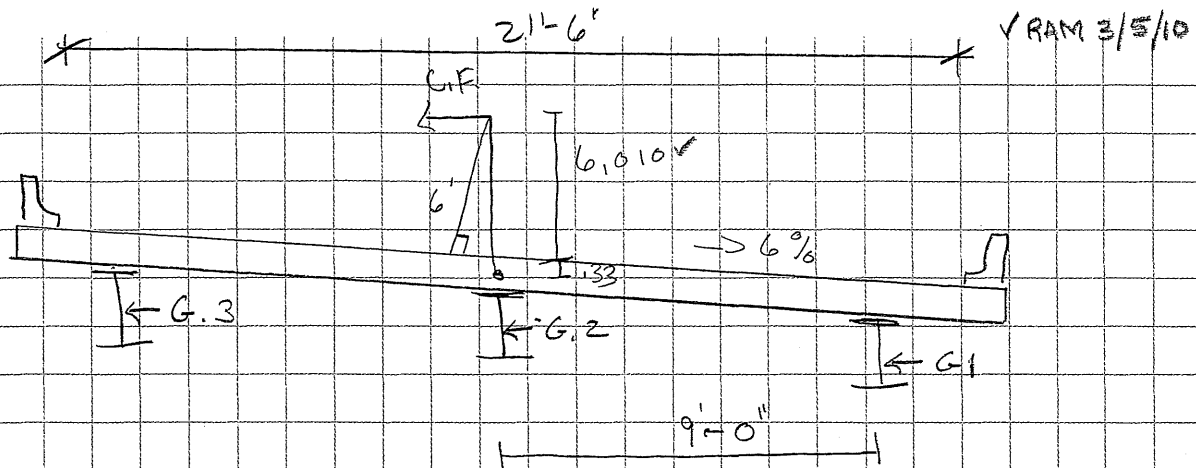


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PROJECT Special Structures Rating - BR69801D

PROJECT # 090147 DATE 12/7/09 BY CJM SHEET NO. _____ OF _____



Pile group Distribution

$$F \text{ pile group} = 2((9'-0'')^2) = 162 \text{ ft}^2 \checkmark$$

$$C.F. \text{ Girder } I = \frac{1116 (6.010 + .33)(1)(9')}{162 \text{ ft}^2} = 0.0408 \text{ lane} = .0204 \text{ wheels} \checkmark$$

C.F. acts as an uplift @ G.2, no adjustment

C.F. acts about G.2 - no adjustment

Will only act in areas of curvature

- Adjust Girder 3 @ Span point 3.1

$$\text{Girder 3} - D.F. = 1.278 + 0.0204 = 1.2984 \checkmark$$



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PROJECT # 090147 DATE 2/22/10 BY CJM SHEET NO. _____ OF _____

VRAM 3/5/10

Permit Truck Distribution Factors

- MDX Takes permit Loads by placing permit truck along a single girder at point of Greatest Effect. This method does not take into account Load from adjacent Girders. Since the influence surface covers the entire system, Distribution Factors must be adjusted to account for Load.
- Adjusted percentage was based on % contribution From adjacent girders by placing a truck at the same location longitudinally and using a Distribution Factor that represented the remaining load going to that Girder - See attached calculation sheets.
- Points were looked at along Exterior Girder + interior Girder at pier Locations + center spans. See below for adjusted percentage
- percentage change at 10th points between Pier + centerspan were interpolated based on values calculated in attached sheets.

Girder 1 + 3

Pier = 10% ✓
Center span = 15% ✓

Girder 2

Pier = 15% ✓
Center span = 22% ✓

- See attached sheet for adjusted Distribution Factor.

Christopher Miller

From: MDX Software Support [support@mdxsoftware.com]
Sent: Monday, February 22, 2010 8:28 AM
To: Christopher Miller
Cc: Jon Siiter; mdxsoftware@gmail.com
Subject: Re: (Case 55452) Permit Loads

Your mail has been scanned by InterScan VirusWall.

*****_*****

You are correct in the description of your first two paragraphs. There is no way to place a permit truck on only a few girders near the girder of concern if wheel distribution is used for loading. One reason is that some geometries that can be constructed in the general geometry model do not necessarily have neighboring girders numbered sequentially.

If you want to reflect the contribution of neighboring girders if only one girder actually is being loaded we suggest perhaps increasing the distribution of the permit truck to compensate. Since live loading is largely probabilistic it would seem this could be adequate. If you examine the influence surface for any particular effect you could use the relative size of neighboring coefficients as a guide for the amount of increase. Note that the far girders may not contribute that much to the girder of concern because of the drape of the influence surface.

The problem seems to be that it is difficult to relate distribution factors to actual lane loading. If you can do the latter it would seem to be a better model of the loading.

(Note: recommend calling us if you send a Gmail since we do not closely monitor that avenue. The closely monitored address is support@mdxsoftware.com. The Gmail address is available for those cases where attachments for some reason have a problem being sent to our primary address.)

rd

<http://www.mdxsoftware.com/faq.htm>
<http://www.mdxsoftware.com/fixlog.htm>
<http://www.mdxsoftware.com/new.htm>

Download info for your office can be
obtained at: Help\Update Information

MDX Software Support
support@mdxsoftware.com

-----Original Message-----

From: "Christopher Miller" <Christopher.Miller@lhbcorp.com>

Reply-To: "Christopher Miller" <Christopher.Miller@lhbcorp.com>

Date: Wed, 17 Feb 2010 13:57:17 -0600

To: "MDX Software Support" <support@mdxsoftware.com>

Cc: "Jon Siiter" <Jon.Siiter@lhbcorp.com>, "mdxsoftware@gmail.com" <mdxsoftware@gmail.com>

Subject: RE: (Case 55452) Permit Loads

>*****

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>*****_*****

>

>

>I'm still trying to figure out what exactly is going on with the permit trucks.

>

>

>To clarify, for HS20, it places the wheels along ALL the girders in the place of greatest effect. It then applies the distribution factor and impact to those loads based on the influence surface. So it takes into account the loads from the adjacent girders when finding the loads for the girder and location of concern.

>

>

>When permit truck loads are calculated, it places the truck along ONLY the girder of concern and applies the distribution factor and impact. It does not take into account the influence from adjacent girders for the girder of concern even though those girders will see a load and have influence on the girder of concern.

>

>Is there a way when running the permit trucks to get influence from the adjacent girders without enacting the condition PERMIT TRUCK IN ALL LANES? When enacting this condition, it seems to be over conservative, where the default seems to be missing some of the load. If we were to use the default when obtaining permit loads, would we have to adjust the distribution factor as stated in FAQ #20, paragraph 4 to account for additional load from adjacent girders? It seems that when running permit trucks on default, MDX is finding the loads along the line of that of HS20 when enacting the condition LOCAL WHEEL DISTRIBUTION ONLY, and the default for HS20 finds loads along the lines of the permit trucks when enacting the condition PERMIT TRUCKS IN ALL LANES.

>

>Thanks,

>

>Chris

>

>

>

>

MDX Software - FAQ #20

Why do I get significantly different results using the same wheel distribution on girders of a system that I use on a single girder of that system modeled as a line girder project?

The difference is due primarily to differences in ordinates of influence lines, developed for the single girder, from ordinates of influence surfaces developed for the system. A unit load is used in both cases, but the entire system across the grid resists the unit load placed at a particular location on the system, whereas only the single girder, modeled as a line girder project, resists the unit load placed at a comparable location. Because multiple girders in the system are involved in the resistance, influence ordinates over a girder in the system will be less than those for that girder modeled as a line girder project.

In that respect it might then seem reasonable to apply a larger distribution to the system for equivalent effects. This might be the case if only the girder for which effects are being determined were the only girder loaded with the distribution given for that girder. However, the influence surface for a particular effect drapes over the entire grid, and there exists a counter argument that wheel distribution given for all girders in the grid should be applied to the influence surface ordinates at those other girders when determining a particular effect on the girder for which live effects are being developed. This is the approach MDX employs by default.

Thus it would then seem that equivalent effects between a system model and a line girder model would be obtained only by using a lower distribution value for the system. But comparing system analysis modeling to line girder modeling has a bit of the flavor of an apples and oranges comparison. Skew, curvature, and short girder inserts are only a few of the factors that make it difficult to determine an equivalent wheel distribution for a system which would produce results comparable to that of a line girder model. Determining the equivalent wheel distribution to be applied to the separate girders of a system is a task we have to leave to the user exercising sound engineering judgement.

As an alternative for consideration, we have enabled a condition, LOCAL WHEEL DISTRIBUTION ONLY, which causes only the girder for which live effects are being determined to be loaded with the wheel distribution supplied for that girder. While it is felt some rigor is sacrificed if this approach is used, it does reduce considerably the compute time for a large system. In this case it would make sense to use a larger distribution than that used for a line girder project because of the differences in influence ordinates.

Whatever choice is made, the user can check results for a particular effect on a particular girder by applying wheel distribution, for all girders loaded, to the influence surface values at those loaded girders.



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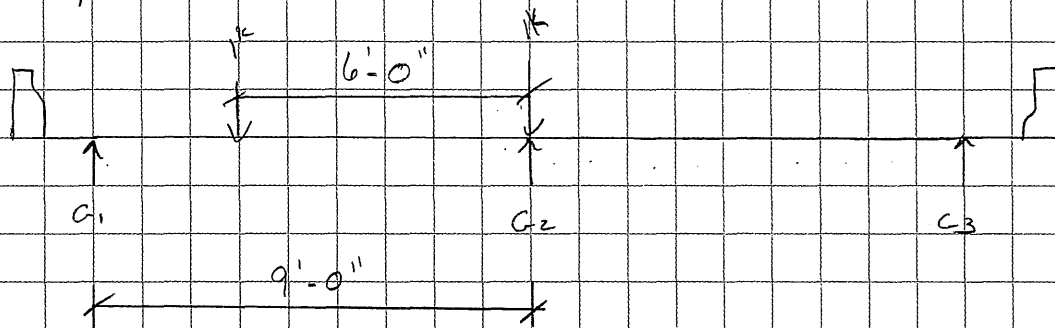
PROJECT # 090147 DATE 2/22/10 BY CJM SHEET NO. _____ OF _____

✓RAM 3/5/10

Girder 2 Distribution Factor

D.F. By AASHTO (S/7)
 $= 9'/7 = 1.286 \checkmark$

D.F. By Statics



$$G_2 = 1^k + 1^k \cdot \frac{3'}{9'} = 1.333 \text{ wheels } \checkmark$$

$$G_1 = 2 \text{ wheels} - 1.333 \text{ wheels} = 0.667 \text{ wheels } \checkmark$$

- Apply 0.667 wheels to either G_1 or G_3 , whichever ever has a higher influence surface values $\checkmark$

Bridge 69801D - Girder 1 - Adjusted Permit Distribution Factor

Completed By: CJM				Date : 2-18-10				Checked By: RAM				Date: 3-5-10			
Span	AASHTO	Permit	Permit	Span	AASHTO	Permit	Permit	Span	AASHTO	Permit	Permit	Span	AASHTO	Permit	Permit
Point	D.F.	% Adjusted	D.F.	Point	D.F.	% Adjusted	D.F.	Point	D.F.	% Adjusted	D.F.	Point	D.F.	% Adjusted	D.F.
1.0	1.278	10.0	1.406	6.0	1.278	10.0	1.406	11.0	1.278	10.0	1.406				
1.1	1.278	11.0	1.419	6.1	1.278	11.0	1.419	11.1	1.278	11.0	1.419				
1.2	1.278	12.0	1.431	6.2	1.278	12.0	1.431	11.2	1.278	12.0	1.431				
1.3	1.278	13.0	1.444	6.3	1.278	13.0	1.444	11.3	1.278	13.0	1.444				
1.4	1.278	14.0	1.457	6.4	1.278	14.0	1.457	11.4	1.278	14.0	1.457				
1.5	1.278	15.0	1.470	6.5	1.278	15.0	1.470	11.5	1.278	15.0	1.470				
1.6	1.278	14.0	1.457	6.6	1.278	14.0	1.457	11.6	1.278	14.0	1.457				
1.7	1.278	13.0	1.444	6.7	1.278	13.0	1.444	11.7	1.278	13.0	1.444				
1.8	1.278	12.0	1.431	6.8	1.278	12.0	1.431	11.8	1.278	12.0	1.431				
1.9	1.278	11.0	1.419	6.9	1.278	11.0	1.419	11.9	1.278	11.0	1.419				
2.0	1.278	10.0	1.406	7.0	1.278	10.0	1.406	12.0	1.278	10.0	1.406				
2.1	1.278	11.0	1.419	7.1	1.278	11.0	1.419	12.1	1.278	11.0	1.419				
2.2	1.278	12.0	1.431	7.2	1.278	12.0	1.431	12.2	1.278	12.0	1.431				
2.3	1.278	13.0	1.444	7.3	1.278	13.0	1.444	12.3	1.278	13.0	1.444				
2.4	1.278	14.0	1.457	7.4	1.278	14.0	1.457	12.4	1.278	14.0	1.457				
2.5	1.278	15.0	1.470	7.5	1.278	15.0	1.470	12.5	1.278	15.0	1.470				
2.6	1.278	14.0	1.457	7.6	1.278	14.0	1.457	12.6	1.278	14.0	1.457				
2.7	1.278	13.0	1.444	7.7	1.278	13.0	1.444	12.7	1.278	13.0	1.444				
2.8	1.278	12.0	1.431	7.8	1.278	12.0	1.431	12.8	1.278	12.0	1.431				
2.9	1.278	11.0	1.419	7.9	1.278	11.0	1.419	12.9	1.278	11.0	1.419				
3.0	1.278	10.0	1.406	8.0	1.278	10.0	1.406	13.0	1.278	10.0	1.406				
3.1	1.278	11.0	1.419	8.1	1.278	11.0	1.419	13.1	1.278	11.0	1.419				
3.2	1.278	12.0	1.431	8.2	1.278	12.0	1.431	13.2	1.278	12.0	1.431				
3.3	1.278	13.0	1.444	8.3	1.278	13.0	1.444	13.3	1.278	13.0	1.444				
3.4	1.278	14.0	1.457	8.4	1.278	14.0	1.457	13.4	1.278	14.0	1.457				
3.5	1.278	15.0	1.470	8.5	1.278	15.0	1.470	13.5	1.278	15.0	1.470				
3.6	1.278	14.0	1.457	8.6	1.278	14.0	1.457	13.6	1.278	14.0	1.457				
3.7	1.278	13.0	1.444	8.7	1.278	13.0	1.444	13.7	1.278	13.0	1.444				
3.8	1.278	12.0	1.431	8.8	1.278	12.0	1.431	13.8	1.278	12.0	1.431				
3.9	1.278	11.0	1.419	8.9	1.278	11.0	1.419	13.9	1.278	11.0	1.419				
4.0	1.278	10.0	1.406	9.0	1.278	10.0	1.406	14.0	1.278	10.0	1.406				
4.1	1.278	11.0	1.419	9.1	1.278	11.0	1.419	14.1	1.278	11.0	1.419				
4.2	1.278	12.0	1.431	9.2	1.278	12.0	1.431	14.2	1.278	12.0	1.431				
4.3	1.278	13.0	1.444	9.3	1.278	13.0	1.444	14.3	1.278	13.0	1.444				
4.4	1.278	14.0	1.457	9.4	1.278	14.0	1.457	14.4	1.278	14.0	1.457				
4.5	1.278	15.0	1.470	9.5	1.278	15.0	1.470	14.5	1.278	15.0	1.470				
4.6	1.278	14.0	1.457	9.6	1.278	14.0	1.457	14.6	1.278	14.0	1.457				
4.7	1.278	13.0	1.444	9.7	1.278	13.0	1.444	14.7	1.278	13.0	1.444				
4.8	1.278	12.0	1.431	9.8	1.278	12.0	1.431	14.8	1.278	12.0	1.431				
4.9	1.278	11.0	1.419	9.9	1.278	11.0	1.419	14.9	1.278	11.0	1.419				
5.0	1.278	10.0	1.406	10.0	1.278	10.0	1.406	15.0	1.278	10.0	1.406				
5.1	1.278	11.0	1.419	10.1	1.278	11.0	1.419								
5.2	1.278	12.0	1.431	10.2	1.278	12.0	1.431								
5.3	1.278	13.0	1.444	10.3	1.278	13.0	1.444								
5.4	1.278	14.0	1.457	10.4	1.278	14.0	1.457								
5.5	1.278	15.0	1.470	10.5	1.278	15.0	1.470								
5.6	1.278	14.0	1.457	10.6	1.278	14.0	1.457								
5.7	1.278	13.0	1.444	10.7	1.278	13.0	1.444								
5.8	1.278	12.0	1.431	10.8	1.278	12.0	1.431								
5.9	1.278	11.0	1.419	10.9	1.278	11.0	1.419								

Bridge 69801D - Girder 2 - Adjusted Permit Distribution Factor

Completed By: CJM				Date : 2-18-10				Checked By: RAM				Date: 3-5-10			
Span	AASHTO	Permit	Permit	Span	AASHTO	Permit	Permit	Span	AASHTO	Permit	Permit	Span	AASHTO	Permit	Permit
Point	D.F.	% Adjusted	D.F.	Point	D.F.	% Adjusted	D.F.	Point	D.F.	% Adjusted	D.F.	Point	D.F.	% Adjusted	D.F.
1.0	1.286	15.0	1.479	6.0	1.286	15.0	1.479	11.0	1.286	15.0	1.479				
1.1	1.286	16.4	1.497	6.1	1.286	16.4	1.497	11.1	1.286	16.4	1.497				
1.2	1.286	17.8	1.515	6.2	1.286	17.8	1.515	11.2	1.286	17.8	1.515				
1.3	1.286	19.2	1.533	6.3	1.286	19.2	1.533	11.3	1.286	19.2	1.533				
1.4	1.286	20.6	1.551	6.4	1.286	20.6	1.551	11.4	1.286	20.6	1.551				
1.5	1.286	22.0	1.569	6.5	1.286	22.0	1.569	11.5	1.286	22.0	1.569				
1.6	1.286	20.6	1.551	6.6	1.286	20.6	1.551	11.6	1.286	20.6	1.551				
1.7	1.286	19.2	1.533	6.7	1.286	19.2	1.533	11.7	1.286	19.2	1.533				
1.8	1.286	17.8	1.515	6.8	1.286	17.8	1.515	11.8	1.286	17.8	1.515				
1.9	1.286	16.4	1.497	6.9	1.286	16.4	1.497	11.9	1.286	16.4	1.497				
2.0	1.286	15.0	1.479	7.0	1.286	15.0	1.479	12.0	1.286	15.0	1.479				
2.1	1.286	16.4	1.497	7.1	1.286	16.4	1.497	12.1	1.286	16.4	1.497				
2.2	1.286	17.8	1.515	7.2	1.286	17.8	1.515	12.2	1.286	17.8	1.515				
2.3	1.286	19.2	1.533	7.3	1.286	19.2	1.533	12.3	1.286	19.2	1.533				
2.4	1.286	20.6	1.551	7.4	1.286	20.6	1.551	12.4	1.286	20.6	1.551				
2.5	1.286	22.0	1.569	7.5	1.286	22.0	1.569	12.5	1.286	22.0	1.569				
2.6	1.286	20.6	1.551	7.6	1.286	20.6	1.551	12.6	1.286	20.6	1.551				
2.7	1.286	19.2	1.533	7.7	1.286	19.2	1.533	12.7	1.286	19.2	1.533				
2.8	1.286	17.8	1.515	7.8	1.286	17.8	1.515	12.8	1.286	17.8	1.515				
2.9	1.286	16.4	1.497	7.9	1.286	16.4	1.497	12.9	1.286	16.4	1.497				
3.0	1.286	15.0	1.479	8.0	1.286	15.0	1.479	13.0	1.286	15.0	1.479				
3.1	1.286	16.4	1.497	8.1	1.286	16.4	1.497	13.1	1.286	16.4	1.497				
3.2	1.286	17.8	1.515	8.2	1.286	17.8	1.515	13.2	1.286	17.8	1.515				
3.3	1.286	19.2	1.533	8.3	1.286	19.2	1.533	13.3	1.286	19.2	1.533				
3.4	1.286	20.6	1.551	8.4	1.286	20.6	1.551	13.4	1.286	20.6	1.551				
3.5	1.286	22.0	1.569	8.5	1.286	22.0	1.569	13.5	1.286	22.0	1.569				
3.6	1.286	20.6	1.551	8.6	1.286	20.6	1.551	13.6	1.286	20.6	1.551				
3.7	1.286	19.2	1.533	8.7	1.286	19.2	1.533	13.7	1.286	19.2	1.533				
3.8	1.286	17.8	1.515	8.8	1.286	17.8	1.515	13.8	1.286	17.8	1.515				
3.9	1.286	16.4	1.497	8.9	1.286	16.4	1.497	13.9	1.286	16.4	1.497				
4.0	1.286	15.0	1.479	9.0	1.286	15.0	1.479	14.0	1.286	15.0	1.479				
4.1	1.286	16.4	1.497	9.1	1.286	16.4	1.497	14.1	1.286	16.4	1.497				
4.2	1.286	17.8	1.515	9.2	1.286	17.8	1.515	14.2	1.286	17.8	1.515				
4.3	1.286	19.2	1.533	9.3	1.286	19.2	1.533	14.3	1.286	19.2	1.533				
4.4	1.286	20.6	1.551	9.4	1.286	20.6	1.551	14.4	1.286	20.6	1.551				
4.5	1.286	22.0	1.569	9.5	1.286	22.0	1.569	14.5	1.286	22.0	1.569				
4.6	1.286	20.6	1.551	9.6	1.286	20.6	1.551	14.6	1.286	20.6	1.551				
4.7	1.286	19.2	1.533	9.7	1.286	19.2	1.533	14.7	1.286	19.2	1.533				
4.8	1.286	17.8	1.515	9.8	1.286	17.8	1.515	14.8	1.286	17.8	1.515				
4.9	1.286	16.4	1.497	9.9	1.286	16.4	1.497	14.9	1.286	16.4	1.497				
5.0	1.286	15.0	1.479	10.0	1.286	15.0	1.479	15.0	1.286	15.0	1.479				
5.1	1.286	16.4	1.497	10.1	1.286	16.4	1.497								
5.2	1.286	17.8	1.515	10.2	1.286	17.8	1.515								
5.3	1.286	19.2	1.533	10.3	1.286	19.2	1.533								
5.4	1.286	20.6	1.551	10.4	1.286	20.6	1.551								
5.5	1.286	22.0	1.569	10.5	1.286	22.0	1.569								
5.6	1.286	20.6	1.551	10.6	1.286	20.6	1.551								
5.7	1.286	19.2	1.533	10.7	1.286	19.2	1.533								
5.8	1.286	17.8	1.515	10.8	1.286	17.8	1.515								
5.9	1.286	16.4	1.497	10.9	1.286	16.4	1.497								

Bridge 69801D - Girder 3 - Adjusted Permit Distribution Factor

Completed By: CJM				Date : 2-18-10				Checked By: RAM				Date: 3-5-10			
Span	AASHTO	Permit	Permit	Span	AASHTO	Permit	Permit	Span	AASHTO	Permit	Permit	Span	AASHTO	Permit	Permit
Point	D.F.	% Adjusted	D.F.	Point	D.F.	% Adjusted	D.F.	Point	D.F.	% Adjusted	D.F.	Point	D.F.	% Adjusted	D.F.
1.0	1.278	10.0	1.406	6.0	1.278	10.0	1.406	11.0	1.2984	10.0	1.428				
1.1	1.278	11.0	1.419	6.1	1.278	11.0	1.419	11.1	1.2984	11.0	1.441				
1.2	1.278	12.0	1.431	6.2	1.278	12.0	1.431	11.2	1.2984	12.0	1.454				
1.3	1.278	13.0	1.444	6.3	1.278	13.0	1.444	11.3	1.2984	13.0	1.467				
1.4	1.278	14.0	1.457	6.4	1.278	14.0	1.457	11.4	1.2984	14.0	1.480				
1.5	1.278	15.0	1.470	6.5	1.278	15.0	1.470	11.5	1.2984	15.0	1.493				
1.6	1.278	14.0	1.457	6.6	1.278	14.0	1.457	11.6	1.2984	14.0	1.480				
1.7	1.278	13.0	1.444	6.7	1.278	13.0	1.444	11.7	1.2984	13.0	1.467				
1.8	1.278	12.0	1.431	6.8	1.278	12.0	1.431	11.8	1.2984	12.0	1.454				
1.9	1.278	11.0	1.419	6.9	1.278	11.0	1.419	11.9	1.2984	11.0	1.441				
2.0	1.278	10.0	1.406	7.0	1.278	10.0	1.406	12.0	1.2984	10.0	1.428				
2.1	1.278	11.0	1.419	7.1	1.278	11.0	1.419	12.1	1.2984	11.0	1.441				
2.2	1.278	12.0	1.431	7.2	1.278	12.0	1.431	12.2	1.2984	12.0	1.454				
2.3	1.278	13.0	1.444	7.3	1.278	13.0	1.444	12.3	1.2984	13.0	1.467				
2.4	1.278	14.0	1.457	7.4	1.278	14.0	1.457	12.4	1.2984	14.0	1.480				
2.5	1.278	15.0	1.470	7.5	1.278	15.0	1.470	12.5	1.2984	15.0	1.493				
2.6	1.278	14.0	1.457	7.6	1.278	14.0	1.457	12.6	1.2984	14.0	1.480				
2.7	1.278	13.0	1.444	7.7	1.278	13.0	1.444	12.7	1.2984	13.0	1.467				
2.8	1.278	12.0	1.431	7.8	1.278	12.0	1.431	12.8	1.2984	12.0	1.454				
2.9	1.278	11.0	1.419	7.9	1.278	11.0	1.419	12.9	1.2984	11.0	1.441				
3.0	1.278	10.0	1.406	8.0	1.278	10.0	1.406	13.0	1.2984	10.0	1.428				
3.1	1.278	11.0	1.419	8.1	1.2984	11.0	1.441	13.1	1.2984	11.0	1.441				
3.2	1.278	12.0	1.431	8.2	1.2984	12.0	1.454	13.2	1.2984	12.0	1.454				
3.3	1.278	13.0	1.444	8.3	1.2984	13.0	1.467	13.3	1.2984	13.0	1.467				
3.4	1.278	14.0	1.457	8.4	1.2984	14.0	1.480	13.4	1.2984	14.0	1.480				
3.5	1.278	15.0	1.470	8.5	1.2984	15.0	1.493	13.5	1.2984	15.0	1.493				
3.6	1.278	14.0	1.457	8.6	1.2984	14.0	1.480	13.6	1.2984	14.0	1.480				
3.7	1.278	13.0	1.444	8.7	1.2984	13.0	1.467	13.7	1.2984	13.0	1.467				
3.8	1.278	12.0	1.431	8.8	1.2984	12.0	1.454	13.8	1.2984	12.0	1.454				
3.9	1.278	11.0	1.419	8.9	1.2984	11.0	1.441	13.9	1.2984	11.0	1.441				
4.0	1.278	10.0	1.406	9.0	1.2984	10.0	1.428	14.0	1.2984	10.0	1.428				
4.1	1.278	11.0	1.419	9.1	1.2984	11.0	1.441	14.1	1.2984	11.0	1.441				
4.2	1.278	12.0	1.431	9.2	1.2984	12.0	1.454	14.2	1.2984	12.0	1.454				
4.3	1.278	13.0	1.444	9.3	1.2984	13.0	1.467	14.3	1.2984	13.0	1.467				
4.4	1.278	14.0	1.457	9.4	1.2984	14.0	1.480	14.4	1.2984	14.0	1.480				
4.5	1.278	15.0	1.470	9.5	1.2984	15.0	1.493	14.5	1.2984	15.0	1.493				
4.6	1.278	14.0	1.457	9.6	1.2984	14.0	1.480	14.6	1.2984	14.0	1.480				
4.7	1.278	13.0	1.444	9.7	1.2984	13.0	1.467	14.7	1.2984	13.0	1.467				
4.8	1.278	12.0	1.431	9.8	1.2984	12.0	1.454	14.8	1.2984	12.0	1.454				
4.9	1.278	11.0	1.419	9.9	1.2984	11.0	1.441	14.9	1.2984	11.0	1.441				
5.0	1.278	10.0	1.406	10.0	1.2984	10.0	1.428	15.0	1.2984	10.0	1.428				
5.1	1.278	11.0	1.419	10.1	1.2984	11.0	1.441								
5.2	1.278	12.0	1.431	10.2	1.2984	12.0	1.454								
5.3	1.278	13.0	1.444	10.3	1.2984	13.0	1.467								
5.4	1.278	14.0	1.457	10.4	1.2984	14.0	1.480								
5.5	1.278	15.0	1.470	10.5	1.2984	15.0	1.493								
5.6	1.278	14.0	1.457	10.6	1.2984	14.0	1.480								
5.7	1.278	13.0	1.444	10.7	1.2984	13.0	1.467								
5.8	1.278	12.0	1.431	10.8	1.2984	12.0	1.454								
5.9	1.278	11.0	1.419	10.9	1.2984	11.0	1.441								

Influence surface for moment on Girder I at tenth point 65

Mom at 65 - GIRDER 1 °

Girder 3 0.00000

-0.00001	-0.00001	-0.00002	-0.00002	-0.00002
-0.00002	-0.00002	-0.00002	-0.00001	0.00000
0.00002	0.00005	0.00007	0.00010	0.00012
0.00012	0.00013	0.00012	0.00006	0.00000
-0.00010	-0.00019	-0.00028	-0.00036	-0.00042
-0.00045	-0.00045	-0.00038	-0.00026	0.00000
0.00035	0.00093	0.00127	0.00187	0.00240
0.00295	0.00359	0.00421	0.00304	0.00000
-0.00414	-0.00885	-0.01268	-0.01637	-0.01856
-0.01915	-0.01880	-0.01504	-0.00956	0.00000
0.00801	0.01993	0.04522	0.08566	0.13068
0.14542	0.15270	0.13000	0.10652	0.00000
-0.19318	-0.32435	-0.53948	-0.65881	-0.70612
-0.66461	-0.54957	-0.33646	-0.20616	0.00000
0.15612	0.18411	0.21534	0.21075	0.18980
0.15495	0.11664	0.06448	0.03554	0.00000
-0.01976	-0.02448	-0.02822	-0.03095	-0.02855
-0.02472	-0.01868	-0.01154	-0.00747	0.00000
0.00717	0.00668	0.00589	0.00486	0.00402
0.00320	0.00232	0.00147	0.00065	0.00000
-0.00049	-0.00075	-0.00083	-0.00083	-0.00075
-0.00064	-0.00048	-0.00032	-0.00014	0.00000
0.00009	0.00014	0.00016	0.00016	0.00014
0.00012	0.00009	0.00006	0.00003	0.00000
-0.00002	-0.00003	-0.00003	-0.00003	-0.00003
-0.00002	-0.00002	-0.00001	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000

Girder 2 0.00000

0.00002	0.00003	0.00005	0.00006	0.00007
0.00007	0.00006	0.00006	0.00003	0.00000 10
-0.00005	-0.00013	-0.00019	-0.00026	-0.00031
-0.00033	-0.00034	-0.00031	-0.00017	0.00000 20
0.00025	0.00051	0.00073	0.00095	0.00111
0.00121	0.00119	0.00100	0.00067	0.00000 30
-0.00092	-0.00255	-0.00356	-0.00545	-0.00723
-0.00912	-0.01140	-0.01363	-0.00988	0.00000 40
0.01328	0.02812	0.04026	0.05133	0.05748
0.05820	0.05552	0.04337	0.02639	0.00000 50
-0.02070	-0.05759	-0.14699	-0.28677	-0.43772
-0.48449	-0.50260	-0.41968	-0.33889	0.00000 60
0.59508	1.00517	1.70391	2.11326	2.27724
2.12620	1.72612	1.03286	0.62160	0.00000 70
-0.45365	-0.57138	-0.69194	-0.69085	-0.62196
-0.52225	-0.39377	-0.21970	-0.12542	0.00000 80
0.07779	0.09890	0.11931	0.13522	0.13043
0.11641	0.08771	0.05994	0.04146	0.00000 90
-0.03843	-0.03535	-0.02972	-0.02324	-0.01856
-0.01410	-0.00997	-0.00587	-0.00271	0.00000 100
0.00225	0.00320	0.00354	0.00351	0.00319
0.00266	0.00196	0.00129	0.00061	0.00000 110
-0.00037	-0.00059	-0.00069	-0.00070	-0.00065
-0.00055	-0.00042	-0.00027	-0.00012	0.00000 120
0.00009	0.00013	0.00015	0.00015	0.00014
0.00012	0.00009	0.00006	0.00003	0.00000 130
-0.00002	-0.00002	-0.00003	-0.00003	-0.00003
-0.00003	-0.00002	-0.00001	-0.00001	0.00000 140

Girder 1 0.00000

0.00004	0.00008	0.00011	0.00014	0.00016
0.00016	0.00015	0.00013	0.00008	0.00000 10
-0.00012	-0.00031	-0.00045	-0.00062	-0.00073
-0.00078	-0.00081	-0.00074	-0.00040	0.00000 20
0.00059	0.00121	0.00174	0.00226	0.00265
0.00287	0.00282	0.00238	0.00160	0.00000 30
-0.00218	-0.00603	-0.00838	-0.01275	-0.01684
-0.02113	-0.02632	-0.03141	-0.02280	0.00000 40
0.03070	0.06491	0.09314	0.11889	0.13325
0.13513	0.12905	0.10114	0.06154	0.00000 50
-0.04824	-0.13095	-0.32555	-0.62902	-0.95575
-1.05622	-1.09332	-0.90995	-0.73353	0.00000 60
1.32677	2.51937	5.16920	7.84678	11.02752
7.90739	5.28813	2.69156	1.51587	0.00000 70
-1.08985	-1.29220	-1.53355	-1.52163	-1.36934

-1.14751	-0.86981	-0.49039	-0.28400	0.00000	80
0.18015	0.22483	0.26849	0.29316	0.27812	
0.24605	0.18062	0.12666	0.08796	0.00000	90
-0.07978	-0.07332	-0.06151	-0.04844	-0.03880	
-0.02963	-0.02103	-0.01226	-0.00586	0.00000	100
0.00483	0.00693	0.00767	0.00765	0.00698	
0.00588	0.00439	0.00292	0.00142	0.00000	110
-0.00092	-0.00137	-0.00153	-0.00154	-0.00141	
-0.00118	-0.00088	-0.00058	-0.00028	0.00000	120
0.00017	0.00027	0.00030	0.00030	0.00028	
0.00023	0.00018	0.00011	0.00005	0.00000	130
-0.00003	-0.00004	-0.00006	-0.00006	-0.00006	
-0.00005	-0.00004	-0.00003	-0.00001	0.00000	140

Moment Influence Surface for Girder 1 @ tenth point 70

Mom at 70 - GIRDER 1

Girder 3	0.00000	0.000000	0.000001	0.000001	0.000001	0.000002
		0.000002	0.000002	0.000001	0.000001	0.000000
		-0.000001	-0.000004	-0.000005	-0.000007	-0.000008
		-0.000009	-0.000009	-0.000008	-0.000005	0.000000
		0.000007	0.000014	0.000020	0.000025	0.000030
		0.000032	0.000031	0.000027	0.000018	0.000000
		-0.000025	-0.000066	-0.000090	-0.000134	-0.000173
		-0.000213	-0.000261	-0.000308	-0.000222	0.000000
		0.000302	0.000643	0.000919	0.001181	0.001331
		0.01359	0.01314	0.01033	0.00638	0.000000
		-0.000506	-0.01230	-0.02640	-0.04814	-0.07092
		-0.07770	-0.07951	-0.06492	-0.05167	0.000000
		0.08684	0.14185	0.22762	0.26939	0.28066
		0.25619	0.19996	0.10259	0.04173	0.000000
		0.08938	0.18655	0.33627	0.38198	0.41025
		0.37903	0.31158	0.18756	0.11056	0.000000
		-0.06760	-0.08603	-0.10295	-0.11708	-0.11163
		-0.09926	-0.07667	-0.04899	-0.03205	0.000000
		0.03221	0.03010	0.02647	0.02175	0.01796
		0.01418	0.01026	0.00638	0.00284	0.000000
		-0.00220	-0.00342	-0.00384	-0.00388	-0.00354
		-0.00301	-0.00229	-0.00150	-0.00066	0.000000
		0.00045	0.00072	0.00081	0.00082	0.00075
		0.00064	0.00049	0.00032	0.00015	0.000000
		-0.00011	-0.00016	-0.00017	-0.00017	-0.00016
		-0.00013	-0.00010	-0.00006	-0.00003	0.000000
		0.00001	0.00002	0.00003	0.00003	0.00002
		0.00002	0.00002	0.00001	0.00001	0.000000
Girder 2	0.00000	-0.000001	-0.000002	-0.000003	-0.000003	-0.000004
		-0.000004	-0.000003	-0.000003	-0.000002	0.000000 16
		0.000003	0.000007	0.000010	0.000014	0.000017
		0.000018	0.000018	0.000017	0.000009	0.000000 20
		-0.000013	-0.000027	-0.000039	-0.000051	-0.000060
		-0.000065	-0.000064	-0.000054	-0.000036	0.000000 30
		0.000049	0.000138	0.000192	0.000294	0.000390
		0.000492	0.000616	0.000736	0.000534	0.000000 40
		-0.000717	-0.001518	-0.002171	-0.002761	-0.003083
		-0.003104	-0.002933	-0.002265	-0.001352	0.000000 50
		0.001013	0.002740	0.006667	0.012650	0.18831
		0.20609	0.20971	0.16949	0.13367	0.000000 60
		-0.21994	-0.36167	-0.59169	-0.71374	-0.75575
		-0.69989	-0.55504	-0.29358	-0.12650	0.000000 70
		-0.17475	-0.37345	-0.69634	-0.80347	-0.85490
		-0.80022	-0.65225	-0.39213	-0.23614	0.000000 80
		0.15815	0.20488	0.25360	0.29374	0.28848
		0.26148	0.19995	0.13866	0.09639	0.000000 90
		-0.09129	-0.08433	-0.07142	-0.05640	-0.04536
		-0.03466	-0.02462	-0.01456	-0.00674	0.000000 100
		0.00561	0.00801	0.00886	0.00880	0.00800
		0.00667	0.00493	0.00323	0.00153	0.000000 110
		-0.00092	-0.00148	-0.00171	-0.00174	-0.00162
		-0.00137	-0.00105	-0.00068	-0.00031	0.000000 120
		0.00021	0.00033	0.00037	0.00038	0.00035
		0.00029	0.00022	0.00014	0.00006	0.000000 130
		-0.00004	-0.00005	-0.00007	-0.00007	-0.00007
		-0.00006	-0.00005	-0.00004	-0.00002	0.000000 140
Girder 1	0.00000	-0.000002	-0.000005	-0.000006	-0.000008	-0.000009
		-0.000009	-0.000009	-0.000007	-0.000004	0.000000 10
		0.000007	0.000017	0.000025	0.000035	0.000041
		0.000044	0.000046	0.000042	0.000023	0.000000 20
		-0.000034	-0.000068	-0.000098	-0.00128	-0.00150
		-0.00162	-0.00159	-0.00135	-0.00090	0.000000 30
		0.00123	0.00341	0.00473	0.00720	0.00951
		0.01193	0.01486	0.01773	0.01287	0.000000 40
		-0.01733	-0.03665	-0.05260	-0.06718	-0.07535
		-0.07650	-0.07321	-0.05751	-0.03514	0.000000 50
		0.02779	0.07581	0.19013	0.36923	0.56349
		0.62393	0.64797	0.54227	0.43883	0.000000 60
		-0.77882	-1.34720	-2.38459	-3.13238	-3.71632
		-4.05328	-4.03654	-3.15165	-2.42591	0.000000 70
		-3.60451	-4.17830	-4.81960	-4.72479	-4.17070

-3.45650	-2.59344	-1.44749	-0.83312	0.00000	80
0.52157	0.64874	0.76958	0.83670	0.79095	
0.69718	0.51007	0.35683	0.24759	0.00000	90
-0.22340	-0.20512	-0.17171	-0.13488	-0.10787	
-0.08226	-0.05835	-0.03398	-0.01623	0.00000	100
0.01336	0.01915	0.02118	0.02113	0.01927	
0.01622	0.01210	0.00806	0.00391	0.00000	110
-0.00255	-0.00378	-0.00423	-0.00425	-0.00388	
-0.00327	-0.00243	-0.00161	-0.00078	0.00000	120
0.00047	0.00073	0.00083	0.00083	0.00077	
0.00064	0.00049	0.00031	0.00014	0.00000	130
-0.00009	-0.00011	-0.00015	-0.00016	-0.00015	
-0.00014	-0.00011	-0.00008	-0.00004	0.00000	140

Influence surface - moment @ 10th point 75 - Girder 1

Mom at 75 - GIRDER 1

Girder 3 0.00000

0.00000	0.00000	0.00000	0.00000	0.00000
0.00001	0.00000	0.00000	0.00000	0.00000
0.00000	-0.00001	-0.00001	-0.00002	-0.00002
-0.00003	-0.00003	-0.00002	-0.00001	0.00000
0.00002	0.00004	0.00006	0.00007	0.00009
0.00009	0.00009	0.00008	0.00005	0.00000
-0.00007	-0.00019	-0.00026	-0.00039	-0.00050
-0.00061	-0.00075	-0.00088	-0.00063	0.00000
0.00086	0.00184	0.00263	0.00339	0.00384
0.00396	0.00387	0.00309	0.00195	0.00000
-0.00162	-0.00403	-0.00912	-0.01721	-0.02614
-0.02903	-0.03039	-0.02574	-0.02101	0.00000
0.03812	0.06596	0.11631	0.15252	0.18163
0.20017	0.20225	0.16069	0.12548	0.00000
-0.23583	-0.37952	-0.63956	-0.72680	-0.78927
-0.72854	-0.59439	-0.35264	-0.20433	0.00000
0.11817	0.14787	0.17271	0.19216	0.17969
0.15712	0.11960	0.07507	0.04881	0.00000
-0.04766	-0.04431	-0.03867	-0.03147	-0.02581
-0.02030	-0.01464	-0.00910	-0.00402	0.00000
0.00310	0.00478	0.00534	0.00538	0.00489
0.00415	0.00315	0.00207	0.00090	0.00000
-0.00061	-0.00097	-0.00110	-0.00111	-0.00101
-0.00086	-0.00065	-0.00043	-0.00019	0.00000
0.00014	0.00021	0.00023	0.00023	0.00020
0.00017	0.00012	0.00008	0.00004	0.00000
-0.00002	-0.00002	-0.00003	-0.00003	-0.00003
-0.00003	-0.00002	-0.00001	-0.00001	0.00000

Girder 2 0.00000

0.00000	-0.00001	-0.00001	-0.00001	-0.00001
-0.00001	-0.00001	-0.00001	-0.00001	0.00000
0.00001	0.00002	0.00004	0.00005	0.00006
0.00006	0.00007	0.00006	0.00003	0.00000
-0.00005	-0.00010	-0.00014	-0.00018	-0.00021
-0.00023	-0.00023	-0.00019	-0.00013	0.00000
0.00018	0.00049	0.00068	0.00104	0.00138
0.00174	0.00218	0.00260	0.00189	0.00000
-0.00254	-0.00537	-0.00769	-0.00980	-0.01097
-0.01110	-0.01058	-0.00825	-0.00501	0.00000
0.00391	0.01085	0.02756	0.05363	0.08166
0.09029	0.09350	0.07785	0.06273	0.00000

-0.11023	-0.18994	-0.33449	-0.43705	-0.51513
-0.55711	-0.54984	-0.42417	-0.32167	0.00000
0.53871	0.87348	1.53793	1.79861	1.96204
1.84169	1.48107	0.86838	0.51067	0.00000

-0.32148	-0.40950	-0.49518	-0.56247	-0.54353
-0.48573	-0.36642	-0.25078	-0.17352	0.00000
0.16100	0.14811	0.12454	0.09740	0.07782
0.05913	0.04181	0.02462	0.01135	0.00000
-0.00941	-0.01341	-0.01481	-0.01470	-0.01334
-0.01111	-0.00820	-0.00537	-0.00254	0.00000
0.00153	0.00245	0.00285	0.00290	0.00270
0.00228	0.00174	0.00113	0.00051	0.00000
-0.00035	-0.00055	-0.00062	-0.00063	-0.00058
-0.00049	-0.00037	-0.00024	-0.00010	0.00000
0.00007	0.00009	0.00012	0.00012	0.00012
0.00011	0.00009	0.00006	0.00003	0.00000

Girder 1 0.00000

-0.00001	-0.00002	-0.00002	-0.00003	-0.00003
-0.00003	-0.00003	-0.00003	-0.00001	0.00000
0.00002	0.00006	0.00009	0.00012	0.00014
0.00015	0.00016	0.00014	0.00008	0.00000
-0.00011	-0.00023	-0.00034	-0.00044	-0.00051
-0.00056	-0.00054	-0.00046	-0.00031	0.00000
0.00042	0.00117	0.00162	0.00246	0.00325
0.00408	0.00509	0.00607	0.00441	0.00000
-0.00593	-0.01255	-0.01800	-0.02298	-0.02576
-0.02612	-0.02496	-0.01956	-0.01191	0.00000
0.00935	0.02539	0.06318	0.12214	0.18569
0.20526	0.21256	0.17703	0.14278	0.00000

-0.25096	-0.43128	-0.75603	-0.98359	-1.15339
-1.23936	-1.21315	-0.92656	-0.69884	0.00000
1.34885	2.34350	5.60119	7.27504	10.75323

7.66829	5.05218	2.46522	1.30354	0.00000	80
-0.80119	-0.99929	-1.19194	-1.30052	-1.23310	
-1.09026	-0.79993	-0.56080	-0.38942	0.00000	90
0.35303	0.32444	0.27211	0.21425	0.17159	
0.13103	0.09302	0.05423	0.02592	0.00000	100
-0.02136	-0.03063	-0.03390	-0.03383	-0.03087	
-0.02599	-0.01939	-0.01292	-0.00627	0.00000	110
0.00408	0.00606	0.00679	0.00681	0.00622	
0.00524	0.00389	0.00258	0.00124	0.00000	120
-0.00075	-0.00117	-0.00132	-0.00133	-0.00123	
-0.00103	-0.00078	-0.00049	-0.00022	0.00000	130
0.00014	0.00018	0.00025	0.00026	0.00024	
0.00022	0.00017	0.00012	0.00006	0.00000	140

Influence surface - moment - 16th point 80-Girder I

Mom at 80 GIRDER 1

Girder 3 0.00000

0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00001	0.00001	0.00002	0.00002
0.00002	0.00002	0.00002	0.00001	0.00000
-0.00001	-0.00003	-0.00004	-0.00006	-0.00007
-0.00007	-0.00007	-0.00006	-0.00004	0.00000
0.00005	0.00014	0.00020	0.00029	0.00038
0.00047	0.00057	0.00067	0.00049	0.00000
-0.00066	-0.00141	-0.00201	-0.00259	-0.00293
-0.00301	-0.00293	-0.00232	-0.00146	0.00000
0.00119	0.00296	0.00666	0.01249	0.01885
0.02086	0.02171	0.01822	0.01478	0.00000
-0.02633	-0.04504	-0.07804	-0.10053	-0.11717
-0.12570	-0.12316	-0.09419	-0.07105	0.00000
0.12149	0.19122	0.31316	0.35212	0.37897
0.35102	0.28414	0.15735	0.07237	0.00000
0.02490	0.05730	0.11359	0.17270	0.19999
0.20583	0.17850	0.12678	0.08586	0.00000
-0.10130	-0.09818	-0.09158	-0.08097	-0.06983
-0.05713	-0.04258	-0.02710	-0.01231	0.00000
0.00974	0.01527	0.01730	0.01760	0.01615
0.01377	0.01050	0.00692	0.00304	0.00000
-0.00209	-0.00333	-0.00378	-0.00383	-0.00351
-0.00299	-0.00228	-0.00152	-0.00068	0.00000
0.00050	0.00075	0.00082	0.00082	0.00073
0.00061	0.00045	0.00030	0.00014	0.00000
-0.00007	-0.00009	-0.00012	-0.00012	-0.00011
-0.00010	-0.00008	-0.00005	-0.00003	0.00000

Girder 2 0.00000

0.00000	0.00000	0.00001	0.00001	0.00001
0.00001	0.00001	0.00001	0.00000	0.00000
-0.00001	-0.00002	-0.00002	-0.00003	-0.00004
-0.00004	-0.00004	-0.00004	-0.00002	0.00000
0.00003	0.00006	0.00009	0.00012	0.00014
0.00015	0.00015	0.00013	0.00009	0.00000
-0.00012	-0.00032	-0.00045	-0.00069	-0.00092
-0.00116	-0.00145	-0.00173	-0.00125	0.00000
0.00169	0.00357	0.00511	0.00651	0.00728
0.00736	0.00700	0.00544	0.00329	0.00000
-0.00254	-0.00701	-0.01764	-0.03413	-0.05171
-0.05705	-0.05886	-0.04870	-0.03907	0.00000
0.06775	0.11571	0.20105	0.25914	0.30030
0.31774	0.30548	0.22759	0.16684	0.00000
-0.25200	-0.39851	-0.67043	-0.76999	-0.83169
-0.78864	-0.63588	-0.34547	-0.14953	0.00000
-0.09862	-0.19879	-0.36626	-0.53718	-0.61787
-0.63165	-0.53483	-0.40465	-0.28965	0.00000
0.30958	0.29234	0.25711	0.21318	0.17676
0.13855	0.10054	0.06051	0.02849	0.00000
-0.02417	-0.03485	-0.03890	-0.03892	-0.03556
-0.02977	-0.02209	-0.01450	-0.00689	0.00000
0.00418	0.00669	0.00779	0.00793	0.00738
0.00623	0.00477	0.00309	0.00139	0.00000
-0.00097	-0.00150	-0.00171	-0.00172	-0.00158
-0.00133	-0.00101	-0.00064	-0.00029	0.00000
0.00018	0.00024	0.00033	0.00034	0.00033
0.00029	0.00023	0.00016	0.00008	0.00000
0.00001	0.00001	0.00002	0.00002	0.00002
0.00002	0.00002	0.00002	0.00001	0.00000
-0.00002	-0.00004	-0.00006	-0.00008	-0.00010
-0.00010	-0.00011	-0.00010	-0.00005	0.00000
0.00008	0.00016	0.00023	0.00030	0.00035
0.00038	0.00037	0.00031	0.00021	0.00000
-0.00029	-0.00079	-0.00110	-0.00167	-0.00221
-0.00277	-0.00345	-0.00412	-0.00299	0.00000
0.00403	0.00852	0.01222	0.01561	0.01750
0.01775	0.01697	0.01331	0.00811	0.00000
-0.00638	-0.01734	-0.04323	-0.08368	-0.12734
-0.14082	-0.14594	-0.12171	-0.09825	0.00000
0.17315	0.29810	0.52395	0.68346	0.80405
0.86762	0.85346	0.65601	0.49774	0.00000
-0.88314	-1.43035	-2.69384	-3.23184	-3.96058

Girder 1 0.00000

-4.38036	-4.43271	-3.55102	-2.86309	0.00000	80
-2.77030	-3.41813	-3.98920	-4.29013	-4.01796	
-3.50740	-2.54259	-1.76623	-1.22230	0.00000	90
1.08549	0.99345	0.82625	0.64380	0.51214	
0.38870	0.27465	0.15936	0.07590	0.00000	100
-0.06224	-0.08901	-0.09832	-0.09793	-0.08925	
-0.07506	-0.05596	-0.03725	-0.01808	0.00000	110
0.01175	0.01744	0.01952	0.01959	0.01789	
0.01505	0.01119	0.00741	0.00357	0.00000	120
-0.00214	-0.00337	-0.00380	-0.00383	-0.00352	
-0.00296	-0.00225	-0.00142	-0.00064	0.00000	130
0.00039	0.00053	0.00070	0.00073	0.00070	
0.00062	0.00050	0.00035	0.00018	0.00000	140

Influence Surface - moment - 10th point 65 - Girder 2

Mom at 65 - GIRDER 2

Girder 3 0.00000

0.00002	0.00003	0.00005	0.00006	0.00007	
0.00007	0.00006	0.00006	0.00003	0.00000	10
-0.00005	-0.00013	-0.00019	-0.00026	-0.00031	
-0.00033	-0.00034	-0.00031	-0.00017	0.00000	20
0.00025	0.00051	0.00074	0.00096	0.00112	
0.00121	0.00119	0.00101	0.00067	0.00000	30
-0.00092	-0.00256	-0.00357	-0.00547	-0.00725	
-0.00914	-0.01143	-0.01366	-0.00991	0.00000	40
0.01332	0.02823	0.04027	0.05147	0.05760	
0.05825	0.05568	0.04339	0.02644	0.00000	50
-0.02073	-0.05770	-0.14761	-0.28860	-0.44010	
-0.48700	-0.50532	-0.42200	-0.34087	0.00000	60
0.59921	1.01273	1.71816	2.13349	2.30275	
2.15120	1.74876	1.05181	0.64226	0.00000	70
-0.49788	-0.59514	-0.71206	-0.70824	-0.64018	
-0.53473	-0.40332	-0.22495	-0.12823	0.00000	80

0.07875	0.10074	0.12061	0.13818	0.13301	
0.11853	0.09134	0.05925	0.03891	0.00000	90
-0.03920	-0.03616	-0.03075	-0.02418	-0.01937	
-0.01475	-0.01038	-0.00620	-0.00271	0.00000	100
0.00217	0.00343	0.00396	0.00404	0.00375	
0.00319	0.00244	0.00159	0.00070	0.00000	110
-0.00050	-0.00081	-0.00095	-0.00098	-0.00092	
-0.00079	-0.00061	-0.00040	-0.00018	0.00000	120
0.00014	0.00021	0.00024	0.00024	0.00022	
0.00019	0.00014	0.00009	0.00004	0.00000	130
-0.00002	-0.00003	-0.00004	-0.00005	-0.00004	
-0.00004	-0.00003	-0.00002	-0.00001	0.00000	140

Girder 2 0.00000

0.00002	0.00003	0.00005	0.00006	0.00007	
0.00007	0.00006	0.00006	0.00003	0.00000	10
-0.00005	-0.00013	-0.00019	-0.00026	-0.00031	
-0.00033	-0.00034	-0.00031	-0.00017	0.00000	20
0.00025	0.00051	0.00073	0.00095	0.00112	
0.00121	0.00119	0.00100	0.00067	0.00000	30
-0.00092	-0.00256	-0.00357	-0.00546	-0.00724	
-0.00913	-0.01143	-0.01366	-0.00991	0.00000	40
0.01331	0.02815	0.04025	0.05130	0.05733	
0.05787	0.05496	0.04266	0.02568	0.00000	50
-0.01967	-0.05391	-0.13426	-0.25825	-0.38926	
-0.42843	-0.44023	-0.36185	-0.28895	0.00000	60

0.53942	1.19047	2.92316	5.06584	8.03114	
5.10262	2.99175	1.29057	0.64398	0.00000	70
-0.42520	-0.54018	-0.66209	-0.66379	-0.60489	
-0.50807	-0.38466	-0.21531	-0.12281	0.00000	80

0.07665	0.09764	0.11856	0.13453	0.12977	
0.11616	0.08778	0.05985	0.04143	0.00000	90
-0.03863	-0.03557	-0.03004	-0.02360	-0.01888	
-0.01440	-0.01018	-0.00603	-0.00278	0.00000	100
0.00233	0.00337	0.00374	0.00375	0.00342	
0.00288	0.00213	0.00141	0.00067	0.00000	110
-0.00041	-0.00067	-0.00078	-0.00081	-0.00076	
-0.00065	-0.00050	-0.00033	-0.00015	0.00000	120
0.00010	0.00016	0.00019	0.00019	0.00017	
0.00015	0.00011	0.00007	0.00003	0.00000	130
-0.00002	-0.00003	-0.00004	-0.00004	-0.00004	
-0.00003	-0.00003	-0.00002	-0.00001	0.00000	140

Girder 1 0.00000

0.00002	0.00003	0.00005	0.00006	0.00007	
0.00007	0.00006	0.00006	0.00003	0.00000	10
-0.00005	-0.00013	-0.00019	-0.00026	-0.00031	
-0.00033	-0.00034	-0.00031	-0.00017	0.00000	20
0.00025	0.00051	0.00073	0.00095	0.00111	
0.00121	0.00118	0.00100	0.00067	0.00000	30
-0.00092	-0.00255	-0.00356	-0.00544	-0.00722	
-0.00910	-0.01138	-0.01360	-0.00988	0.00000	40
0.01328	0.02806	0.04024	0.05128	0.05742	
0.05814	0.05542	0.04338	0.02634	0.00000	50
-0.02063	-0.05736	-0.14659	-0.28611	-0.43708	
-0.48387	-0.50210	-0.41939	-0.33886	0.00000	60

0.59560	1.00639	1.70786	2.12104	2.28873	
2.13648	1.73478	1.04087	0.63391	0.00000	70
-0.48027	-0.56990	-0.67745	-0.67244	-0.60667	

-0.50737	-0.38429	-0.21641	-0.12523	0.00000	80
0.08035	0.10061	0.12111	0.13275	0.12632	
0.11219	0.08258	0.05792	0.04023	0.00000	90
-0.03656	-0.03362	-0.02827	-0.02228	-0.01782	
-0.01359	-0.00960	-0.00558	-0.00265	0.00000	110
0.00220	0.00316	0.00350	0.00351	0.00319	
0.00269	0.00199	0.00132	0.00064	0.00000	120
-0.00042	-0.00062	-0.00070	-0.00070	-0.00064	
-0.00054	-0.00040	-0.00026	-0.00013	0.00000	130
0.00008	0.00012	0.00014	0.00014	0.00013	
0.00011	0.00008	0.00005	0.00002	0.00000	140
-0.00001	-0.00002	-0.00003	-0.00003	-0.00003	
-0.00002	-0.00002	-0.00001	-0.00001	0.00000	150

Influence surface - moment - 10th point 70 - Girder 2

Mom at 70 - GIRDER 2

Girder 3 0.00000

-0.00001	-0.00002	-0.00003	-0.00003	-0.00004	
-0.00004	-0.00004	-0.00003	-0.00002	0.00000	10
0.00003	0.00007	0.00011	0.00015	0.00017	
0.00019	0.00019	0.00018	0.00010	0.00000	20
-0.00014	-0.00029	-0.00042	-0.00054	-0.00063	
-0.00069	-0.00067	-0.00057	-0.00038	0.00000	30
0.00052	0.00145	0.00202	0.00309	0.00410	
0.00516	0.00646	0.00772	0.00560	0.00000	40
-0.00754	-0.01594	-0.02273	-0.02897	-0.03233	
-0.03252	-0.03080	-0.02373	-0.01418	0.00000	50
0.01065	0.02881	0.07037	0.13393	0.19928	
0.21806	0.22200	0.17965	0.14186	0.00000	60
-0.23436	-0.38641	-0.63488	-0.76972	-0.82059	
-0.76634	-0.61643	-0.33865	-0.16191	0.00000	70
-0.14439	-0.34525	-0.66625	-0.77715	-0.83527	
-0.79092	-0.64881	-0.39258	-0.23818	0.00000	80

0.15791	0.20586	0.25281	0.29606	0.29025	
0.26250	0.20481	0.13479	0.08893	0.00000	90
-0.09154	-0.08480	-0.07261	-0.05764	-0.04648	
-0.03556	-0.02515	-0.01507	-0.00663	0.00000	100
0.00532	0.00844	0.00977	0.00999	0.00930	
0.00790	0.00605	0.00394	0.00175	0.00000	110
-0.00125	-0.00203	-0.00237	-0.00245	-0.00229	
-0.00197	-0.00152	-0.00101	-0.00046	0.00000	120
0.00035	0.00053	0.00060	0.00061	0.00056	
0.00047	0.00035	0.00023	0.00011	0.00000	130
-0.00006	-0.00008	-0.00011	-0.00011	-0.00011	
-0.00010	-0.00008	-0.00006	-0.00003	0.00000	140

Girder 2 0.00000

-0.00001	-0.00002	-0.00003	-0.00003	-0.00004	
-0.00004	-0.00004	-0.00003	-0.00002	0.00000	10
0.00003	0.00007	0.00011	0.00015	0.00017	
0.00019	0.00019	0.00017	0.00009	0.00000	20
-0.00014	-0.00029	-0.00041	-0.00054	-0.00063	
-0.00068	-0.00067	-0.00056	-0.00038	0.00000	30
0.00052	0.00144	0.00200	0.00306	0.00406	
0.00512	0.00640	0.00765	0.00555	0.00000	40
-0.00745	-0.01580	-0.02263	-0.02899	-0.03258	
-0.03324	-0.03215	-0.02550	-0.01591	0.00000	50
0.01316	0.03781	0.10134	0.20298	0.31686	
0.35417	0.37344	0.32013	0.26323	0.00000	60

-0.48958	-0.87489	-1.62281	-2.22825	-2.78124	
-3.21904	-3.42144	-2.88231	-2.35957	0.00000	70
-3.09918	-3.60791	-3.89966	-3.68394	-3.06895	
-2.41398	-1.72608	-0.90832	-0.49402	0.00000	80

0.28414	0.35399	0.41564	0.45884	0.43241	
0.37858	0.27992	0.18707	0.12850	0.00000	90
-0.11565	-0.10572	-0.08812	-0.06797	-0.05375	
-0.04054	-0.02842	-0.01668	-0.00763	0.00000	100
0.00634	0.00910	0.01007	0.01006	0.00915	
0.00768	0.00567	0.00374	0.00178	0.00000	110
-0.00109	-0.00177	-0.00207	-0.00213	-0.00199	
-0.00170	-0.00130	-0.00085	-0.00039	0.00000	120
0.00027	0.00043	0.00049	0.00049	0.00045	
0.00038	0.00029	0.00018	0.00008	0.00000	130
-0.00005	-0.00007	-0.00009	-0.00010	-0.00009	
-0.00008	-0.00007	-0.00005	-0.00002	0.00000	140

Girder 1 0.00000

-0.00001	-0.00002	-0.00003	-0.00003	-0.00004	
-0.00004	-0.00004	-0.00003	-0.00002	0.00000	10
0.00003	0.00007	0.00010	0.00015	0.00017	
0.00018	0.00019	0.00017	0.00009	0.00000	20
-0.00014	-0.00028	-0.00041	-0.00053	-0.00062	
-0.00068	-0.00066	-0.00056	-0.00037	0.00000	30
0.00051	0.00143	0.00199	0.00305	0.00404	
0.00510	0.00638	0.00763	0.00554	0.00000	40
-0.00745	-0.01571	-0.02251	-0.02861	-0.03195	
-0.03218	-0.03038	-0.02351	-0.01400	0.00000	50
0.01049	0.02836	0.06916	0.13134	0.19582	
0.21443	0.21839	0.17662	0.13943	0.00000	60

-0.22994	-0.37873	-0.62176	-0.75323	-0.80188	
-0.74712	-0.59892	-0.32528	-0.15134	0.00000	70
-0.16616	-0.38710	-0.73715	-0.84554	-0.92463	

-0.84939	-0.69603	-0.42101	-0.25389	0.00000	80
0.17634	0.22503	0.28062	0.31446	0.30462	
0.27533	0.20590	0.14612	0.10190	0.00000	90
-0.09484	-0.08763	-0.07435	-0.05926	-0.04775	
-0.03664	-0.02604	-0.01521	-0.00726	0.00000	100
0.00603	0.00871	0.00967	0.00969	0.00884	
0.00745	0.00554	0.00368	0.00178	0.00000	110
-0.00116	-0.00173	-0.00194	-0.00195	-0.00178	
-0.00150	-0.00111	-0.00073	-0.00035	0.00000	120
0.00021	0.00034	0.00038	0.00038	0.00035	
0.00030	0.00023	0.00014	0.00006	0.00000	130
-0.00004	-0.00005	-0.00007	-0.00008	-0.00007	
-0.00007	-0.00005	-0.00004	-0.00002	0.00000	140

Influence Surface - moment - 10th point 75-Girder 1

Mom at 75 - GIRDER 2

Girder 3	0.00000	0.00000	-0.00001	-0.00001	-0.00001	-0.00001	-0.00001	
		-0.00001	-0.00001	-0.00001	-0.00001	0.00000	10	
		0.00001	0.00002	0.00004	0.00005	0.00006		
		0.00006	0.00006	0.00006	0.00003	0.00000	20	
		-0.00005	-0.00010	-0.00014	-0.00018	-0.00021		
		-0.00023	-0.00023	-0.00019	-0.00013	0.00000	30	
		0.00017	0.00049	0.00068	0.00104	0.00138		
		0.00174	0.00217	0.00260	0.00189	0.00000	40	
		-0.00254	-0.00537	-0.00766	-0.00979	-0.01095		
		-0.01106	-0.01056	-0.00821	-0.00499	0.00000	50	
		0.00389	0.01082	0.02762	0.05390	0.08201		
		0.09065	0.09388	0.07816	0.06299	0.00000	60	
		-0.11076	-0.19090	-0.33630	-0.43957	-0.51784		
		-0.55895	-0.54983	-0.42251	-0.32033	0.00000	70	
		0.56298	0.89977	1.57659	1.83547	1.99700		
		1.87387	1.50644	0.88203	0.51827	0.00000	80	
		-0.31800	-0.40615	-0.48518	-0.55463	-0.53277		
		-0.47385	-0.36448	-0.23599	-0.15485	0.00000	90	
		0.15541	0.14318	0.12152	0.09525	0.07614		
		0.05783	0.04063	0.02420	0.01058	0.00000	100	
		-0.00845	-0.01337	-0.01544	-0.01576	-0.01464		
		-0.01243	-0.00951	-0.00619	-0.00275	0.00000	110	
		0.00195	0.00318	0.00372	0.00384	0.00360		
		0.00308	0.00239	0.00158	0.00072	0.00000	120	
		-0.00055	-0.00083	-0.00094	-0.00095	-0.00087		
		-0.00074	-0.00055	-0.00036	-0.00017	0.00000	130	
		0.00009	0.00013	0.00017	0.00018	0.00017		
		0.00015	0.00012	0.00009	0.00004	0.00000	140	
Girder 2	0.00000	0.00000	-0.00001	-0.00001	-0.00001	-0.00001		
		-0.00001	-0.00001	-0.00001	-0.00001	0.00000	10	
		0.00001	0.00003	0.00004	0.00005	0.00006		
		0.00007	0.00007	0.00006	0.00003	0.00000	20	
		-0.00005	-0.00010	-0.00015	-0.00020	-0.00023		
		-0.00025	-0.00024	-0.00021	-0.00014	0.00000	30	
		0.00019	0.00053	0.00073	0.00112	0.00149		
		0.00188	0.00235	0.00281	0.00204	0.00000	40	
		-0.00274	-0.00579	-0.00829	-0.01057	-0.01182		
		-0.01194	-0.01137	-0.00885	-0.00535	0.00000	50	
		0.00414	0.01142	0.02876	0.05566	0.08437		
		0.09309	0.09606	0.07952	0.06383	0.00000	60	
		-0.11085	-0.18947	-0.32980	-0.42590	-0.49460		
		-0.52411	-0.50494	-0.37750	-0.27779	0.00000	70	
		0.58913	1.12160	3.41352	4.72244	7.98434		
		5.03544	2.89381	1.16651	0.51810	0.00000	80	
		-0.30221	-0.38700	-0.47350	-0.54090	-0.52484		
		-0.47234	-0.35887	-0.24605	-0.17065	0.00000	90	
		0.16066	0.14820	0.12560	0.09910	0.07955		
		0.06080	0.04310	0.02555	0.01180	0.00000	100	
		-0.00992	-0.01432	-0.01592	-0.01598	-0.01458		
		-0.01228	-0.00909	-0.00599	-0.00285	0.00000	110	
		0.00175	0.00285	0.00334	0.00343	0.00321		
		0.00274	0.00211	0.00138	0.00062	0.00000	120	
		-0.00044	-0.00069	-0.00078	-0.00079	-0.00073		
		-0.00062	-0.00047	-0.00030	-0.00013	0.00000	130	
		0.00008	0.00011	0.00015	0.00016	0.00015		
		0.00013	0.00011	0.00008	0.00004	0.00000	140	
Girder 1	0.00000	0.00000	-0.00001	-0.00001	-0.00001	-0.00002		
		-0.00002	-0.00001	-0.00001	-0.00001	0.00000	10	
		0.00001	0.00003	0.00004	0.00006	0.00007		
		0.00007	0.00008	0.00007	0.00004	0.00000	20	
		-0.00006	-0.00011	-0.00016	-0.00021	-0.00025		
		-0.00027	-0.00026	-0.00022	-0.00015	0.00000	30	
		0.00020	0.00057	0.00079	0.00121	0.00160		
		0.00202	0.00252	0.00301	0.00219	0.00000	40	
		-0.00294	-0.00621	-0.00891	-0.01136	-0.01272		
		-0.01287	-0.01226	-0.00959	-0.00581	0.00000	50	
		0.00454	0.01254	0.03183	0.06191	0.09433		
		0.10432	0.10807	0.09001	0.07259	0.00000	60	
		-0.12764	-0.21991	-0.38724	-0.50594	-0.59579		
		-0.64308	-0.63253	-0.48605	-0.36866	0.00000	70	
		0.64472	1.03264	1.82408	2.12715	2.37060		

2.18687	1.76576	1.04314	0.61650	0.00000	20
-0.39593	-0.49429	-0.59123	-0.64557	-0.61231	
-0.54189	-0.39762	-0.27831	-0.19312	0.00000	40
0.17458	0.16039	0.13452	0.10575	0.08448	
0.06432	0.04545	0.02639	0.01255	0.00000	100
-0.01036	-0.01491	-0.01651	-0.01651	-0.01503	
-0.01264	-0.00939	-0.00624	-0.00302	0.00000	140
0.00196	0.00292	0.00328	0.00330	0.00301	
0.00253	0.00188	0.00124	0.00060	0.00000	120
-0.00036	-0.00057	-0.00064	-0.00065	-0.00060	
-0.00050	-0.00038	-0.00024	-0.00011	0.00000	130
0.00007	0.00009	0.00012	0.00013	0.00012	
0.00011	0.00009	0.00006	0.00003	0.00000	110

Influence surface - moment - 10th point 80 - Girder 2

Mom at 80 - GIRDER 2

Girder 3 0.00000

0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	
0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	10
-0.00001	-0.00002	-0.00003	-0.00004	-0.00005	-0.00005	
-0.00005	-0.00005	-0.00005	-0.00002	0.00000	0.00000	20
0.00004	0.00007	0.00011	0.00014	0.00016		
0.00018	0.00017	0.00015	0.00010	0.00000	0.00000	30
-0.00014	-0.00038	-0.00052	-0.00080	-0.00107		
-0.00134	-0.00168	-0.00201	-0.00146	0.00000	0.00000	40
0.00196	0.00415	0.00591	0.00755	0.00844		
0.00852	0.00812	0.00630	0.00381	0.00000	0.00000	50
-0.00294	-0.00811	-0.02043	-0.03959	-0.05989		
-0.06604	-0.06811	-0.05632	-0.04518	0.00000	0.00000	60
0.07833	0.13368	0.23202	0.29871	0.34540		
0.36386	0.34763	0.25702	0.18776	0.00000	0.00000	70
-0.29300	-0.45310	-0.75834	-0.86861	-0.93730		
-0.89377	-0.72382	-0.40324	-0.18967	0.00000	0.00000	80
-0.07204	-0.15974	-0.30190	-0.46086	-0.53985		
-0.55194	-0.47237	-0.34261	-0.23293	0.00000	0.00000	90

0.27253	0.25856	0.22985	0.19196	0.15991		
0.12559	0.09095	0.05544	0.02492	0.00000	0.00000	100
-0.02040	-0.03271	-0.03817	-0.03927	-0.03675		
-0.03134	-0.02407	-0.01571	-0.00700	0.00000	0.00000	110
0.00500	0.00815	0.00955	0.00986	0.00926		
0.00795	0.00615	0.00407	0.00186	0.00000	0.00000	120
-0.00142	-0.00215	-0.00243	-0.00247	-0.00226		
-0.00191	-0.00142	-0.00093	-0.00044	0.00000	0.00000	130
0.00024	0.00033	0.00044	0.00046	0.00045		
0.00040	0.00032	0.00023	0.00012	0.00000	0.00000	140

Girder 2 0.00000

0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	
0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	10
-0.00001	-0.00002	-0.00003	-0.00004	-0.00005	-0.00005	
-0.00005	-0.00005	-0.00005	-0.00002	0.00000	0.00000	20
0.00004	0.00007	0.00011	0.00014	0.00016		
0.00018	0.00017	0.00015	0.00010	0.00000	0.00000	30
-0.00014	-0.00038	-0.00052	-0.00080	-0.00107		
-0.00134	-0.00168	-0.00201	-0.00146	0.00000	0.00000	40
0.00196	0.00414	0.00592	0.00756	0.00847		
0.00859	0.00821	0.00643	0.00392	0.00000	0.00000	50
-0.00310	-0.00866	-0.02227	-0.04361	-0.06679		
-0.07403	-0.07699	-0.06456	-0.05229	0.00000	0.00000	60
0.09323	0.16221	0.28984	0.38423	0.46070		
0.50854	0.51389	0.40848	0.31845	0.00000	0.00000	70
-0.59611	-1.00542	-2.01442	-2.47294	-3.20105		
-3.72480	-3.99832	-3.43043	-2.94026	0.00000	0.00000	80
-2.42047	-2.93938	-3.31154	-3.52223	-3.20748		
-2.71207	-1.93285	-1.24506	-0.84266	0.00000	0.00000	90

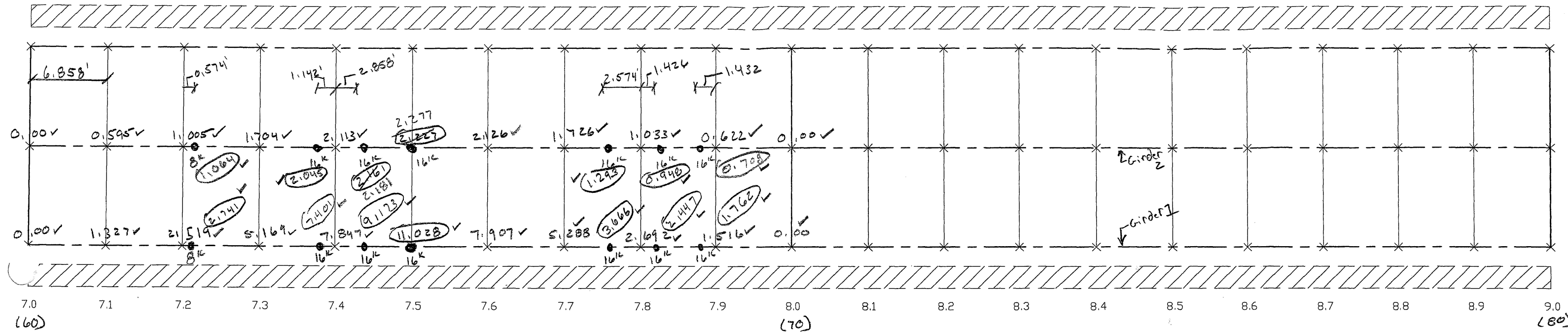
0.70375	0.63290	0.51138	0.37713	0.28905		
0.21177	0.14471	0.08296	0.03710	0.00000	0.00000	100
-0.02995	-0.04220	-0.04606	-0.04542	-0.04092		
-0.03407	-0.02499	-0.01637	-0.00774	0.00000	0.00000	110
0.00471	0.00761	0.00888	0.00911	0.00849		
0.00724	0.00556	0.00364	0.00164	0.00000	0.00000	120
-0.00115	-0.00181	-0.00206	-0.00208	-0.00192		
-0.00162	-0.00123	-0.00078	-0.00035	0.00000	0.00000	130
0.00022	0.00029	0.00039	0.00041	0.00039		
0.00035	0.00028	0.00020	0.00010	0.00000	0.00000	140

Girder 1 0.00000

0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	
0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	10
-0.00001	-0.00002	-0.00003	-0.00004	-0.00005	-0.00005	
-0.00005	-0.00005	-0.00005	-0.00002	0.00000	0.00000	20
0.00004	0.00007	0.00011	0.00014	0.00016		
0.00018	0.00017	0.00015	0.00010	0.00000	0.00000	30
-0.00014	-0.00038	-0.00052	-0.00080	-0.00107		
-0.00134	-0.00168	-0.00201	-0.00146	0.00000	0.00000	40
0.00196	0.00414	0.00594	0.00756	0.00845		
0.00854	0.00812	0.00633	0.00382	0.00000	0.00000	50
-0.00294	-0.00810	-0.02038	-0.03942	-0.05975		
-0.06592	-0.06801	-0.05624	-0.04513	0.00000	0.00000	60
0.07820	0.13343	0.23163	0.29826	0.34490		
0.36343	0.34731	0.25678	0.18762	0.00000	0.00000	70
-0.29354	-0.45807	-0.78104	-0.89795	-1.00183		

-0.94276	-0.78376	-0.44503	-0.21011	0.00000	80
-0.06466	-0.15961	-0.37684	-0.54268	-0.61877	
-0.64179	-0.53480	-0.40770	-0.29136	0.00000	90
0.30915	0.29247	0.25950	0.21776	0.18098	
0.14262	0.10343	0.06157	0.02981	0.00000	100
-0.02526	-0.03684	-0.04117	-0.04155	-0.03806	
-0.03219	-0.02401	-0.01601	-0.00776	0.00000	110
0.00508	0.00758	0.00851	0.00858	0.00784	
0.00661	0.00490	0.00324	0.00156	0.00000	120
-0.00094	-0.00148	-0.00168	-0.00170	-0.00157	
-0.00132	-0.00100	-0.00063	-0.00028	0.00000	130
0.00018	0.00024	0.00032	0.00034	0.00033	
0.00029	0.00023	0.00016	0.00008	0.00000	140

GIRDER 1 INFLUENCE SURFACE - MOMENT - POINT 65 - SPAN POINT 7.5



STANDARD A Permit Truck

MDX Single Girder = 468.99 K-ft ; MDX All Girders = 618.12 K-ft

G₁ P.F. = 1.278 wheels ✓

G₂ P.F. = 2 wheels - 1.278 wheels = 0.722 wheels ✓

L_L + S_{mp} = 1.25 ✓

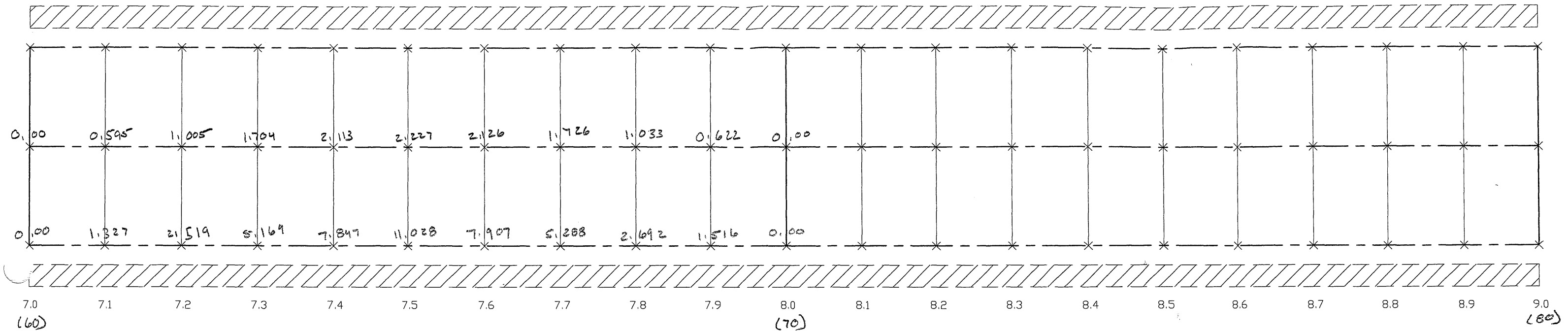
$$G_1 = 1.278 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} \left[(8^k \cdot 2.741) + 16^k (7.401 + 9.173 + 11.028 + 3.666 + 2.447 + 1.762) \right] = 470.8 \text{ K-ft} - \Delta \text{ Due to rounding (0.4\%)}$$

$$G_2 = 0.722 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} \left[(8^k \cdot 1.064) + 16^k (2.045 + 2.181 + 2.227 + 1.293 + 0.948 + 0.708) \right] = 71.6 \text{ K-ft}$$

$$\frac{G_2}{G_1} = \frac{71.6 \text{ K-ft}}{470.8 \text{ K-ft}} = 15.2\% - \text{Girder 2 contribution to effect on Girder 1}$$

$$\text{Total } G_1 + G_2 = 470.8 + 71.6 = 542.4 \text{ K-ft}$$

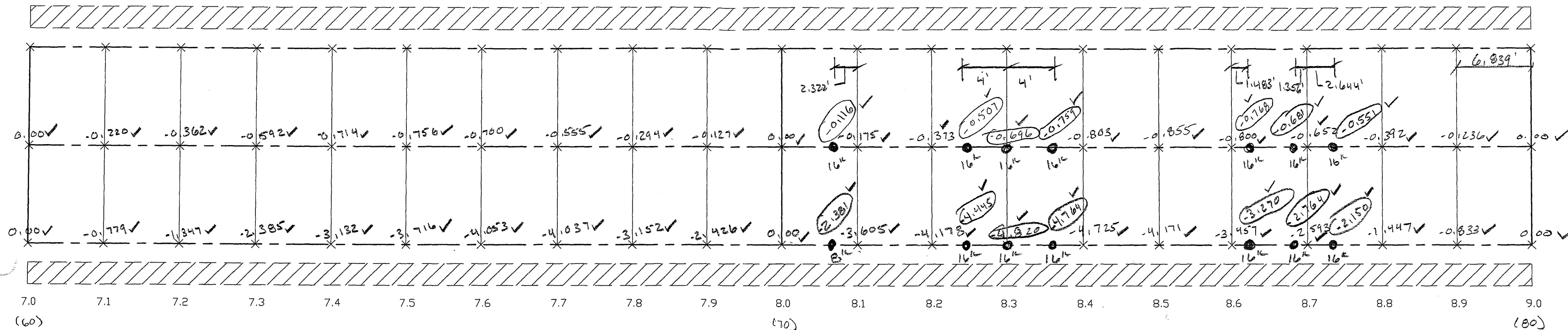
GIRDER 1 INFLUENCE SURFACE - MOMENT - POINT 65 - SPAN POINT 7.5



STANDARD A Permit Track

MDX Single Girder = 468.99 K-ft

GIRDER 1 INFLUENCE SURFACE - MOMENT - POINT 70 - SPAN POINT 8.0



Standard A permit Truck

MDX Single girder = -311.80 ; All airers = -370.67

G₁ D.F. = 1.278 wheels ✓

G₂ D.F. = 2 - 1.278 = 0.722 wheels ✓

LL + Imp = 1.25 ✓

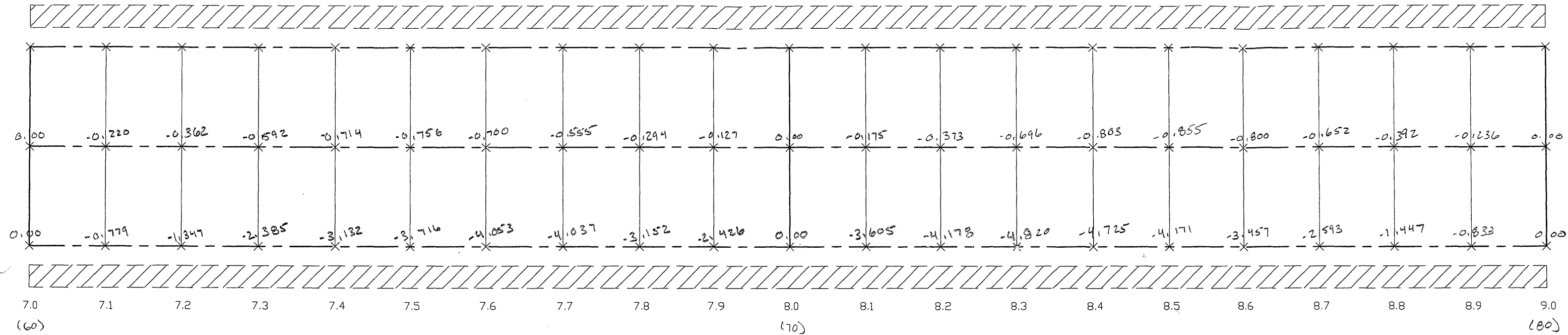
$$G_1 = 1.278 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} [18k \cdot -2.381 + 16k \cdot (-4.445 + -4.820 + 4.764 + -3.270 + -2.764 + -2.150)] = 299.1 \text{ K-ft} \quad \Delta = 4.2\% \text{ - minor wheel placement}$$

$$G_2 = 0.722 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} [18k \cdot -0.116 + 16k \cdot (-0.1507 + -0.696 + -0.759 + -0.768 + -0.681 + -0.551)] = -29.0 \text{ K-ft}$$

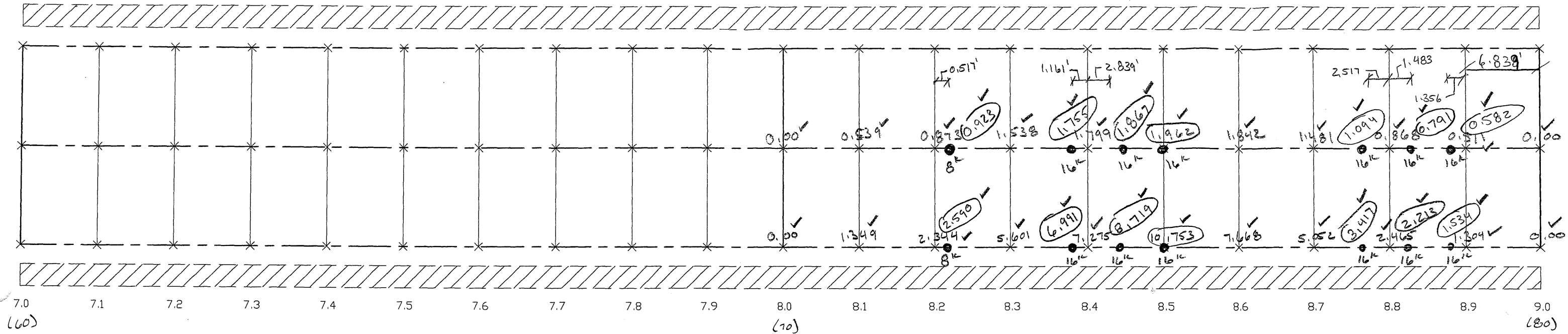
$$\frac{G_2}{G_1} = \frac{-29}{299.1} = 9.7\%$$

$$G_1 + G_2 = 328.1 \text{ K-ft} \quad (4\% \text{ adjusted} = 341.2 \text{ K-ft})$$

GIRDER 1 INFLUENCE SURFACE - MOMENT - POINT 70 - SPAN POINT 8.0



GIRDER 1 INFLUENCE SURFACE - MOMENT - POINT 75 - SPAN POINT 8.5



Standard A Truck

MDX single Lane = 449.61 K-ft
MDX All Girders = 580.20 K-ft

G₁ D.F = 1.278 wheels ✓

G₂ D.F = 2 wheels - 1.278 wheels = 0.722 wheels ✓

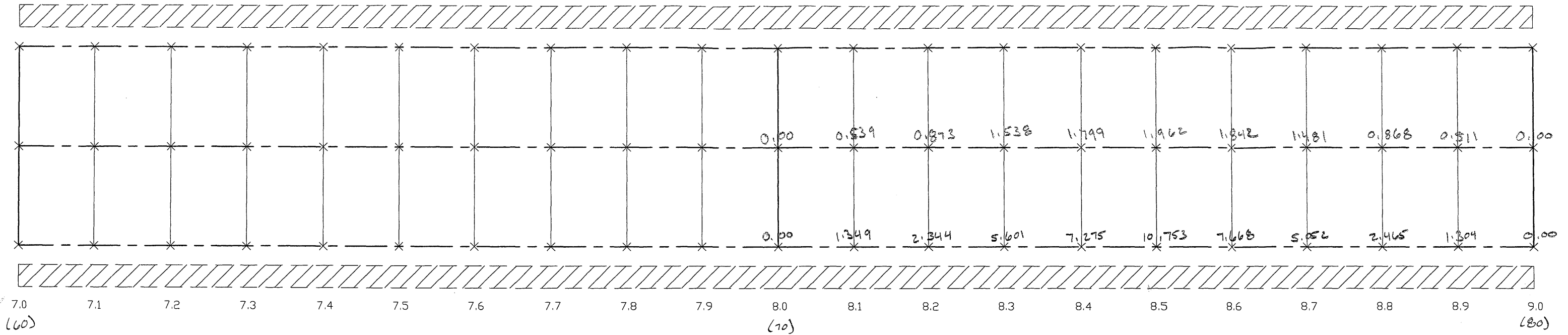
$$G_1 = 1.278 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} \left[(8^k \cdot 2.590) + 16(6.991 + 8.719 + 10.1753 + 3.417 + 2.213 + 1.534) \right] = 446.3 \text{ K-ft} \quad D = 0.74\%$$

$$G_2 = 0.722 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} \left[(8^k \cdot 0.923) + 16(1.755 + 1.867 + 1.962 + 1.094 + 0.791 + 0.582) \right] = 61.5 \text{ K-ft}$$

$$\frac{G_2}{G_1} = \frac{61.5}{446.3} = 13.8\% \checkmark$$

$$G_1 + G_2 = 507.8 \text{ K-ft} \checkmark$$

GIRDER 1 INFLUENCE SURFACE - MOMENT - POINT 75 - SPAN POINT 8.5



Standard A Truck

MDX single Lane =

MDX All Girders =

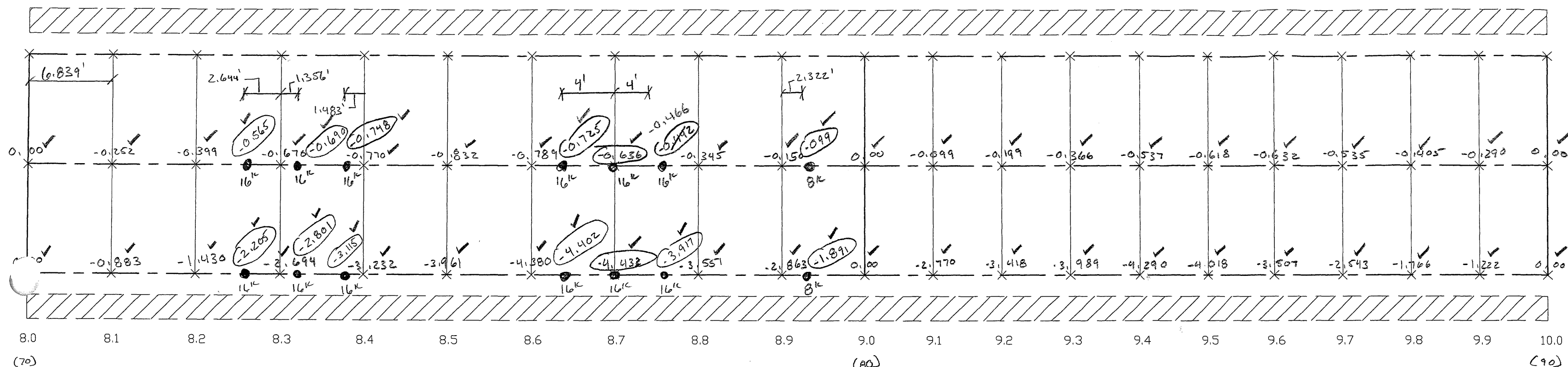
G₁ D.F = 1.278 wheels

G₂ D.F = 2 wheels - 1.278 wheels = 0.722 wheels

by CSM 2/18/10

✓ RAM 3/4/10

GIRDER 1 INFLUENCE SURFACE - MOMENT - POINT 80 - SPAN POINT 9.0



Standard A Truck

MDX single lane = -299.89 K-ft

MDX All Girders = -358.73 K-ft

G₁ D, F = 1.278 wheels ✓

G₂ D, F = 2 wheels - 1.278 wheels = 0.722 wheels ✓

$$G_{\text{Girder 1}} = 1.278 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} \left[(8k \cdot -1.891) + 16k (-2.205 + -2.801 + -3.115 + -4.402 + -4.433 + -3.917) \right] = -278.8 \text{ K-ft} \quad (D = 7.09\%)$$

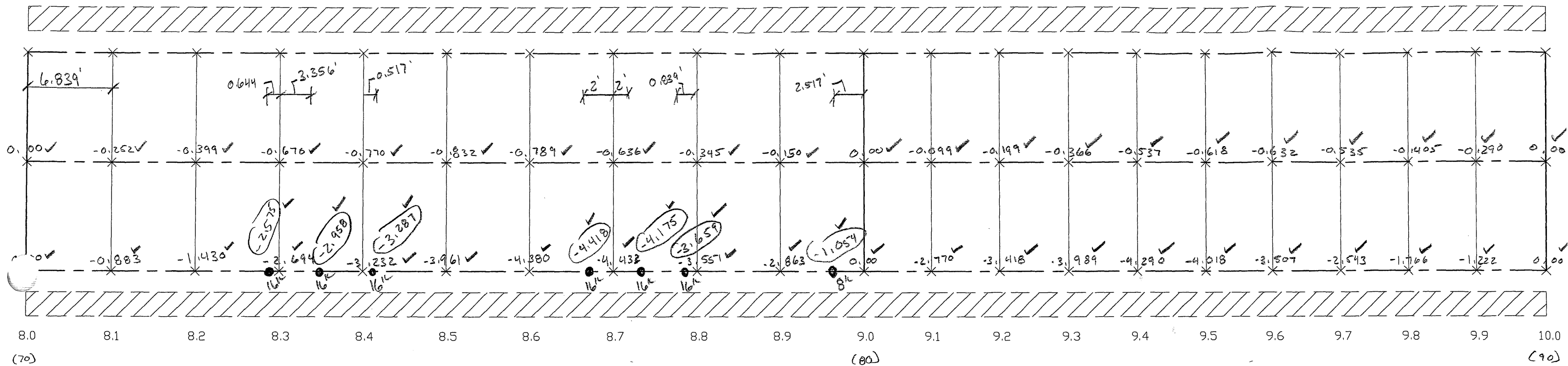
$$G_{\text{Girder 2}} = 0.722 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} \left[(8k \cdot -0.099) + 16k (-0.565 + -0.640 + 0.748 + 0.725 + -0.636 + 0.442) \right] = -27.9 \text{ K-ft}$$

$$\frac{G_2}{G_1} = \frac{-27.9}{-278.8} = 10\%$$

$$G_1 + G_2 = -306.6 \text{ K-ft}$$

✓ RAM 3/4/10

GIRDER 1 INFLUENCE SURFACE - MOMENT - POINT 80 - SPAN POINT 9.0



Standard A Truck

MDX Single lane = -299.89 K-ft

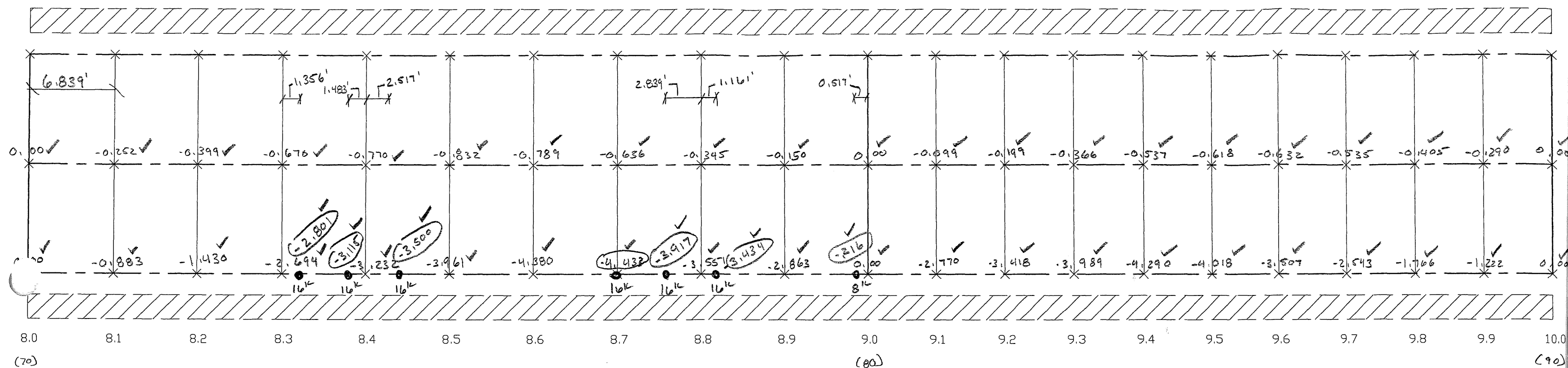
MDX All Girders = -358.73 K-ft

G₁ P₁F = 1.278 wheels ✓

G₂ P₁F = 2 wheels - 1.278 wheels = 0.722 wheels ✓

$$G_1 = 1.278 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} \left[(8K \cdot -1.054) + 16K (-2.575 + -2.958 + -3.287 + -4.418 + -4.175 + -3.659) \right] = -276.03 \text{ K-ft}$$

GIRDER 1 INFLUENCE SURFACE - MOMENT - POINT 80 - SPAN POINT 9.0



Standard A Truck

MDX single lane = -299.89 K-ft

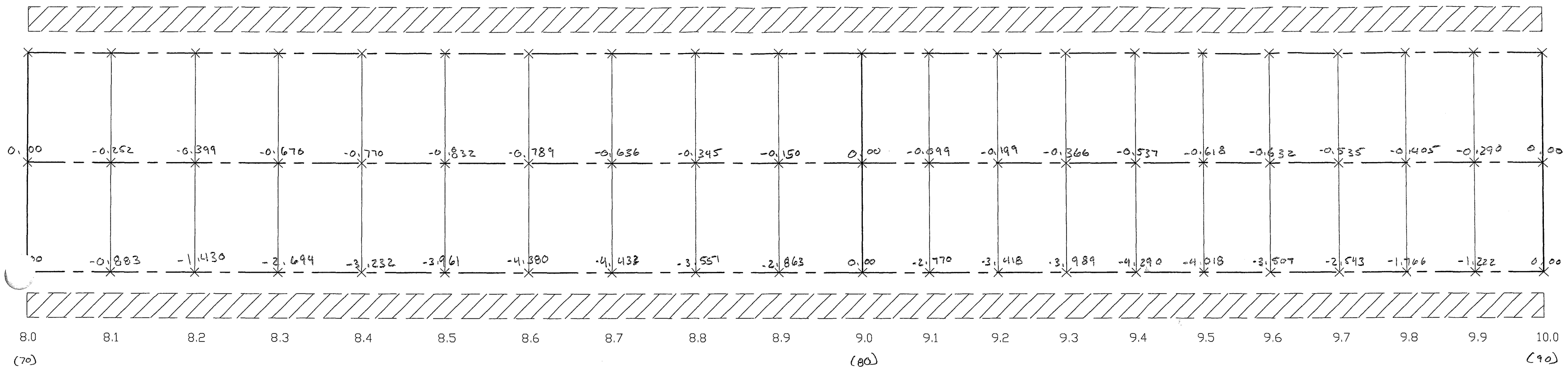
MDX All Girders = -358.73 K-ft

G₁ D₁F = 1.278 wheels ✓

G₂ D₁F = 2 wheels - 1.278 wheels = 0.722 wheels ✓

$$G_1 = 1.278 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} [(8k \cdot 0.216) + 16(-2.801 + -3.115 + -3.500 + -4.433 + -3.917 + -3.434)] = -272.13 \text{ K-ft}$$

GIRDER 1 INFLUENCE SURFACE - MOMENT - POINT 80 - SPAN POINT 9.0



Standard A Truck

MDX Single lane = -299.89 k-ft

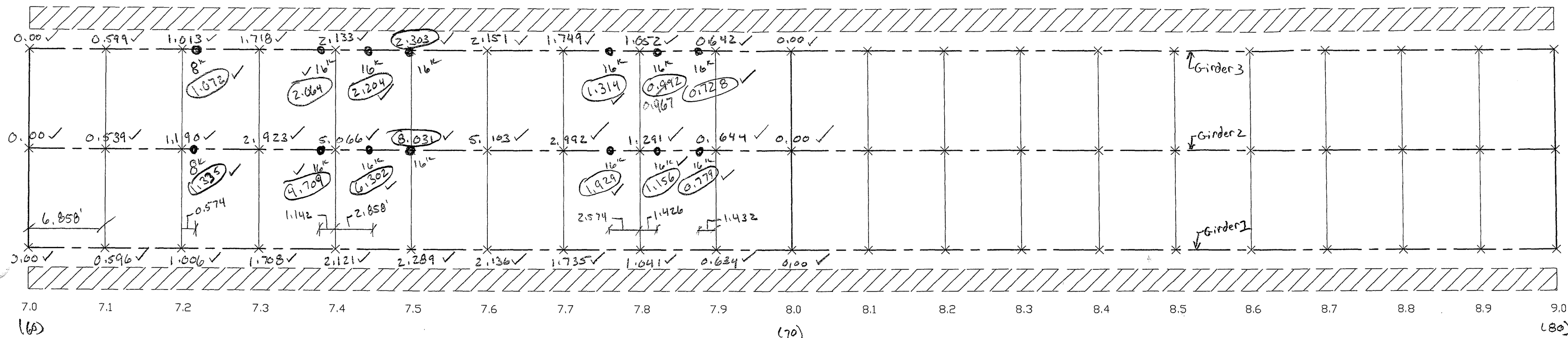
MDX All Girders = -358.73 k-ft

G₁ D₁F = 1.278 wheels

G₂ D₁F = 2 wheels - 1.278 wheels = 0.722 wheels

by CJM 2/18/10
 ✓ RAM 3/4/10

GIRDER 2 INFLUENCE SURFACE - MOMENT - POINT 65 - SPAN POINT 7.5



Standard A Truck

MDX Loads (1.286 D.F.)
 Single Girder Loaded = 306.53 K-ft
 All Girders Loaded = 576.99 K-ft
 G_2 DF = 1.333 wheels (statics) ✓
 G_1 or G_3 DF = 0.667 wheels ✓
 $LL + imp = 1.25$ ✓

$$G_2 - \text{original D.F.} = 1.286 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} [(8^k \cdot 1.335) + 16^k (4.709 + 6.302 + 8.031 + 1.929 + 1.156 + 0.779)] = 303.2 \text{ K-ft} \quad \Delta = 1.1\% \text{ ok}$$

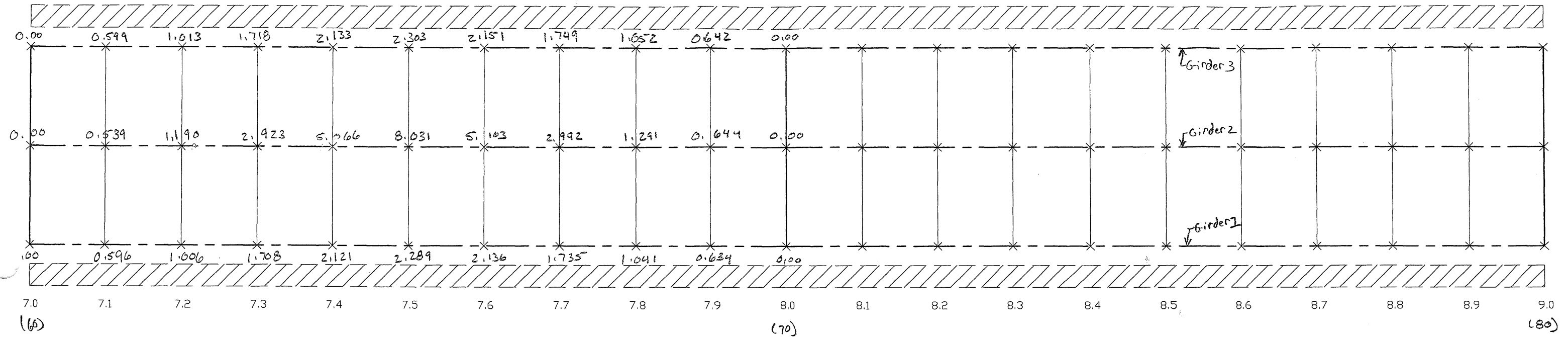
$$G_2 - \text{Static D.F.} = \frac{1.333}{1.286} \cdot 303.2 \text{ K-ft} = 314.3 \text{ K-ft}$$

$$G_3 = 0.667 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} [(8^k \cdot 1.072) + 16^k (2.064 + 2.204 + 2.302 + 1.314 + 0.992 + 0.728)] = 67.5 \text{ K-ft}$$

$$\frac{G_3}{G_2} = \frac{21.5}{381.8} \%$$

$$G_3 + G_2 = 370.8 \text{ K-ft}$$

GIRDER 2 INFLUENCE SURFACE - MOMENT - POINT 65 - SPAN POINT 7.5



Standard A Truck

MDX Loads (1.286 D.F.)

Single Girder Loaded = 306.53 K-ft

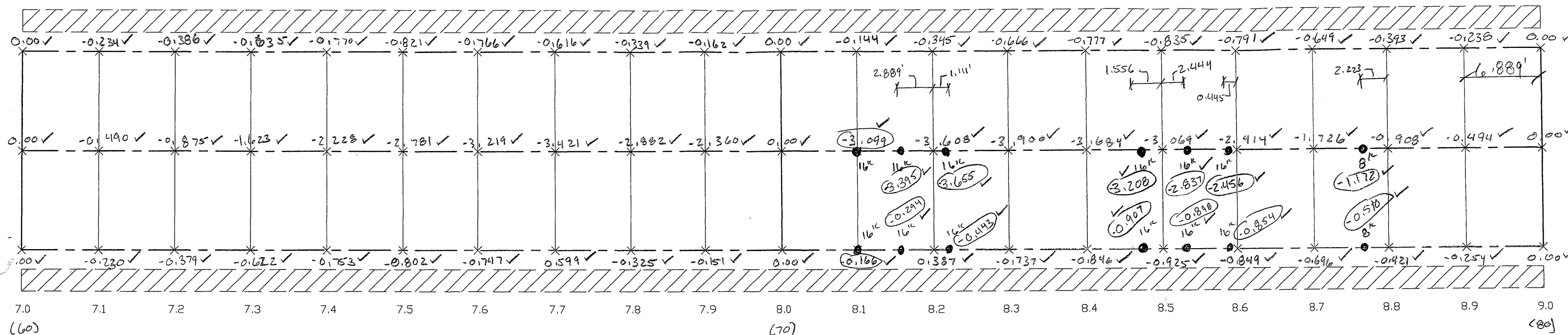
All Girders Loaded = 576.99 K-ft

G_2 DF = 1.333

G_1 or G_3 DF = 0.667

by CM 2/18/10
✓ RAM 3/4/10

GIRDER 2 INFLUENCE SURFACE - MOMENT - POINT 70 - SPAN POINT 8.0



Standard A Truck

MDX Loads (D.F.=1.286)

Single Girder Loaded = -267.49 K-ft

All Girders Loaded = -374.15 K-ft

G₂ D.F.=1.333 (statics) ✓

G₁ or G₃ D.F.=0.667 ✓

LL+imp = 1.25 ✓

$$G_2 \text{ -original D.F.} = 1.286 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ axels}} [(8^k \cdot -1.172) + 16^k (-3.099 + -3.395 + -3.655 + -3.208 + -2.837 + -2.456)] = -247.4 \text{ K-ft}$$

Δ=8.1%

$$G_1 = 0.667 \cdot 1.25 \cdot \frac{1 \text{ wheel}}{2 \text{ axels}} [(8^k \cdot -0.510) + 16^k (-1.166 + -0.294 + -0.443 + -0.907 + -0.898 + 0.854)] = -25.5 \text{ K-ft}$$

$$G_2 \text{ static D.F.} = \frac{1.333}{1.286} \cdot -247.4 = -256.4 \text{ K-ft}$$

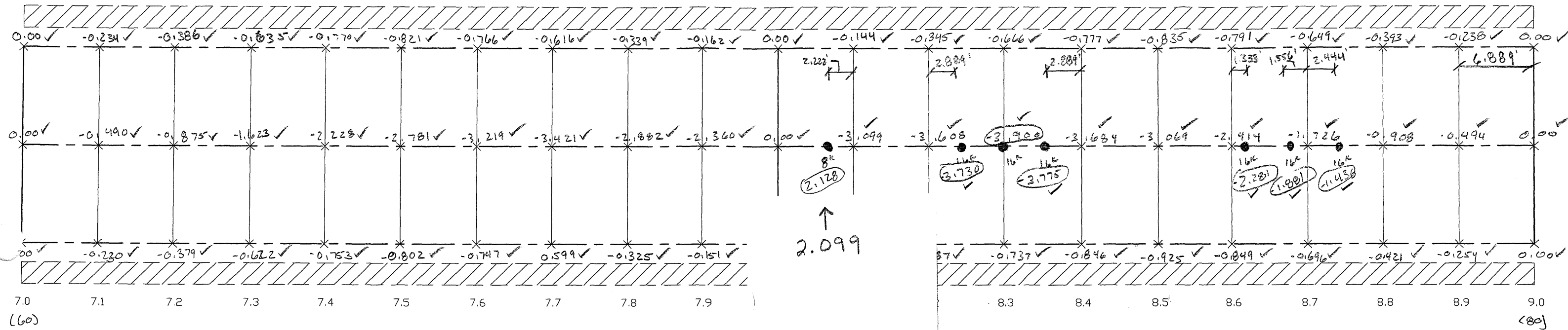
$$\frac{G_1}{G_2} = \frac{-25.5}{-256.4} = 10.0\%$$

$$G_1 + G_2 = -296.5 \text{ K-ft}$$

↑
25.5 K·FT

✓ RAM 3/4/10

GIRDER 2 INFLUENCE SURFACE - MOMENT - POINT 70 - SPAN POINT 8.0



Standard A Truck

MDX Loads (D.F = 1.286)

Single Girder Loaded = -267.49 K-ft

All Girders Loaded = -374.15 K-ft

G2 D.F = 1.333 (statics) ✓

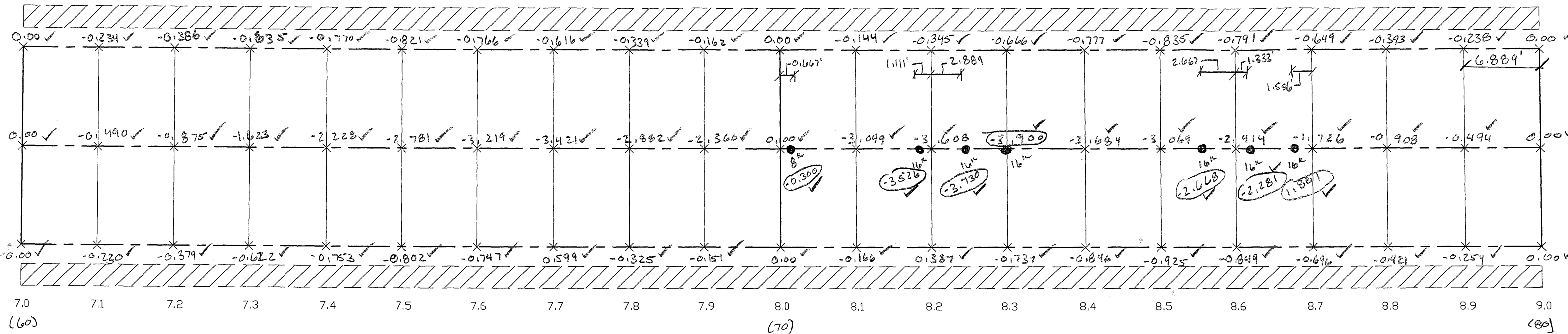
G1 or G3 D.F = 0.667 ✓

LL+imp = 1.25 ✓

$$G2\text{-original D.F} = 1.286 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} \left[(8^k \cdot -2.128) + 16^k \cdot (-3.730 + -3.900 + -3.775 + -2.281 + -1.881 + -1.436) \right] = -232.3 \text{ K-ft}$$

✓ RAM 3/4/10

GIRDER 2 INFLUENCE SURFACE - MOMENT - POINT 70 - SPAN POINT 8.0



Standard A Truck

MDX Loads (D.F.=1.286)

Single Girder Loaded = -267.49 k-ft

All Girders Loaded = -374.15 k-ft

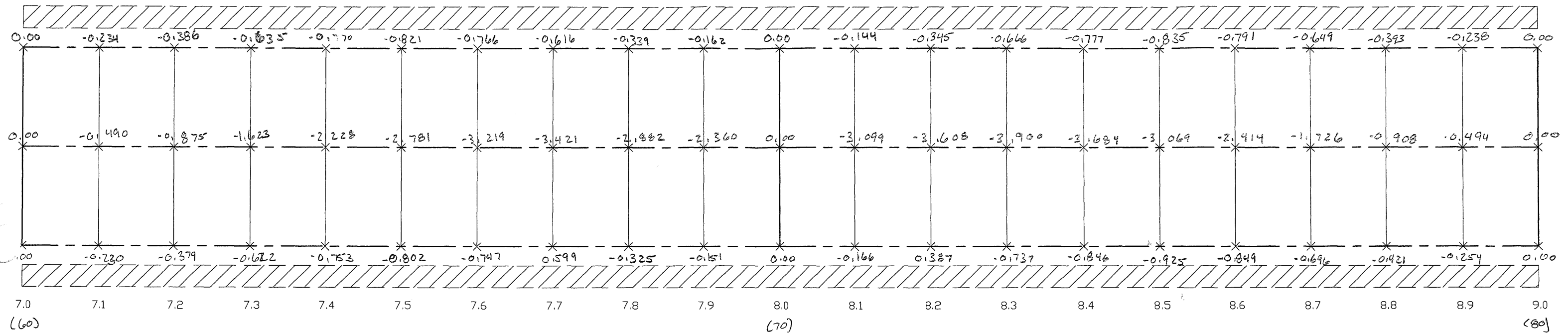
G2 D.F.=1.333 (statics) ✓

G1 or G3 D.F.=0.667 ✓

LL+imp = 1.25 ✓

$$\text{Girder 2 - original D.F.} = 1.286 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} [16'(-0.300) + 16'(-3.526 + -3.730 + -3.900 + -2.668 + -2.281 + -1.881)] = -233.2 \text{ k-ft}$$

GIRDER 2 INFLUENCE SURFACE - MOMENT - POINT 70 - SPAN POINT 8.0



Standard A Truck

MDX Loads (D.F. = 1.286)

Single Girder Loaded = -267.49 K-ft

All Girders Loaded = -374.15 K-ft

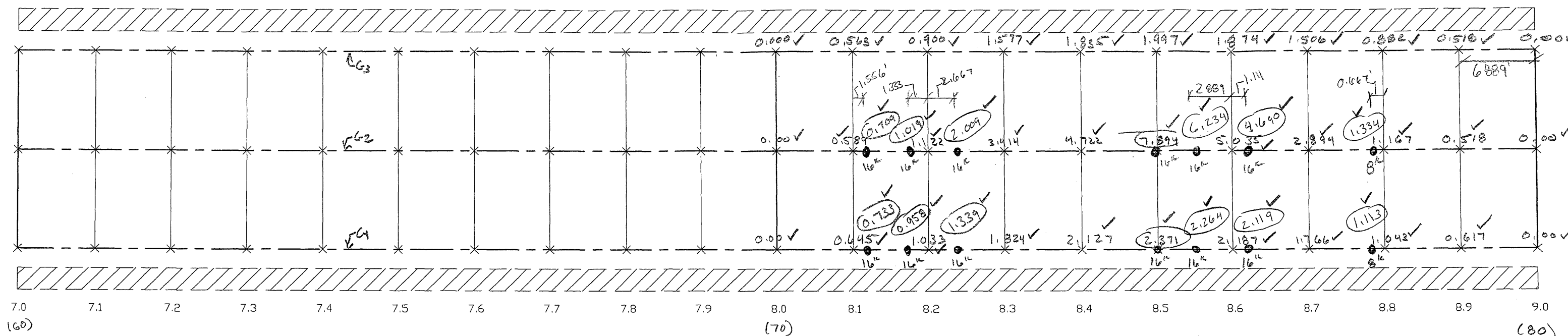
G₂ D.F. = 1.333 (statics)

G₁ or G₃ D.F. = 0.667

LL+imp = 1.25

by CSM 2/18/10
 ✓ RAM 3/4/10

GIRDER 2 INFLUENCE SURFACE - MOMENT - POINT 75 - SPAN POINT 8.5



Standard A truck
 MDX Loads (D.F. = 1.286)

Single Girder Loaded = 301.63 K-ft
 All Girders Loaded = 562.37 K-ft

G2 D.F. = 1.333 wheels (statics) ✓
 G1 or G3 = 2 - 1.333 = 0.667 wheels ✓
 LL + imp = 1.25 ✓

$$G_2 \text{ original} = 1.286 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} [(8^k \cdot 1.334) + 16^k (0.709 + 1.019 + 2.009 + 7.894 + 6.234 + 4.690)] = 298.6 \text{ K-ft} \quad (D=1.0\%)$$

$$G_2 \text{ Adjusted} = \frac{1.333}{1.286} \cdot 298.6 \text{ K-ft} = 309.54 \text{ K-ft}$$

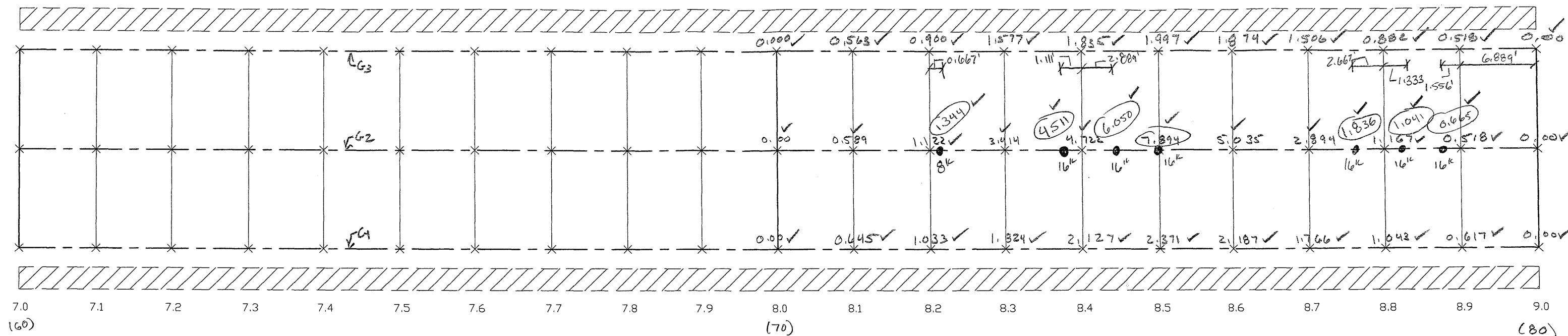
$$G_1 = 0.667 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} [(8^k \cdot 1.113) + 16^k (0.733 + 0.958 + 1.339 + 2.371 + 2.264 + 2.119)] = 69.0 \text{ K-ft}$$

$$\frac{G_1}{G_2} = \frac{69.0 \text{ K-ft}}{309.54 \text{ K-ft}} = 22.3\%$$

$$G_1 + G_2 = 378.54 \text{ K-ft} \quad \checkmark$$

✓ RAM 3/4/10

GIRDER 2 INFLUENCE SURFACE - MOMENT - POINT 75 - SPAN POINT 8.5



Standard A truck 1.286

MDX Loads (D.F. = 1.286)

Single Girder Loaded = 301.63 K-ft

All Girders Loaded = 562.37 K-ft

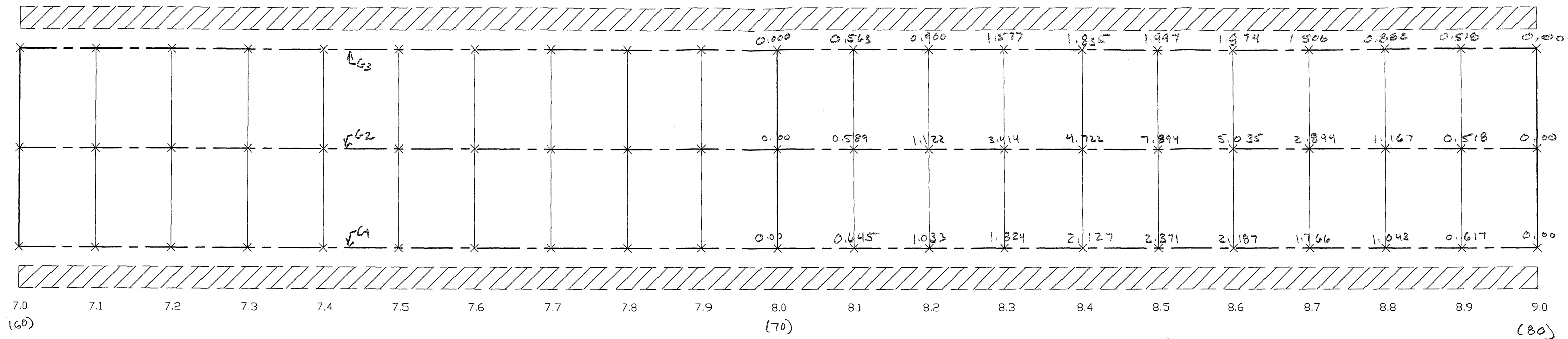
G2 D.F. = 1.333 wheels (statics) ✓

G1 or G3 = 2 - 1.333 = 2.667 wheels ✓

LL + imp = 1.25 ✓

$$G2\text{-original D.F.} = 1.286 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} [18^k \cdot 1.344 + 16^k (4.511 + 6.050 + 7.894 + 1.836 + 1.041 + 0.665)] = 2915 \text{ K-ft}$$

GIRDER 2 INFLUENCE SURFACE - MOMENT - POINT 75 - SPAN POINT 8.5



Standard A truck

MDX Loads (D.F.=1.278)

Single Girder Loaded = 301.63 K-ft

All Girders Loaded = 562.37 K-ft

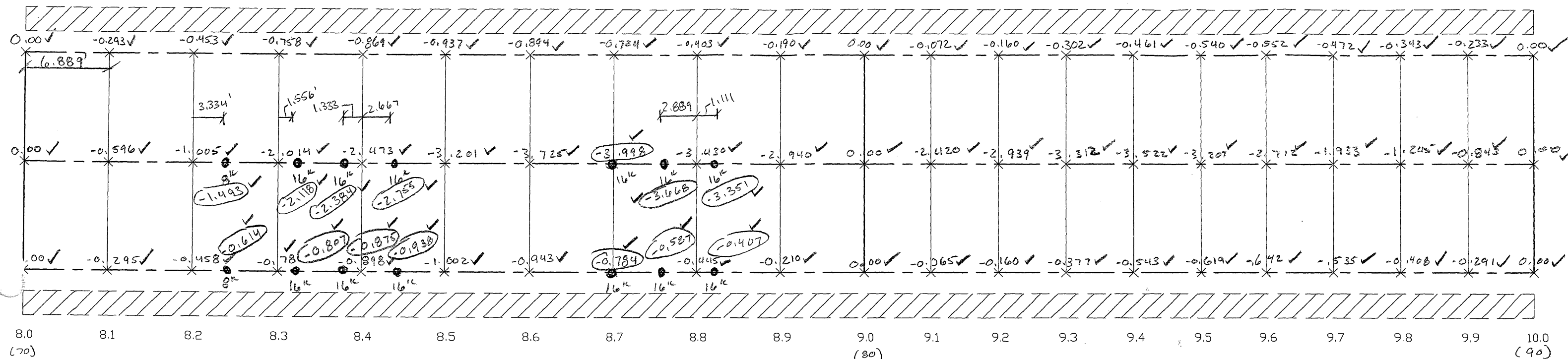
G2 D.F. = 1.333 wheels (statics)

G1 or G3 = 2 - 1.333 = 2.667 wheels

LL + imp = 1.25

by GJM 2/18/10
✓ RAM 3/4/10

GIRDER 2 INFLUENCE SURFACE - MOMENT - POINT 80 - SPAN POINT 9.0



Standard A Truck

MDX Loads (D.F.=1.286)

Single girder Loaded = -271.55 K-ft

All girders Loaded = -390.24 K-ft

G_2 D.F. = 1.333 (statics) ✓

$G_1 + G_3$ D.F. = 2 - 1.333 = 0.667 ✓

LL + Imp = 1.25 ✓

$$G_2 - \text{original D.F.} = 1.286 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} [(8^k \cdot -1.493) + 16^k (-2.118 + -2.384 + -2.755 + -3.998 + -3.668 + -3.351)] = -244.6 \text{ K-ft} \quad D = 11\%$$

$$G_2 - \text{adjusted D.F.} = \frac{1.333}{1.286} \cdot 244.6 = 253.5 \text{ K-ft}$$

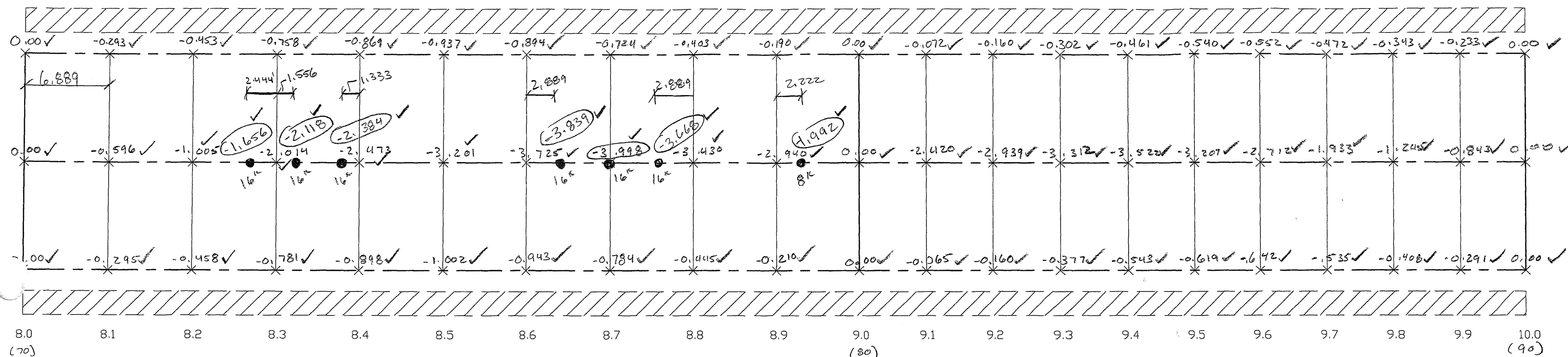
$$G_3 = 0.667 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} [(8^k \cdot -0.614) + 16^k (-0.807 + -0.875 + -0.938 + -0.784 + -0.587 + -0.407)] = -31.4 \text{ K-ft}$$

$$\frac{G_3}{G_2} = \frac{-31.4}{-253.5} = 12.4\%$$

$$G_3 + G_2 = -284.9 \text{ K-ft}$$

✓RAM 3/4/10

GIRDER 2 INFLUENCE SURFACE - MOMENT - POINT 80 - SPAN POINT 9.0



Standard A Truck

MDX Loads (D.F.=1.286)

Single girder Loaded = -271.55 K-ft

All girders Loaded = -390.24 K-ft

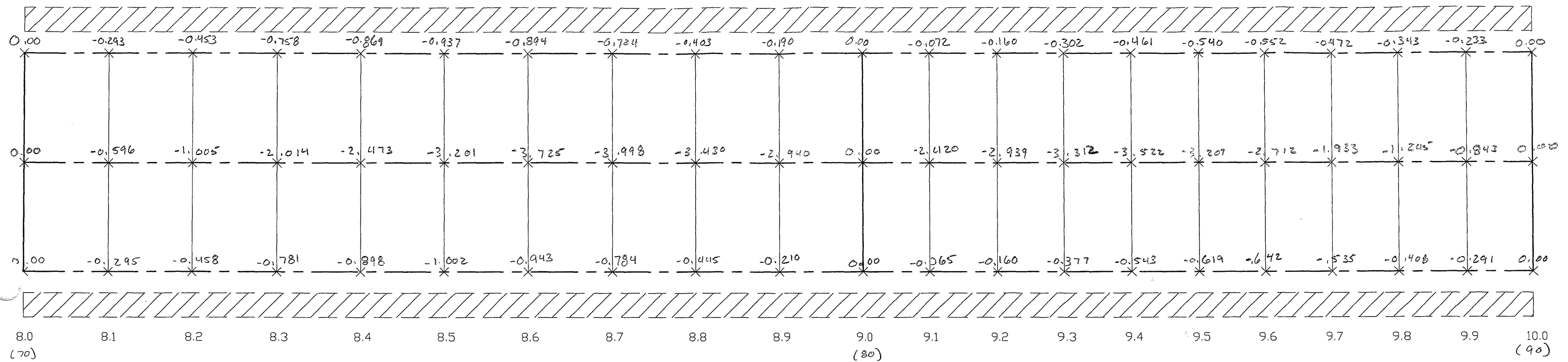
G₂ D.F. = 1.333 (statics) ✓

G₁+G₃ D.F. = 2 - 1.333 = 0.667 ✓

LL+Imp = 1.25 ✓

$$G_2 \text{ -original D.F.} = 1.286 \cdot 1.25 \cdot \frac{1 \text{ axle}}{2 \text{ wheels}} [(8^k \cdot -1.992) + 16^k (-1.656 + -2.118 + -2.384 + -3.839 + -3.998 + -3.668)] = -239.9 \text{ K-ft}$$

GIRDER 2 INFLUENCE SURFACE - MOMENT - POINT 80 - SPAN POINT 9.0



Standard A Truck

MDX Loads (D.F.=1.286)

Single girder Loaded = -271.55 K-ft

All girders Loaded = -390.24 K-ft

G_2 D.F. = 1.333 (statics)

$G_1 + G_3$ D.F. = $2 - 1.333 = 0.667$

LL + Imp = 1.25

MDX Input

MDX INPUT CHECKLIST

(Some commands vary by bridge)

By: CJM (9/11/09)

Define: Layout: Girders acting as stringers: No girders acting as stringers

Define: Layout: Partial fascia girders: No partial girders

Define: Layout: Pseudo supports: 0 pseudo supports

Define: Layout: Hinges: (varies by bridge, see calcs)

Define: Slab: Concrete properties: $f'_c = 4$ ksi, $w_c = 150$ pcf

Define: Slab: Slab overhang width: (varies by bridge, see calcs)

Define: Slab: Slab thickness: Uniform: Uniform slab structural + integral wearing thickness = (varies by bridge, see calcs) Slab integral wearing thickness of total portion of slab = (varies by bridge, see calcs)

Define: Slab: Effective slab width: Uniform all girders: Width = (varies by bridge, see calcs)

Define: Slab: Slab Haunches: Define Slab Haunches: Set width to top flange width: Specify thickness NOT including top flange: Uniform all girders: $t = 1 \frac{1}{2}$ " (AASHTO Standard)

Define: Slab: Slab Steel Reinforcement: Assume AASHTO minimum reinforcement

Define: Loading: Dead Load: Noncomposite Dead Load: Apply self weight: Specify Uniform Load by girder: Self weight in addition to Web, Flange and bracing members = (varies by bridge, see calcs): Uniform tributary slab width: (varies by bridge, see calcs): Concrete weight in addition to tributary slab width – Specify uniform load by girder: (varies by bridge, see calcs): No concentrated loads.

Define: Loading: Dead Load: Composite Dead Load: Only specify distributed load: Specify Uniform Load by Girder: (varies by bridge, see calcs)

Define: Loading: Live Load: Truck Loading: Standard Truck: Select Standard Truck: HS20
(permit trucks must be manually entered in the user interface.)

Define: Loading: Live Load: Lane Layout/Lateral Distribution: Specify Wheel Distribution Factors:
Distribution factors by girder: Uniform distribution factor by girder: (varies by bridge, see calcs)

Define: Loading: Live Load: Sidewalk Loading: No sidewalk

Define: Girder: Cross Section: Web Splices: (see excel sheets for locations): Do not define Bolted Web splices

Define: Girder: Cross Section: Web Depth: Define Depth for all Girders: (See excel sheets for locations and depth)

Define: Girder: Cross Section: Web Thickness: (see excel for thicknesses)

Define: Girder: Cross Section: Cover Plates: (see excel sheet for locations, widths and thicknesses): Cover plates are welded only

Define: Girder: Cross Section: Top flange width: (see excel sheets for width)

Define: Girder: Cross Section: Top flange thickness: (see excel sheets for thickness)

Define: Girder: Cross Section: Bottom flange width: (see excel sheets for width)

Define: Girder: Cross Section: Bottom flange thickness: (see excel sheets for thickness)

Define: Girder: Stiffeners: Bearing Stiffeners: 1 stiffener each side of web per support: Size = (varies by bridge, see calcs)

Define: Girder: Stiffeners: Intermediate Transverse Stiffeners: Intermediate stiffeners on one side of web for all girders: (see excel for stiffener locations: uniform width = 7": uniform thickness = $\frac{1}{2}$ ": connected to tension flange)

Define: Girder: Stiffeners: Longitudinal Web Stiffeners: No longitudinal web stiffeners

Define: Girder: Steel: Girder Steel: A36 Steel

Define: Girder: Steel: Girder Stiffener Steel: A36 Steel

Define: Bracing: Bracing Steel: A36 Steel

Define: Bracing: Bracing Group Characteristics: (varies by bridge, see plans)

Define: Bracing: Assign Bracing groups (varies by bridge, see plans)

Settings : Specification Settings: Exceptions to AASHTO specifications: Use AASHTO load factors: Limit strength to first yield: Perform 10.57 overload check: Use only LL shear range for required pitch: $K=0.75$ (Default, check cross bracing)

Settings : Specification Settings: Welding Specifications: AWS welding specification.

Settings: Specification Settings: Live Load Deflection Limit: $\Delta=L/800$ ($\Delta=L/1000$ for sidewalk)

Settings: Analysis Settings: Modeling settings: Grid Model: Low resolution mesh: Defined Hinges are present for all analysis

Settings: Analysis Settings: Sections Properties: Slab is composite with girders: Set modular Ratio According to AASHTO: Use triple modular ratio for composite Dead Load: Specify composite regions for using slab in stiffness analysis: (varies by bridge, see calcs): Include slab haunch moment of inertia in composite section properties: Assume slab positional on top flange regardless of thickness.

Settings: Analysis Settings: Apply live load + Impact: Determine impact fraction according to AASHTO: Apply impact t axel location: Average the spans straddling supports for reaction impact

Settings: Analysis settings: Slab pouring settings: Do not consider slab pouring sequence in analysis

Settings: Analysis Settings: Stress Check Settings: Check wet concrete stresses: Do not redistribute negative moment at pier if compact: Do not average bracing moment: (varies by bridge, see calcs): Wind bracing (varies by bridge, see plans)

Settings: Fatigue settings: Fatigue stress options: Ignore Fatigue

Settings: Output Settings: Output Units: Generate output in English units

Settings: Output Settings: Output table options: standard resolution output: linear interpolations:

Tabulate stresses up to the yield limit: Tabulate deflection in inches.

Settings: Output Settings: Analysis verification output: no verification output.

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BRIDGE 69801D
Girder System : Input File : Layout/Slab/Loading Definition

ID: BRIDGE 69801D

CONDITIONS

APPLY IMPACT AT AXLE LOCATION
AVERAGE SPANS FOR REACTION IMPACT
DISPLAY INFLUENCE SURFACES
ENGLISH INPUT
ENGLISH OUTPUT
GRID MODEL
HS20 LOADING
LFD METHOD
LOW RESOLUTION MESH
RATE MODE
RATING PROJECT
SELF WEIGHT FOR DEAD LOAD 1

DATA

BRINCD 1 75 2 76 3 77 4 78 5 79 6 80 7 81 8 82 9 83 10 84 11 85 12 86
13 87 14 88 15 89 16 90 17 91 18 92 19 93 20 94 21 95 22 96 23 97 24
98 25 99 26 100 27 101 28 102 29 103 30 104 31 105 32 106 33 107 34
108 35 109 36 110 37 111 38 112 39 113 40 114 41 115 42 116 43 117 44
118 45 119 46 120 47 121 48 122 49 123 50 124 51 125 52 126 53 127 54
128 55 129 56 130 57 131 58 132 59 133 60 134 61 135 62 136 63 137 64
138 65 139 66 140 67 141 68 142 69 143 70 144 71 145 72 146 73 147 74
148 75 149 76 150 77 151 78 152 79 153 80 154 81 155 82 156 83 157 84
158 85 159 86 160 87 161 88 162 89 163 90 164 91 165 92 166 93 167 94
168 95 169 96 170 97 171 98 172 99 173 100 174 101 175 102 176 103 177
104 178 105 179 106 180 107 181 108 182 109 183 110 184 111 185 112
186 113 187 114 188 115 189 116 190 117 191 118 192 119 193 120 194
121 195 122 196 123 197 124 198 125 199 126 200 127 201 128 202 129
203 130 204 131 205 132 206 133 207 134 208 135 209 136 210 137 211
138 212 139 213 140 214 141 215 142 216 143 217 144 218 145 219 146
220 147 221 148 222

FPC 4.

GCD-1 244542.4375 98105.6172 244548.2656 98107.0391 244559.5156
98109.7891 244570.6875 98112.5234 244581.8594 98115.25 244593.0312
98117.9844 244604.2031 98120.7188 244614.7656 98123.2969 244625.1094
98125.8281 244635.4688 98128.3594 244645.8281 98130.8906 244656.1875
98133.4219 244666.5312 98135.9531 244676.8906 98138.4844 244684.7344
98140.4062 244693.2344 98142.4844 244701.7344 98144.5625 244710.2344
98146.6406 244718.7344 98148.7188 244727.2344 98150.7969 244735.7344
98152.875 244744.2344 98154.9531 244755.7344 98157.7578 244767.3906
98160.6094 244779.0469 98163.4609 244790.7031 98166.3125 244802.3594
98169.1562 244812.4688 98171.6328 244827.9844 98175.4297 244843.9688
98179.3281 244859.9375 98183.2344 244875.9062 98187.1406 244891.875
98191.0469 244907.8438 98194.9531 244923.8281 98198.8594 244933.0625
98201.1172 244948.0625 98204.7812 244963.0625 98208.4531 244978.0781
98212.1172 244994.7188 98216.1875 245011.375 98220.2578 245028.0312
98224.3359 245044.6875 98228.4062 245061.3125 98232.3984 245077.9844
98236.1562 245094.7188 98239.6641 245111.5156 98242.9219 245129.4688
98246.1094 245147.4688 98249.0156 245166.6406 98251.7812 245172.625
98252.5781 245186.7344 98254.3281 245200.0781 98255.8125 245213.4375
98257.1406 245226.2188 98258.2656 245239.5312 98259.2734 245252.7969
98260.1328 245266.0781 98260.8281 245279.3281 98261.375 245292.5938
98261.7578 245305.8281 98261.9922 245318.9844 98262.0703 245332.1562
98262. 245345.3281 98261.7656 245358.4844 98261.3906 245371.25
98260.875 245384.3281 98260.1953 245397.3906 98259.3672 245410.4531
98258.3906 245423.8281 98257.2266 245436.8438 98255.9453 245449.8281
98254.5156 245462.8125 98252.9375 245475.7656 98251.2109
GCD-2 244540.2969 98114.3594 244546.125 98115.7812 244557.375
98118.5312 244568.5469 98121.2656 244579.7188 98123.9922 244590.8906
98126.7266 244602.0625 98129.4609 244612.625 98132.0391 244622.9844
98134.5703 244633.3281 98137.1016 244643.6875 98139.6328 244654.0469
98142.1641 244664.4062 98144.6953 244674.75 98147.2266 244682.6094
98149.1484 244691.1094 98151.2266 244699.6094 98153.3047 244708.0938
98155.3828 244716.5938 98157.4609 244725.0938 98159.5391 244733.5938
98161.6172 244742.0938 98163.6953 244753.5938 98166.5 244765.25
98169.3516 244776.9062 98172.2031 244788.5625 98175.0547 244800.2188
98177.9063 244810.3438 98180.375 244825.8438 98184.1719 244841.75
98188.0547 244857.7188 98191.9609 244873.7031 98195.8672 244889.6719
98199.7734 244905.7188 98203.6953 244921.7031 98207.6016 244930.9219
98209.8594 244945.9219 98213.5234 244960.9375 98217.1953 244975.9375
98220.8594 244992.5938 98224.9297 245009.25 98229.0078 245025.9062
98233.0781 245042.5469 98237.1484 245059.2969 98241.1719 245076.1094
98244.9609 245092.9688 98248.4922 245109.8594 98251.7656 245127.9688
98254.9844 245146.1094 98257.9141 245164.3125 98260.5469 245170.2969

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98261.3516 245184.8906 98263.1719 245198.375 98264.6797 245211.8906
98266.0312 245224.5312 98267.1562 245237.9844 98268.1875 245251.3906
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98270.7422 245304.9844 98270.9844 245318.2969 98271.0703 245331.625
98271.245344.9375 98270.7812 245358.2344 98270.3984 245371.3125
98269.8828 245384.5469 98269.1953 245397.75 98268.3672 245410.9531
98267.375 245424.3125 98266.2266 245437.4688 98264.9297 245450.6094
98263.4844 245463.7344 98261.8906 245476.8438 98260.1484
GCD-3 244538.1719 98123.1016 244544. 98124.5234 244555.25 98127.2734
244566.4219 98130.0078 244577.5781 98132.7344 244588.75 98135.4688
244599.9219 98138.2031 244610.4844 98140.7812 244620.8438 98143.3125
244631.2031 98145.8438 244641.5469 98148.375 244651.9062 98150.9062
244662.2656 98153.4375 244672.6094 98155.9688 244680.4688 98157.8906
244688.9688 98159.9688 244697.4688 98162.0469 244705.9688 98164.125
244714.4688 98166.2031 244722.9688 98168.2812 244731.4688 98170.3594
244739.9688 98172.4375 244751.4531 98175.2422 244763.1094 98178.0938
244774.7656 98180.9453 244786.4219 98183.7969 244798.0781 98186.6484
244808.2031 98189.1172 244823.7031 98192.9141 244839.5312 98196.7812
244855.5156 98200.6875 244871.4844 98204.5938 244887.4844 98208.5
244903.5938 98212.4375 244919.5781 98216.3516 244928.7812 98218.6016
244943.7812 98222.2656 244958.7969 98225.9375 244973.7969 98229.6016
244990.4531 98233.6719 245007.1094 98237.75 245023.7656 98241.8203
245040.4219 98245.8906 245057.1875 98249.9219 245074.1094 98253.7344
245091.1875 98257.3125 245108.2188 98260.6172 245126.4688 98263.8594
245144.75 98266.8125 245161.9844 98269.3125 245167.9688 98270.1172
245183.0312 98272.0078 245196.6719 98273.5547 245210.3281 98274.9297
245222.8281 98276.0469 245236.4375 98277.1016 245249.9688 98277.9922
245263.5312 98278.7266 245277.0938 98279.3047 245290.6562 98279.7188
245304.1719 98279.9766 245317.625 98280.0703 245331.0781 98280.0078
245344.5469 98279.7891 245358. 98279.4141 245371.3906 98278.8828
245384.75 98278.2031 245398.1094 98277.3594 245411.4531 98276.3672
245424.7969 98275.2188 245438.1094 98273.9141 245451.3906 98272.4609
245464.6562 98270.8516 245477.9062 98269.0859

HNG-1 267.47 134.75 245.199

HNG-2 267.47 134.75 245.011

HNG-3 267.47 134.75 244.824

IMP-1 0.05

IMP-2 0.05

IMP-3 0.05

ISP-1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

ISP-2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

ISP-3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

PRMITP 8. 16. 16. 16. 16. 16. 16.

PRMITSP 12. 4. 4. 18. 4. 4.

RAD-1 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

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✓ LDK 3/3/10

BRIDGE 69801D
Girder 1 : Input File : Definition

ID: BRIDGE 69801D

CONDITIONS

A36 STEEL
A36 STIFFENER STEEL
ASSUME SLAB ON FLANGE FOR SECTION PROPERTIES
AWS MINIMUM WELDS
ENGLISH INPUT
ENGLISH OUTPUT
FULL DEPTH CONNECTION PLATES
IGNORE CURVED COMPOSITE REGION RESTRICTION
IGNORE FATIGUE
IGNORE MOMENT SHIFTING
INCLUDE SLAB FILLER IN SECTION PROPERTIES
INTERMEDIATE TRANSVERSE STIFFENERS ONE SIDE OF WEB
LFD METHOD
LIMIT TO ELASTIC STRENGTH
LINEAR INTERPOLATION
RATE MODE
SINGLE BEARING STIFFENERS EACH SIDE
STANDARD RESOLUTION OUTPUT
SYSTEM FORCES

DATA

BCOVB 11. 11. 11. 11. 11. 11. 11.
BCOVSP 443.46 10. 56.581 12. 58.387 10. 103.779 13. 52.476 16. 50.903
14. 52.486 12.5
BCOVT 0.5 0.75 0.5 0.5 0.5625 0.625 0.5
BR 5.9903 11.5888 11.4947 11.5099 11.495 11.495 10.8825 10.648 10.6636
10.6632 10.6636 10.648 10.6636 8.0762 8.7503 8.7506 8.7503 8.7503
8.7503 8.7506 8.7503 11.8392 11.9965 11.9965 12.0124 11.9959 10.3976
15.9798 16.4492 16.4502 16.4346 16.4346 16.4346 16.4654 9.5032 15.4462
15.4312 15.4614 17.1402 17.1402 17.1405 17.1554 17.0873 17.101 17.1013
17.1055 18.2386 18.2348 19.3609 6.0328 14.2258 13.4193 13.4271 12.8414
13.3387 13.3039 13.2886 13.2731 13.2617 13.2331 13.1614 13.1682 13.18
13.158 12.7737 13.1067 13.0913 13.0938 13.4211 13.0869 13.0635 13.073
13.067
BSPL 53.58 20. 54.83 18. 11. 41.83 18. 11. 39.33 27.4044 17.25 46.1667
17.25 26.4796 245.1976
COMSPC 52.08 26.5 44.83 29. 41.33 25.5 46.246 20. 99.643 19. 31.08
20.25 48.081 27.5 47.387 18.5 37.344 15. 41.435 24. 39.476 27. 38.653
26.25 40.486 21.5
ESLABW 90.
FILLET 1.
FPC 4.
HINGE 267.47 134.75 245.199
IGIRD 1
LLDLIM 800
RAD 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
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1134.916 1134.916 1134.916 1134.916 1134.916 1134.916 1134.916
1134.916
SLABT 8.
SLABWEAR 0.5
SPL 267.57 134.2283 245.1976
SPLBFT 0.875 1.5 1. 1.5 1. 1.5 1.625 1. 0.875 1.25 1.75 2. 1.75 1.25
0.79 0.94
SPLBFW 14. 14. 14. 14. 14. 14. 14. 14. 14. 18. 18. 18. 18. 18. 12. 12.
SPLTFT 0.75 1. 1.5 1. 0.75 1. 1.5 1. 1.25 1.625 1. 0.875 1.125 1.25
1.125 0.79 0.94
SPLTFW 14. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14. 18. 18. 18. 12.
12.
SPLTST 0.5
SPLTSW 7.
SPLWT 0.375 0.4375 0.6 0.625

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SPN 63.5737 74.8325 69.3288 70.2381 114.6484 55.842 68.5763 68.3951
55.8343 59.9464 66.4659 65.9008 65.4866 52.2904

SS 1.

STFGAP 0.

SUPBST 0.5 0.625 0.75 0.75 0.75 0.75 0.5 0.625 0.625 0.5
0.625 0.625 0.625 0.625 0.5

SUPBSW 7.

TCOVB 11. 11. 11. 11. 11. 11. 11.

TCOVSP 443.46 10. 56.581 12. 58.387 10. 103.779 13. 52.476 16. 50.903

14. 52.4858 12.5

TCOVT 0.5 0.75 0.5 0.5 0.5625 0.625 0.5

TSLABW 98.

TSPL 42.58 11. 20. 11. 32.83 11. 18.024 41.83 11. 18. 11. 39.33 44.654
46.1665 43.7298 245.1976

TSPP 72. 48. 48. 42.96 45. 45. 48. 45. 45. 48. 45. 45. 48. 45. 45. 90.

42. 46.44 42. 42. 43.92 42. 42. 43.92 42. 42. 43.92 42. 42. 43.92 42.

42. 43.92 42. 42. 73.92 30. 36.96 36. 36. 33. 36. 36. 33. 36. 36. 33.

36. 36. 33. 36. 36. 33. 36. 36. 33. 36. 36. 81. 48. 45.96 48. 48. 48.

48. 48. 48. 48. 48. 48. 48. 48. 48. 42. 42. 100.99 60. 71.61 66. 66.

65.37 66. 66. 65.32 66. 66. 65.32 66. 66. 65.32 66. 66. 65.3 66. 66.

101.42 36. 41.97 185.38 185.38 391.07 205.75 205.75 410.87 205.13

205.12 424.13 218.88 304.94 170.58 161.14 160.95 314.17 159.64 159.47

159.29 318.08 157.75 158.12 158.13 311.27 157.12 157.13 157.12 318.02

156.88 156.88

WCONC 150.

WEBSP 264.07 1.5 132.47 2.67 550.65

WEBV 48. 48. 66. 66. 34.02 34.02

WSTRES 18.

GO

✓CDK 3/3/10

BRIDGE 69801D
Girder 2 : Input File : Definition

ID: BRIDGE 69801D

CONDITIONS

A36 STEEL
A36 STIFFENER STEEL
ASSUME SLAB ON FLANGE FOR SECTION PROPERTIES
AWS MINIMUM WELDS
ENGLISH INPUT
ENGLISH OUTPUT
FULL DEPTH CONNECTION PLATES
IGNORE CURVED COMPOSITE REGION RESTRICTION
IGNORE FATIGUE
IGNORE MOMENT SHIFTING
INCLUDE SLAB FILLER IN SECTION PROPERTIES
INTERMEDIATE TRANSVERSE STIFFENERS BOTH SIDES OF WEB
LFD METHOD
LIMIT TO ELASTIC STRENGTH
LINEAR INTERPOLATION
RATE MODE
SINGLE BEARING STIFFENERS EACH SIDE
STANDARD RESOLUTION OUTPUT
SYSTEM FORCES

DATA

BCOVB 11. 11. 11. 11. 11. 11. 11.
BCOVSP 443.46 10. 56.581 14. 56.8928 10. 103.7362 13. 53.203 16.
51.629 14. 53.212 12.5
BCOVT 0.5 0.625 0.5 0.5 0.5625 0.625 0.5
BR 5.9903 11.5884 11.495 11.4944 11.5106 11.495 10.8825 10.6636 10.648
10.6632 10.6636 10.6632 10.648 8.0918 8.7506 8.7503 8.735 8.7503
8.7503 8.7503 8.7506 11.8389 11.9969 11.9965 11.9965 12.0124 10.4122
15.9646 16.371 16.4346 16.4654 16.4346 16.5128 16.4654 9.488 15.4462
15.4465 15.4462 17.1398 17.1564 17.1398 17.1402 17.2284 17.2263
17.2263 17.1992 18.395 18.3754 18.392 6.0483 14.7101 13.5598 13.5831
12.6995 13.4789 13.4446 13.428 13.4305 13.4161 13.3591 13.3022 13.3423
13.3038 13.302 13.0894 13.2507 13.2337 13.2388 13.4164 13.2188 13.2094
13.2329 13.213
BSPL 53.58 20. 54.83 18. 11. 41.83 18. 11. 39.33 27.4044 17.25 46.1667
17.25 26.4796 245.0105
COMSPC 52.08 26.5 44.83 29. 41.33 25.5 46.246 20. 99.643 19. 31.08
20.25 48.081 27.5 47.893 18. 38.151 14. 42.085 24. 40.203 26.75 40.129
26.25 40.212 22.5
ESLABW 90.
FILLET 1.
FPC 4.
HINGE 267.47 134.75 245.011
IGIRD 2
LLDLIM 800
RAD 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
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0. 0. 0. 0. 1143.916 1143.916 1143.916 1143.916 1143.916 1143.916
1143.916 1143.916 1143.916 1143.916 1143.916 1143.916 1143.916
1143.916 1143.916 1143.916 1143.916 1143.916 1143.916 1143.916
1143.916 1143.916 1143.916 1143.916 1143.916 1143.916 1143.916
1143.916 1143.916 1143.916 1143.916 1143.916 1143.916 1143.916
1143.916 1143.916 1143.916 1143.916 1143.916 1143.916 1143.916
1143.916 1143.916 1143.916 1143.916 1143.916 1143.916 1143.916
1143.916 1143.916 1143.916 1143.916 1143.916 1143.916 1143.916
1143.916
SLABT 8.
SLABWEAR 0.5
SPL 267.57 134.2285 245.0105
SPLBFT 0.875 1.5 1. 1.5 1. 1.5 1.625 1. 0.875 1.25 1.75 2. 1.75 1.25
0.79 0.94
SPLBFW 14. 14. 14. 14. 14. 14. 14. 14. 14. 18. 18. 18. 18. 18. 12. 12.
SPLTFT 0.75 1. 1.5 1. 0.75 1. 1.5 1. 1.25 1.625 1. 0.875 1.125 1.25
1.125 0.79 0.94
SPLTFW 14. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14. 18. 18. 18. 12.
12.
SPLTST 0.5
SPLTSW 7.
SPLWT 0.375 0.4375 0.6 0.625

✓COK 3/3/10

SPN 63.5737 74.8322 69.3292 70.2533 114.6484 55.8268 68.5762 68.8801
55.1624 60.6007 67.1983 66.6094 66.229 52.874

SS 1.

STFGAP 0.

SUPBST 0.5 0.625 0.75 0.75 0.75 0.75 0.5 0.625 0.5 0.5
0.625 0.625 0.625 0.625 0.5

SUPBSW 7.

TCOVB 11. 11. 11. 11. 11. 11. 11.

TCOVSP 443.46 10. 56.581 14. 56.893 10. 103.736 13. 53.203 16. 51.629
14. 53.2121 12.5

TCOVT 0.5 0.625 0.5 0.5 0.5625 0.625 0.5

TSLABW 108.

TSPL 42.58 11. 20. 11. 32.83 11. 18.024 41.83 11. 18. 11. 39.33 44.654
46.1665 43.7298 245.0105

TSSP 72. 48. 48. 42.96 45. 45. 48. 45. 45. 48. 45. 45. 48. 45. 45. 90.

42. 46.44 42. 42. 43.92 42. 42. 43.92 42. 42. 43.92 42. 42. 43.92 42.

42. 43.92 42. 42. 73.92 30. 36.96 36. 36. 33. 36. 36. 33. 36. 36. 33.

36. 36. 33. 36. 36. 33. 36. 36. 33. 36. 36. 81. 48. 45.96 48. 48. 48.

48. 48. 48. 48. 48. 48. 48. 48. 42. 42. 100.99 60. 71.61 66. 66.

65.37 66. 66. 65.32 66. 66. 65.32 66. 66. 65.32 66. 66. 65.3 66. 66.

101.42 36. 41.97 185.38 185.38 391.07 205.75 205.75 412.43 206.69

206.69 427.25 220.62 293.13 176.38 162.94 162.85 314.23 161.26 161.17

161.08 321.42 159.81 159.81 159.81 316.8 158.87 158.88 158.87 319.55

158.63 158.63

WCONC 150.

WEBSP 264.07 1.5 132.47 2.67 553.89

WEBV 48. 48. 66. 66. 34.02 34.02

WSTRES 18.

GO

BRIDGE 69801D
Girder 3 : Input File : Definition

✓ CDK 3/3/10

ID: BRIDGE 69801D

CONDITIONS

A36 STEEL
A36 STIFFENER STEEL
ASSUME SLAB ON FLANGE FOR SECTION PROPERTIES
AWS MINIMUM WELDS
ENGLISH INPUT
ENGLISH OUTPUT
FULL DEPTH CONNECTION PLATES
IGNORE CURVED COMPOSITE REGION RESTRICTION
IGNORE FATIGUE
IGNORE MOMENT SHIFTING
INCLUDE SLAB FILLER IN SECTION PROPERTIES
INTERMEDIATE TRANSVERSE STIFFENERS ONE SIDE OF WEB
LFD METHOD
LIMIT TO ELASTIC STRENGTH
LINEAR INTERPOLATION
RATE MODE
SINGLE BEARING STIFFENERS EACH SIDE
STANDARD RESOLUTION OUTPUT
SYSTEM FORCES

DATA

BCOVB 11. 11. 11. 11. 11. 11. 11.
BCOVSP 443.46 10. 56.581 12. 59.392 10. 103.699 13. 53.93 16. 52.356
14. 53.9383 12.5
BCOVT 0.5 0.75 0.5 0.5 0.5625 0.625 0.5
BR 6.0059 11.5884 11.495 11.4791 11.5106 11.4947 10.8829 10.6632
10.6636 10.648 10.6632 10.6636 10.648 8.0918 8.7503 8.7506 8.7503
8.7503 8.7503 8.7506 8.7503 11.8236 11.9965 11.9969 11.9965 12.0124
10.4118 15.9646 16.2932 16.4498 16.4346 16.481 16.5754 16.4664 9.4717
15.4303 15.4624 15.4462 17.1398 17.1561 17.1402 17.1554 17.2443
17.3359 17.4454 17.3557 18.5356 18.5161 17.423 6.0327 15.1787 13.7308
13.7235 12.5581 13.6506 13.5536 13.5847 13.5698 13.5732 13.5149
13.4591 13.4521 13.4624 13.4578 13.4088 13.3755 13.3795 13.3801
13.4012 13.3768 13.3533 13.3627 13.376
BSPL 53.58 20. 54.83 18. 11. 41.83 18. 11. 39.33 27.4044 17.25 46.1667
17.25 26.4796 244.8235
COMSPC 52.08 26.5 44.83 29. 41.33 25.5 46.246 20. 99.643 19. 31.08
20.25 48.081 27.5 48.392 17.5 38.964 13. 42.235 24. 41.93 25.75 41.856
26.25 39.938 23.5
ESLABW 90.
FILLET 1.
FPC 4.
HINGE 267.47 134.75 244.824
IGIRD 3
LLDLIM 800
RAD 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
0. 0. 0. 0. 1152.916 1152.916 1152.916 1152.916 1152.916 1152.916
1152.916 1152.916 1152.916 1152.916 1152.916 1152.916 1152.916
1152.916 1152.916 1152.916 1152.916 1152.916 1152.916 1152.916
1152.916 1152.916 1152.916 1152.916 1152.916 1152.916 1152.916
1152.916 1152.916 1152.916 1152.916 1152.916 1152.916 1152.916
1152.916 1152.916 1152.916 1152.916 1152.916 1152.916 1152.916
1152.916 1152.916 1152.916 1152.916 1152.916 1152.916 1152.916
1152.916 1152.916 1152.916 1152.916 1152.916 1152.916 1152.916
1152.916
SLABT 8.
SLABWEAR 0.5
SPL 267.57 134.2287 244.8235
SPLBFT 0.875 1.5 1. 1.5 1. 1.5 1.625 1. 0.875 1.25 1.75 2. 1.75 1.25
0.79 0.94
SPLBFW 14. 14. 14. 14. 14. 14. 14. 14. 14. 18. 18. 18. 18. 18. 12. 12.
SPLTFT 0.75 1. 1.5 1. 0.75 1. 1.5 1. 1.25 1.625 1. 0.875 1.125 1.25
1.125 0.79 0.94
SPLTFW 14. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14. 18. 18. 18. 12.
12.
SPLTST 0.5
SPLTSW 7.
SPLWT 0.375 0.4375 0.6 0.625

✓CDK3/3/10

SPN 63.5737 74.8325 69.3444 70.2378 114.6649 55.8106 68.5915 69.3813
54.4747 61.2238 67.9318 67.3463 66.9451 53.469

SS 1.

STFGAP 0.

SUPBST 0.5 0.625 0.75 0.75 0.75 0.75 0.5 0.625 0.625 0.5
0.625 0.625 0.625 0.625 0.5

SUPBSW 7.

TCOVB 11. 11. 11. 11. 11. 11. 11.

TCOVSP 443.46 10. 56.581 12. 59.392 10. 103.699 13. 53.93 16. 52.356
14. 53.9383 12.5

TCOVT 0.5 0.75 0.5 0.5 0.5625 0.625 0.5

TSLABW 98.

TSPL 42.58 11. 20. 11. 32.83 11. 18.024 41.83 11. 18. 11. 39.33 44.654
46.1665 43.7298 244.8235

TSSP 72. 48. 48. 42.96 45. 45. 48. 45. 45. 48. 45. 45. 48. 45. 45. 90.

42. 46.44 42. 42. 43.92 42. 42. 43.92 42. 42. 43.92 42. 42. 43.92 42.

42. 43.92 42. 42. 73.92 30. 36.96 36. 36. 33. 36. 36. 33. 36. 36. 33.

36. 36. 33. 36. 36. 33. 36. 36. 33. 36. 36. 81. 48. 45.96 48. 48. 48.

48. 48. 48. 48. 48. 48. 48. 48. 48. 42. 42. 100.99 60. 71.61 66. 66.

65.37 66. 66. 65.32 66. 66. 65.32 66. 66. 65.32 66. 66. 65.3 66. 66.

101.42 36. 41.97 185.38 185.38 391.07 205.75 205.75 412.68 208.19

209.43 430.51 222.38 281.38 182.17 164.75 164.75 314.28 162.88 162.88

162.88 325.04 161.49 161.5 161.5 322.33 160.62 160.62 160.62 321.07

160.38 160.37

WCONC 150.

WEBSP 264.07 1.5 132.47 2.67 557.12

WEBV 48. 48. 66. 66. 34.02 34.02

WSTRES 18.

GO

✓ 20K 3/3/10

BRIDGE 69801D
Bracing : Input File : Definition

ID: BRIDGE 69801D

CONDITIONS

A36 STEEL

CATEGORY B FATIGUE AT CONNECTIONS

DIAPHRAGM C15X33.9 FOR GROUP 1

DIAPHRAGM MC18X42.7 FOR GROUP 2

DIAPHRAGM W18X46 FOR GROUP 3

DIAPHRAGM W36X135 FOR GROUP 4

DIAPHRAGM W24X68 FOR GROUP 5

DIAPHRAGM W21X55 FOR GROUP 6

ENGLISH INPUT

ENGLISH OUTPUT

IGNORE FATIGUE

LFD METHOD

RATE MODE

TYPE D BRACING FOR GROUP 1

TYPE D BRACING FOR GROUP 2

TYPE D BRACING FOR GROUP 3

TYPE D BRACING FOR GROUP 4

TYPE D BRACING FOR GROUP 5

TYPE D BRACING FOR GROUP 6

DATA

BRL-1 9.0014 9.0014 8.9975 9.0014 9.0027 9.0014 9.0014 9.0014 9.0001
9.0014 9.0014 9.0014 8.9962 8.9975 8.9962 9.0001 8.9962 9.0014 9.0014
9.0014 8.9975 9.0014 8.9975 9.0014 9.0014 8.9988 9.0092 8.9962 9.0014
9.0045 9.0059 8.9991 8.9991 8.9962 8.9962 9.0014 9.0014 8.9962 9.0014
8.9975 9.0039 8.9962 9.0014 9.0022 9.0022 9. 8.9966 9.0009 9. 9.0698
9.0759 9.0348 9.0288 9.0248 9.0517 9.0482 9.0391 9.0438 9.0278 9.0379
9.0293 9.0274 9.0152 9.0243 9.01 9.0086 9.0016 9.0045 8.9983 9.0174
9.0023 8.9967 9.0011 9.0004

BRL-2 8.9975 8.9962 8.9962 8.9962 9.0014 9.0014 8.9975 9.0014 8.9975
8.9962 9.0014 8.9975 9.0014 9.0014 9.0014 8.9975 9.0014 8.9962 8.9962
8.9962 9.0001 8.9962 9.0014 8.9975 9.0014 9.0014 9.0014 8.9975 8.9975
9.0045 8.9991 9.0059 8.9977 8.9962 9.0078 9.0014 8.9988 9.0014 9.0014
9.0014 8.9975 9.0014 8.9962 8.9988 8.9983 8.9975 9.0035 9.0007 9.004
9.0681 9.0698 9.0286 9.0367 9.0329 9.0523 9.0441 9.043 9.0321 9.0391
9.0294 9.0302 9.026 9.0239 9.0127 9.0197 8.9996 9.0093 8.9969 9.0059
9.0027 9.0096 9.0118 9.0085 9.0042

GCONNDST 1. 1. 1. 1. 1. 1.

GRP-1 1 1 1 1 1 2 3 2 2 2 2 2 2 2 2 2 4 4 4 4 2 2 2 2 2 2 2 2 4 5 5 5 5
5 5 4 1
1 1 1 1 1 1 1

GRP-2 1 1 1 1 1 2 3 2 2 2 2 2 2 2 2 2 2 4 4 4 4 2 2 2 2 2 2 2 4 5 5 5 5
5 5 4 1
1 1 1 1 1 1 1

GRPHT 0. 0. 0. 0. 0. 0.

KCOL 0.75

GO

Gilder Service Leads

HS20 Service Loads

HS20 Loading

BRIDGE 69801D

Girder 1 : Rating Output : Governing Service Moment

Girder 1 Service Moment - k-ft

| Tenth Point | Location | Noncomp Dead | Comp Dead | Max LL+I | Min LL+I | Range |
|-------------|----------|--------------|-----------|----------|-----------|---------|
| 0 | 0.00 | 0.00 | 0.00 | 0.02 T | -0.01 T | 0.03 |
| 1 | 6.36 | 133.29 | 57.38 | 272.95 T | -50.15 T | 323.11 |
| 2 | 12.71 | 223.82 | 97.55 | 455.85 T | -97.73 T | 553.58 |
| 3 | 19.07 | 272.03 | 120.40 | 575.09 T | -144.36 T | 719.45 |
| 4 | 25.43 | 277.48 | 126.06 | 644.67 T | -187.34 T | 832.01 |
| 5 | 31.79 | 240.38 | 114.46 | 636.89 T | -228.26 T | 865.15 |
| 6 | 38.14 | 161.20 | 85.80 | 602.15 T | -266.45 T | 868.60 |
| Top flg.spl | 42.58 | 75.58 | 53.69 | 527.61 | -289.02 | 816.62 |
| 7 | 44.50 | 38.49 | 39.78 | 495.32 T | -298.79 T | 794.11 |
| 8 | 50.86 | -126.61 | -23.40 | 346.47 T | -328.40 T | 674.87 |
| Top flg.spl | 53.58 | -216.45 | -57.83 | 255.18 | -338.20 | 593.37 |
| Bot.flg.spl | 53.58 | -216.45 | -57.83 | 255.18 | -338.20 | 593.37 |
| 9 | 57.22 | -336.50 | -103.84 | 133.18 T | -351.29 T | 484.47 |
| 10 | 63.57 | -591.85 | -200.69 | 106.40 T | -444.71 L | 551.10 |
| 11 | 71.06 | -311.04 | -90.75 | 106.88 L | -242.46 T | 349.34 |
| Top flg.spl | 73.58 | -237.21 | -61.66 | 173.48 | -237.27 | 410.75 |
| Bot.flg.spl | 73.58 | -237.21 | -61.66 | 173.48 | -237.27 | 410.75 |
| 12 | 78.54 | -92.08 | -4.47 | 304.40 T | -227.07 T | 531.47 |
| Top flg.spl | 84.58 | 37.25 | 44.90 | 458.32 | -218.24 | 676.56 |
| 13 | 86.02 | 68.15 | 56.69 | 495.10 T | -216.13 T | 711.23 |
| 14 | 93.51 | 167.68 | 95.20 | 611.59 T | -191.94 T | 803.53 |
| 15 | 100.99 | 206.96 | 109.72 | 619.68 T | -164.67 T | 784.35 |
| 16 | 108.47 | 186.80 | 100.40 | 614.14 T | -180.42 T | 794.56 |
| 17 | 115.96 | 107.13 | 67.31 | 499.34 T | -204.74 T | 704.08 |
| Top flg.spl | 117.41 | 79.93 | 56.24 | 464.74 | -207.47 | 672.20 |
| 18 | 123.44 | -32.92 | 10.32 | 321.20 T | -218.77 T | 539.96 |
| Top flg.spl | 128.41 | -166.51 | -42.57 | 190.17 | -231.15 | 421.32 |
| Bot.flg.spl | 128.41 | -166.51 | -42.57 | 190.17 | -231.15 | 421.32 |
| 19 | 130.92 | -234.06 | -69.32 | 123.92 L | -237.41 T | 361.33 |
| 20 | 138.41 | -496.48 | -174.01 | 108.90 T | -437.35 L | 546.25 |
| 21 | 145.34 | -243.25 | -78.53 | 155.26 T | -325.43 T | 480.69 |
| Bot.flg.spl | 146.41 | -212.40 | -66.97 | 189.19 | -322.46 | 511.65 |
| Top flg.spl | 146.43 | -211.70 | -66.72 | 189.95 | -322.39 | 512.34 |
| 22 | 152.27 | -43.51 | -3.70 | 374.93 T | -306.19 T | 681.12 |
| Bot.flg.spl | 157.41 | 65.54 | 36.38 | 495.38 | -296.32 | 791.70 |
| 23 | 159.20 | 103.63 | 50.38 | 537.46 T | -292.87 T | 830.32 |
| 24 | 166.14 | 198.27 | 84.46 | 638.84 T | -268.88 T | 907.73 |
| 25 | 173.07 | 236.46 | 97.95 | 651.56 T | -229.81 T | 881.37 |
| 26 | 180.00 | 216.68 | 91.01 | 621.42 T | -240.11 T | 861.53 |
| 27 | 186.94 | 140.61 | 63.52 | 519.87 T | -262.52 T | 782.39 |
| Top flg.spl | 188.26 | 115.38 | 54.33 | 487.12 | -263.44 | 750.56 |
| 28 | 193.87 | 8.88 | 15.55 | 348.83 T | -267.33 T | 616.16 |
| Bot.flg.spl | 199.24 | -135.52 | -37.41 | 192.60 | -271.95 | 464.55 |
| Top flg.spl | 199.26 | -136.16 | -37.64 | 191.90 | -271.97 | 463.88 |
| 29 | 200.80 | -177.51 | -52.81 | 147.16 L | -273.29 T | 420.46 |
| 30 | 207.73 | -417.68 | -141.60 | 139.71 L | -420.67 L | 560.38 |
| 31 | 214.76 | -171.28 | -46.80 | 181.40 L | -287.74 T | 469.14 |
| Bot.flg.spl | 217.24 | -102.92 | -20.90 | 233.89 | -277.18 | 511.07 |
| Top flg.spl | 217.26 | -102.26 | -20.65 | 234.39 | -277.08 | 511.48 |
| 32 | 221.78 | 22.24 | 26.53 | 329.97 T | -257.86 T | 587.83 |
| Bot.flg.spl | 228.24 | 149.40 | 75.03 | 480.42 | -231.44 | 711.86 |
| Top flg.spl | 228.26 | 149.87 | 75.21 | 480.98 | -231.35 | 712.32 |
| 33 | 228.81 | 160.56 | 79.29 | 493.61 T | -229.13 T | 722.74 |
| 34 | 235.83 | 247.03 | 110.82 | 563.37 T | -197.63 T | 761.00 |
| 35 | 242.85 | 281.10 | 121.55 | 565.09 T | -163.23 T | 728.32 |
| 36 | 249.88 | 261.24 | 111.34 | 524.47 T | -120.82 T | 645.29 |
| 37 | 256.90 | 189.68 | 80.10 | 376.52 T | -76.23 T | 452.75 |
| 38 | 263.93 | 65.95 | 27.82 | 129.14 T | -26.05 T | 155.19 |
| Bot.flg.spl | 267.57 | 0.04 | 0.01 | -0.01 | 0.06 | -0.07 |
| Top flg.spl | 267.59 | 0.04 | 0.02 | -0.01 | 0.08 | -0.09 |
| 39 | 270.95 | -92.21 | -38.06 | 27.49 T | -159.74 T | 187.24 |
| 40 | 277.97 | -324.03 | -132.40 | 84.73 T | -488.67 T | 573.40 |
| 41 | 289.44 | 400.61 | 123.29 | 638.58 T | -493.78 T | 1132.36 |
| Bot.flg.spl | 294.97 | 676.53 | 220.50 | 845.10 | -493.50 | 1338.59 |

| | | | | | | | | |
|-------------|--------|---------|---------|---------|---|---------|---|---------|
| 42 | 300.90 | 971.97 | 324.59 | 1066.23 | T | -493.19 | T | 1559.42 |
| Bot.flg.spl | 312.22 | 1380.43 | 467.13 | 1364.20 | | -478.60 | | 1842.80 |
| Top flg.spl | 312.25 | 1381.29 | 467.43 | 1364.82 | | -478.57 | | 1843.39 |
| 43 | 312.37 | 1385.60 | 468.94 | 1367.97 | T | -478.41 | T | 1846.38 |
| 44 | 323.83 | 1640.55 | 557.03 | 1566.79 | T | -446.46 | T | 2013.25 |
| 45 | 335.30 | 1731.28 | 588.86 | 1606.89 | T | -398.28 | T | 2005.17 |
| 46 | 346.76 | 1661.00 | 564.58 | 1560.30 | T | -415.64 | T | 1975.94 |
| 47 | 358.23 | 1429.57 | 484.27 | 1379.58 | T | -443.58 | T | 1823.16 |
| Bot.flg.spl | 358.39 | 1423.93 | 482.32 | 1375.02 | | -443.67 | | 1818.70 |
| Top flg.spl | 358.41 | 1423.12 | 482.04 | 1374.37 | | -443.69 | | 1818.06 |
| 48 | 369.69 | 1035.06 | 347.93 | 1061.09 | T | -450.37 | T | 1511.45 |
| Bot.flg.spl | 375.64 | 750.00 | 248.03 | 817.21 | | -445.69 | | 1262.90 |
| 49 | 381.16 | 485.72 | 155.42 | 591.10 | T | -441.35 | T | 1032.46 |
| 50 | 392.62 | -217.07 | -90.37 | 77.85 | T | -424.64 | T | 502.49 |
| 51 | 398.21 | -74.59 | -31.75 | 32.11 | T | -174.50 | T | 206.61 |
| Bot.flg.spl | 402.12 | 0.01 | 0.00 | 0.02 | | 0.00 | | 0.02 |
| Top flg.spl | 402.14 | 0.01 | 0.00 | 0.01 | | 0.00 | | 0.02 |
| 52 | 403.79 | 28.39 | 12.13 | 74.68 | T | -12.59 | T | 87.28 |
| 53 | 409.37 | 102.47 | 44.19 | 269.06 | T | -54.83 | T | 323.89 |
| 54 | 414.96 | 144.05 | 62.97 | 383.88 | T | -97.40 | T | 481.28 |
| 55 | 420.54 | 124.52 | 54.66 | 375.02 | T | -135.42 | T | 510.44 |
| 56 | 426.13 | 102.02 | 46.86 | 369.30 | T | -170.38 | T | 539.68 |
| 57 | 431.71 | 47.70 | 25.76 | 348.23 | T | -205.34 | T | 553.57 |
| 58 | 437.30 | -39.75 | -8.53 | 221.22 | T | -233.61 | T | 454.83 |
| 59 | 442.88 | -159.58 | -56.19 | 122.76 | L | -264.75 | T | 387.50 |
| 60 | 448.46 | -314.01 | -115.97 | 86.86 | T | -324.99 | L | 411.86 |
| 61 | 455.32 | -111.04 | -31.17 | 100.56 | L | -164.91 | T | 265.47 |
| 62 | 462.18 | 42.77 | 33.59 | 314.21 | T | -155.50 | T | 469.71 |
| 63 | 469.04 | 153.41 | 76.05 | 451.22 | T | -145.30 | T | 596.52 |
| 64 | 475.89 | 210.22 | 100.73 | 538.13 | T | -128.63 | T | 666.77 |
| 65 | 482.75 | 218.69 | 105.51 | 573.23 | T | -152.92 | T | 726.15 |
| 66 | 489.61 | 177.32 | 90.29 | 552.42 | T | -184.86 | T | 737.28 |
| 67 | 496.47 | 87.96 | 55.04 | 478.11 | T | -217.63 | T | 695.74 |
| 68 | 503.32 | -50.12 | 0.07 | 309.42 | T | -243.43 | T | 552.85 |
| 69 | 510.18 | -237.43 | -74.96 | 143.71 | T | -265.51 | T | 409.23 |
| 70 | 517.04 | -478.48 | -168.28 | 77.63 | T | -375.16 | L | 452.78 |
| 71 | 523.88 | -250.68 | -77.23 | 85.66 | L | -222.36 | T | 308.02 |
| 72 | 530.72 | -72.35 | -6.11 | 300.41 | T | -206.67 | T | 507.07 |
| 73 | 537.56 | 65.52 | 47.84 | 422.86 | T | -188.06 | T | 610.92 |
| 74 | 544.40 | 147.86 | 79.74 | 518.12 | T | -161.61 | T | 679.73 |
| 75 | 551.24 | 182.18 | 91.86 | 555.20 | T | -139.15 | T | 694.35 |
| 76 | 558.08 | 170.18 | 85.57 | 513.32 | T | -156.82 | T | 670.15 |
| 77 | 564.92 | 110.46 | 59.35 | 439.46 | T | -180.99 | T | 620.46 |
| 78 | 571.76 | 2.60 | 13.89 | 268.96 | T | -199.08 | T | 468.04 |
| 79 | 578.60 | -153.09 | -51.23 | 112.93 | T | -216.97 | T | 329.91 |
| 80 | 585.43 | -361.36 | -133.99 | 85.58 | T | -348.50 | T | 434.08 |
| 81 | 591.02 | -196.69 | -67.65 | 97.57 | T | -249.82 | T | 347.39 |
| 82 | 596.60 | -64.61 | -14.59 | 248.96 | T | -224.46 | T | 473.42 |
| 83 | 602.19 | 34.89 | 25.19 | 378.61 | T | -205.09 | T | 583.70 |
| 84 | 607.77 | 109.30 | 48.63 | 447.81 | T | -181.44 | T | 629.25 |
| 85 | 613.35 | 145.91 | 62.32 | 475.70 | T | -156.18 | T | 631.88 |
| 86 | 618.94 | 150.72 | 62.74 | 496.62 | T | -172.57 | T | 669.19 |
| 87 | 624.52 | 123.57 | 50.42 | 442.50 | T | -207.24 | T | 649.74 |
| 88 | 630.10 | 65.28 | 25.14 | 367.03 | T | -239.35 | T | 606.38 |
| 89 | 635.69 | -24.81 | -13.41 | 262.28 | T | -271.51 | T | 533.79 |
| 90 | 641.27 | -147.40 | -61.47 | 72.11 | T | -304.35 | T | 376.47 |
| 91 | 647.26 | 0.22 | 0.07 | 1.96 | T | -1.72 | T | 3.68 |
| Bot.flg.spl | 647.32 | 0.02 | 0.01 | 0.04 | | -0.01 | | 0.05 |
| Top flg.spl | 647.34 | 0.01 | 0.01 | 0.03 | | -0.01 | | 0.04 |
| 92 | 653.26 | 108.23 | 45.82 | 249.17 | T | -42.38 | L | 291.55 |
| 93 | 659.25 | 180.13 | 76.58 | 404.54 | T | -85.03 | T | 489.57 |
| 94 | 665.25 | 187.91 | 81.09 | 469.28 | T | -123.02 | T | 592.30 |
| 95 | 671.24 | 185.71 | 81.84 | 494.05 | T | -157.90 | T | 651.94 |
| 96 | 677.24 | 146.24 | 67.67 | 480.00 | T | -190.84 | T | 670.84 |
| 97 | 683.23 | 69.71 | 38.48 | 416.35 | T | -219.79 | T | 636.15 |
| 98 | 689.23 | -44.60 | -5.95 | 282.86 | T | -248.43 | T | 531.29 |
| 99 | 695.22 | -197.48 | -65.73 | 128.04 | T | -276.01 | T | 404.05 |
| 100 | 701.22 | -391.03 | -139.42 | 85.65 | T | -334.76 | T | 420.41 |
| 101 | 707.86 | -184.33 | -56.10 | 82.41 | T | -173.68 | T | 256.08 |
| 102 | 714.51 | -20.46 | 9.78 | 261.44 | T | -165.75 | T | 427.18 |
| 103 | 721.16 | 91.77 | 55.08 | 410.32 | T | -150.53 | L | 560.84 |
| 104 | 727.80 | 159.34 | 80.14 | 501.26 | T | -135.71 | L | 636.97 |
| 105 | 734.45 | 180.87 | 88.68 | 520.10 | T | -131.17 | T | 651.28 |
| 106 | 741.10 | 156.23 | 78.41 | 510.03 | T | -163.01 | T | 673.04 |
| 107 | 747.74 | 86.96 | 50.41 | 431.48 | T | -186.42 | T | 617.90 |
| 108 | 754.39 | -29.39 | 5.13 | 289.39 | T | -209.96 | T | 499.36 |

Dummy
Spans

Bridge
69801D

Bridge
69801D

Dummy
Spans

| | | | | | | |
|-----|--------|---------|---------|----------|-----------|--------|
| 109 | 761.03 | -192.22 | -60.28 | 111.54 T | -227.07 T | 338.61 |
| 110 | 767.68 | -405.97 | -145.84 | 69.91 T | -345.97 T | 415.88 |
| 111 | 774.27 | -199.81 | -63.39 | 105.34 T | -230.32 T | 335.66 |
| 112 | 780.86 | -36.86 | 1.92 | 287.46 T | -210.27 L | 497.74 |
| 113 | 787.45 | 74.50 | 46.90 | 426.47 T | -186.24 T | 612.71 |
| 114 | 794.04 | 142.07 | 72.05 | 503.94 T | -162.31 T | 666.25 |
| 115 | 800.63 | 164.20 | 81.41 | 514.11 T | -134.43 T | 648.54 |
| 116 | 807.22 | 141.09 | 72.33 | 497.30 T | -154.69 T | 651.98 |
| 117 | 813.81 | 73.98 | 46.20 | 414.99 T | -174.57 T | 589.56 |
| 118 | 820.40 | -39.03 | 3.25 | 270.39 T | -194.61 T | 465.00 |
| 119 | 826.99 | -197.87 | -59.54 | 105.71 T | -209.45 T | 315.17 |
| 120 | 833.58 | -406.88 | -142.09 | 80.84 T | -344.88 T | 425.72 |
| 121 | 840.13 | -201.11 | -61.14 | 119.39 T | -250.73 T | 370.12 |
| 122 | 846.68 | -39.28 | 0.29 | 298.47 T | -232.54 T | 531.01 |
| 123 | 853.23 | 73.72 | 45.09 | 436.03 T | -205.65 T | 641.68 |
| 124 | 859.78 | 142.21 | 71.78 | 511.48 T | -178.91 T | 690.39 |
| 125 | 866.33 | 166.35 | 81.15 | 519.64 T | -143.09 T | 662.73 |
| 126 | 872.87 | 145.89 | 72.40 | 493.02 T | -150.99 T | 644.01 |
| 127 | 879.42 | 81.38 | 46.45 | 405.50 T | -165.85 T | 571.35 |
| 128 | 885.97 | -27.88 | 2.34 | 256.26 T | -181.12 T | 437.38 |
| 129 | 892.52 | -183.17 | -59.80 | 86.49 T | -192.31 T | 278.80 |
| 130 | 899.07 | -386.61 | -138.53 | 93.85 T | -335.65 T | 429.50 |
| 131 | 904.30 | -218.81 | -72.81 | 103.56 T | -267.10 T | 370.66 |
| 132 | 909.53 | -79.67 | -18.75 | 239.14 T | -241.85 L | 481.00 |
| 133 | 914.76 | 30.80 | 22.49 | 349.34 T | -219.64 T | 568.98 |
| 134 | 919.99 | 111.28 | 53.42 | 429.97 T | -194.09 L | 624.06 |
| 135 | 925.21 | 163.21 | 72.79 | 462.11 T | -168.75 T | 630.86 |
| 136 | 930.44 | 187.22 | 81.17 | 466.34 T | -137.37 T | 603.71 |
| 137 | 935.67 | 182.89 | 77.90 | 426.75 T | -106.04 T | 532.79 |
| 138 | 940.90 | 150.06 | 63.37 | 342.95 T | -72.29 T | 415.24 |
| 139 | 946.13 | 89.30 | 37.46 | 205.28 T | -36.13 T | 241.41 |
| 140 | 951.36 | 0.00 | 0.00 | 0.16 T | -0.17 T | 0.33 |

T - governed by truck loading
L - governed by lane loading

Range shown in this table not used for fatigue.

At Bracing

Brace No.

| | | | | | |
|----|--------|---------|---------|---------|---------|
| 2 | 5.99 | 125.60 | 54.06 | 257.19 | -47.26 |
| 3 | 17.58 | 260.71 | 115.03 | 547.09 | -133.41 |
| 4 | 29.07 | 256.21 | 119.41 | 640.21 | -210.80 |
| 5 | 40.58 | 114.11 | 68.14 | 561.16 | -278.86 |
| 6 | 52.08 | -166.88 | -38.83 | 305.55 | -332.79 |
| 7 | 63.57 | -591.85 | -200.69 | 106.40 | -444.71 |
| 8 | 74.46 | -211.58 | -51.55 | 196.60 | -235.47 |
| 9 | 85.10 | 48.47 | 49.18 | 471.68 | -217.47 |
| 10 | 95.77 | 179.55 | 99.58 | 614.04 | -183.70 |
| 11 | 106.43 | 192.30 | 102.94 | 615.65 | -176.12 |
| 12 | 117.09 | 85.83 | 58.65 | 472.25 | -206.87 |
| 13 | 127.74 | -148.57 | -35.47 | 207.76 | -229.48 |
| 14 | 138.41 | -496.48 | -174.01 | 108.90 | -437.35 |
| 15 | 146.48 | -210.31 | -66.19 | 191.49 | -322.26 |
| 16 | 155.23 | 19.32 | 19.40 | 444.34 | -300.50 |
| 17 | 163.98 | 168.86 | 73.87 | 607.34 | -276.33 |
| 18 | 172.73 | 234.61 | 97.30 | 650.94 | -231.71 |
| 19 | 181.48 | 200.44 | 85.14 | 599.73 | -244.90 |
| 20 | 190.23 | 77.95 | 40.70 | 438.51 | -264.81 |
| 21 | 198.98 | -128.65 | -34.89 | 200.02 | -271.73 |
| 22 | 207.73 | -417.68 | -141.60 | 139.71 | -420.67 |
| 23 | 219.57 | -38.60 | 3.47 | 283.26 | -267.25 |
| 24 | 231.57 | 194.59 | 91.70 | 521.07 | -216.73 |
| 25 | 243.57 | 279.08 | 120.52 | 560.96 | -158.92 |
| 26 | 255.58 | 203.15 | 85.98 | 404.37 | -84.62 |
| 27 | 267.58 | 0.04 | 0.02 | -0.01 | 0.06 |
| 28 | 277.97 | -324.03 | -132.40 | 84.73 | -488.67 |
| 29 | 293.95 | 625.63 | 202.57 | 807.00 | -493.55 |
| 30 | 310.40 | 1314.69 | 444.19 | 1316.25 | -480.95 |
| 31 | 326.85 | 1664.45 | 565.42 | 1577.35 | -433.77 |
| 32 | 343.29 | 1682.30 | 571.94 | 1574.42 | -410.38 |

| | | | | | |
|----|--------|---------|---------|---------|---------|
| 33 | 359.72 | 1378.14 | 466.50 | 1338.06 | -444.46 |
| 34 | 376.16 | 725.32 | 239.38 | 796.09 | -445.29 |
| 35 | 392.62 | -217.07 | -90.37 | 77.85 | -424.64 |
| 36 | 402.12 | 0.01 | 0.00 | 0.02 | 0.00 |
| 37 | 417.57 | 134.91 | 59.08 | 379.73 | -115.19 |
| 38 | 433.00 | 27.47 | 17.83 | 318.86 | -211.88 |
| 39 | 448.46 | -314.01 | -115.97 | 86.87 | -324.99 |
| 40 | 465.60 | 98.03 | 54.80 | 382.64 | -150.41 |
| 41 | 482.74 | 218.68 | 105.50 | 573.20 | -152.89 |
| 42 | 499.88 | 19.15 | 27.64 | 394.04 | -230.49 |
| 43 | 517.04 | -478.48 | -168.28 | 77.63 | -375.16 |
| 44 | 534.13 | -3.65 | 20.78 | 361.43 | -197.39 |
| 45 | 551.23 | 182.13 | 91.85 | 555.15 | -139.18 |
| 46 | 568.33 | 56.63 | 36.66 | 354.38 | -190.02 |
| 47 | 585.43 | -361.35 | -133.99 | 85.58 | -348.50 |
| 48 | 603.67 | 54.72 | 31.44 | 397.06 | -198.79 |
| 49 | 621.91 | 136.26 | 56.18 | 467.80 | -191.03 |
| 50 | 641.27 | -147.40 | -61.47 | 72.12 | -304.35 |
| 51 | 647.30 | 0.02 | 0.01 | 0.05 | -0.01 |
| 52 | 661.53 | 183.08 | 78.29 | 429.11 | -99.44 |
| 53 | 674.95 | 161.32 | 73.08 | 485.37 | -178.25 |
| 54 | 688.37 | -28.35 | 0.37 | 301.84 | -244.36 |
| 55 | 701.22 | -391.03 | -139.42 | 85.65 | -334.76 |
| 56 | 714.55 | -19.69 | 10.09 | 262.46 | -165.64 |
| 57 | 727.86 | 159.52 | 80.21 | 501.42 | -135.67 |
| 58 | 741.15 | 155.69 | 78.19 | 509.42 | -163.19 |
| 59 | 754.42 | -30.16 | 4.82 | 288.54 | -210.05 |
| 60 | 767.68 | -405.97 | -145.84 | 69.91 | -345.97 |
| 61 | 780.91 | -35.96 | 2.29 | 288.58 | -210.08 |
| 62 | 794.08 | 142.18 | 72.10 | 504.00 | -162.16 |
| 63 | 807.24 | 140.86 | 72.24 | 497.02 | -154.75 |
| 64 | 820.42 | -39.56 | 3.04 | 269.83 | -194.66 |
| 65 | 833.58 | -406.88 | -142.09 | 80.84 | -344.88 |
| 66 | 846.36 | -47.28 | -2.75 | 289.62 | -233.44 |
| 67 | 859.46 | 138.92 | 70.50 | 507.86 | -180.19 |
| 68 | 872.55 | 146.89 | 72.83 | 494.32 | -150.60 |
| 69 | 885.65 | -22.48 | 4.52 | 263.64 | -180.37 |
| 70 | 899.07 | -386.60 | -138.52 | 93.85 | -335.65 |
| 71 | 912.16 | -24.13 | 1.98 | 294.54 | -230.69 |
| 72 | 925.22 | 163.24 | 72.80 | 462.12 | -168.72 |
| 73 | 938.29 | 166.44 | 70.62 | 384.76 | -89.13 |

BRIDGE 69801D
Girder 1 : Rating Output : Governing Service Shear

HS20 Loading
(Service Loads)

Girder 1 Service Shear -k

| Tenth
Point | Location | Noncomp
Dead | Comp
Dead | Max LL+I | Range |
|----------------|----------|-----------------|--------------|----------|-------|
| 0 | 0.00 | 24.23 | 10.38 | 52.26 T | 60.49 |
| 1 | 6.36 | 17.50 | 7.67 | 45.78 T | 53.54 |
| 2 | 12.71 | 10.98 | 4.96 | 38.46 T | 47.35 |
| 3 | 19.07 | 4.12 | 2.24 | 33.30 T | 47.29 |
| 4 | 25.43 | -2.41 | -0.46 | 22.32 T | 42.83 |
| 5 | 31.79 | -9.19 | -3.16 | -24.21 T | 46.35 |
| 6 | 38.14 | -15.72 | -5.86 | -32.49 T | 44.06 |
| Top flg.spl. | 42.58 | -20.58 | -7.76 | -34.74 | 46.67 |
| 7 | 44.50 | -22.69 | -8.58 | -35.71 T | 47.81 |
| 8 | 50.86 | -29.27 | -11.29 | -48.09 T | 54.66 |
| Top flg.spl. | 53.58 | -32.30 | -12.45 | -48.81 | 55.22 |
| Bot flg.spl. | 53.58 | -32.30 | -12.45 | -48.81 | 55.22 |
| 9 | 57.22 | -36.36 | -14.00 | -49.78 T | 55.98 |
| 10 | 63.57L | -43.31 | -16.71 | -58.04 T | 62.94 |
| 10 | 63.57R | 41.61 | 16.29 | 60.48 T | 68.65 |
| 11 | 71.06 | 33.44 | 13.10 | 52.84 T | 61.41 |
| Top flg.spl. | 73.58 | 30.68 | 12.03 | 51.28 | 60.26 |
| Bot flg.spl. | 73.58 | 30.68 | 12.03 | 51.28 | 60.26 |
| 12 | 78.54 | 25.25 | 9.92 | 48.22 T | 58.01 |
| Top flg.spl. | 84.58 | 18.73 | 7.35 | 39.18 | 51.35 |
| 13 | 86.02 | 17.17 | 6.74 | 37.02 T | 49.76 |
| 14 | 93.51 | 9.43 | 3.55 | 29.28 T | 46.80 |
| 15 | 100.99 | 1.31 | 0.35 | 25.43 T | 50.30 |
| 16 | 108.47 | -6.78 | -2.83 | -29.10 T | 47.28 |
| 17 | 115.96 | -14.51 | -6.02 | -36.64 T | 50.08 |
| Top flg.spl. | 117.41 | -16.09 | -6.63 | -38.85 | 51.79 |
| 18 | 123.44 | -22.63 | -9.21 | -48.01 T | 58.88 |
| Top flg.spl. | 128.41 | -28.12 | -11.33 | -50.56 | 60.11 |
| Bot flg.spl. | 128.41 | -28.12 | -11.33 | -50.56 | 60.11 |
| 19 | 130.92 | -30.89 | -12.40 | -51.86 T | 60.73 |
| 20 | 138.41L | -39.07 | -15.58 | -59.48 T | 68.36 |
| 20 | 138.41R | 40.31 | 15.25 | 55.32 T | 65.29 |
| 21 | 145.34 | 32.74 | 12.29 | 48.70 T | 58.66 |
| Top flg.spl. | 146.43 | 31.53 | 11.83 | 48.17 | 58.74 |
| Bot flg.spl. | 146.41 | 31.56 | 11.84 | 48.18 | 58.74 |
| 22 | 152.27 | 25.11 | 9.33 | 45.33 T | 59.13 |
| Bot flg.spl. | 157.41 | 19.53 | 7.14 | 40.12 | 56.42 |
| 23 | 159.20 | 17.57 | 6.37 | 38.30 T | 55.48 |
| 24 | 166.14 | 9.22 | 3.42 | 30.78 T | 47.90 |
| 25 | 173.07 | 0.85 | 0.48 | 26.72 T | 50.68 |
| 26 | 180.00 | -6.56 | -2.48 | -30.73 T | 48.83 |
| 27 | 186.94 | -14.92 | -5.44 | -37.21 T | 52.27 |
| Top flg.spl. | 188.26 | -16.49 | -6.01 | -39.06 | 54.40 |
| 28 | 193.87 | -23.13 | -8.39 | -46.88 T | 63.39 |
| Top flg.spl. | 199.26 | -29.17 | -10.69 | -50.75 | 64.55 |
| Bot flg.spl. | 199.24 | -29.14 | -10.68 | -50.73 | 64.55 |
| 29 | 200.80 | -30.89 | -11.34 | -51.85 T | 64.88 |
| 30 | 207.73L | -38.54 | -14.30 | -58.62 T | 71.14 |
| 30 | 207.73R | 38.96 | 14.99 | 55.66 T | 60.55 |
| 31 | 214.76 | 31.20 | 12.00 | 52.48 T | 58.59 |
| Top flg.spl. | 217.26 | 28.41 | 10.93 | 51.78 | 58.28 |
| Bot flg.spl. | 217.24 | 28.44 | 10.94 | 51.78 | 58.28 |
| 32 | 221.78 | 23.39 | 9.01 | 50.51 T | 57.73 |
| Top flg.spl. | 228.26 | 16.61 | 6.25 | 41.05 | 56.46 |
| Bot flg.spl. | 228.24 | 16.63 | 6.26 | 41.09 | 56.47 |
| 33 | 228.81 | 16.04 | 6.02 | 40.26 T | 56.36 |
| 34 | 235.83 | 8.48 | 3.02 | 31.32 T | 44.99 |
| 35 | 242.85 | 1.22 | 0.03 | 26.85 T | 51.70 |
| 36 | 249.88 | -6.45 | -2.97 | -31.99 T | 53.21 |
| 37 | 256.90 | -13.99 | -5.95 | -41.14 T | 52.20 |
| 38 | 263.93 | -21.24 | -8.94 | -52.83 T | 59.53 |
| Top flg.spl. | 267.59 | -25.32 | -10.50 | -56.32 | 63.60 |
| Bot flg.spl. | 267.57 | -25.29 | -10.49 | -56.30 | 63.58 |
| 39 | 270.95 | -29.05 | -11.93 | -59.51 T | 67.33 |

| | | | | | |
|--------------|---------|--------|--------|----------|-------|
| 40 | 277.97L | -37.03 | -14.92 | -61.59 T | 69.41 |
| 40 | 277.97R | 69.72 | 24.74 | 62.93 L | 73.92 |
| 41 | 289.44 | 56.69 | 19.86 | 55.37 T | 70.49 |
| Bot flg.spl. | 294.97 | 50.18 | 17.53 | 52.20 | 65.15 |
| 42 | 300.90 | 43.21 | 15.03 | 48.81 T | 59.42 |
| Top flg.spl. | 312.25 | 29.19 | 10.18 | 40.78 | 58.23 |
| Bot flg.spl. | 312.22 | 29.22 | 10.19 | 40.80 | 58.24 |
| 43 | 312.37 | 29.04 | 10.13 | 40.70 T | 58.22 |
| 44 | 323.83 | 15.42 | 5.24 | 32.96 T | 55.30 |
| 45 | 335.30 | 1.07 | 0.36 | 29.59 T | 58.35 |
| 46 | 346.76 | -13.37 | -4.56 | -32.02 T | 55.65 |
| 47 | 358.23 | -27.01 | -9.45 | -39.43 T | 55.60 |
| Top flg.spl. | 358.41 | -27.24 | -9.53 | -39.57 | 55.67 |
| Bot flg.spl. | 358.39 | -27.21 | -9.52 | -39.55 | 55.66 |
| 48 | 369.69 | -41.09 | -14.31 | -48.00 T | 60.17 |
| Bot flg.spl. | 375.64 | -48.16 | -16.84 | -52.22 | 64.65 |
| 49 | 381.16 | -54.71 | -19.18 | -56.13 T | 68.81 |
| 50 | 392.62L | -67.74 | -24.07 | -64.62 T | 76.33 |
| 50 | 392.62R | 28.68 | 11.69 | 61.53 T | 69.82 |
| 51 | 398.21 | 22.35 | 9.31 | 52.93 T | 61.22 |
| Top flg.spl. | 402.14 | 18.00 | 7.63 | 48.93 | 56.78 |
| Bot flg.spl. | 402.12 | 18.03 | 7.64 | 48.96 | 56.81 |

Dummy Spans

Bridge 69801D

| | | | | | |
|----|---------|--------|--------|----------|-------|
| 52 | 403.79 | 16.19 | 6.93 | 47.26 T | 54.92 |
| 53 | 409.37 | 10.40 | 4.55 | 43.78 T | 51.44 |
| 54 | 414.96 | 4.61 | 2.17 | 26.94 T | 39.51 |
| 55 | 420.54 | -1.18 | -0.21 | 19.87 T | 35.14 |
| 56 | 426.13 | -6.88 | -2.59 | -25.70 T | 45.13 |
| 57 | 431.71 | -12.58 | -4.97 | -22.72 T | 31.59 |
| 58 | 437.30 | -18.50 | -7.34 | -38.25 T | 45.16 |
| 59 | 442.88 | -24.38 | -9.72 | -48.46 T | 53.60 |
| 60 | 448.46L | -30.21 | -12.10 | -50.82 T | 54.22 |
| 60 | 448.46R | 33.18 | 13.83 | 55.02 T | 63.28 |
| 61 | 455.32 | 26.06 | 10.90 | 54.31 T | 63.04 |
| 62 | 462.18 | 18.93 | 7.98 | 44.28 T | 56.13 |
| 63 | 469.04 | 11.78 | 5.06 | 36.47 T | 45.73 |
| 64 | 475.89 | 4.79 | 2.14 | 29.18 T | 48.78 |
| 65 | 482.75 | -2.54 | -0.76 | 24.49 T | 44.54 |
| 66 | 489.61 | -9.53 | -3.68 | -27.88 T | 48.55 |
| 67 | 496.47 | -16.53 | -6.60 | -35.00 T | 45.26 |
| 68 | 503.32 | -23.67 | -9.48 | -42.85 T | 51.93 |
| 69 | 510.18 | -30.96 | -12.40 | -51.02 T | 57.83 |
| 70 | 517.04L | -38.24 | -15.32 | -55.71 T | 61.47 |
| 70 | 517.04R | 36.92 | 14.77 | 52.48 T | 59.45 |
| 71 | 523.88 | 29.75 | 11.86 | 56.63 T | 63.63 |
| 72 | 530.72 | 22.58 | 8.94 | 41.96 T | 53.93 |
| 73 | 537.56 | 15.53 | 6.12 | 39.13 T | 47.28 |
| 74 | 544.40 | 8.55 | 3.21 | 29.96 T | 52.53 |
| 75 | 551.24 | 1.73 | 0.54 | 27.00 T | 44.42 |
| 76 | 558.08 | -5.24 | -2.38 | -30.16 T | 52.35 |
| 77 | 564.92 | -12.22 | -5.29 | -34.21 T | 45.10 |
| 78 | 571.76 | -19.27 | -8.06 | -41.09 T | 51.27 |
| 79 | 578.60 | -26.25 | -10.98 | -49.95 T | 57.30 |
| 80 | 585.43L | -33.36 | -13.89 | -54.46 T | 61.20 |
| 80 | 585.43R | 32.41 | 13.07 | 57.51 T | 65.80 |
| 81 | 591.02 | 26.61 | 10.69 | 51.15 T | 59.45 |
| 82 | 596.60 | 20.81 | 8.31 | 45.14 T | 55.71 |
| 83 | 602.19 | 15.01 | 5.94 | 37.34 T | 46.33 |
| 84 | 607.77 | 9.41 | 3.64 | 29.70 L | 43.68 |
| 85 | 613.35 | 3.71 | 1.26 | 25.13 T | 42.42 |
| 86 | 618.94 | -1.99 | -1.12 | -23.33 T | 40.35 |
| 87 | 624.52 | -7.59 | -3.34 | -26.38 T | 39.13 |
| 88 | 630.10 | -13.29 | -5.72 | -36.22 T | 45.47 |
| 89 | 635.69 | -18.98 | -8.09 | -39.55 L | 46.59 |
| 90 | 641.27L | -24.68 | -10.47 | -48.79 T | 54.26 |
| 90 | 641.27R | 27.57 | 11.49 | 59.99 T | 71.80 |
| 91 | 647.26 | 21.41 | 8.92 | 54.81 T | 66.54 |

Bridge 69801D

| | | | | | |
|--------------|--------|--------|--------|----------|-------|
| Top flg.spl. | 647.34 | 21.32 | 8.89 | 54.68 | 66.34 |
| Bot flg.spl. | 647.32 | 21.35 | 8.90 | 54.72 | 66.40 |
| 92 | 653.26 | 15.06 | 6.41 | 44.93 T | 51.43 |
| 93 | 659.25 | 8.89 | 3.85 | 34.50 T | 45.91 |
| 94 | 665.25 | 2.74 | 1.40 | 26.70 L | 41.12 |
| 95 | 671.24 | -3.47 | -1.15 | -21.76 T | 41.41 |
| 96 | 677.24 | -9.66 | -3.59 | -25.17 T | 42.59 |
| 97 | 683.23 | -15.87 | -6.15 | -33.68 T | 43.26 |
| 98 | 689.23 | -22.35 | -8.70 | -41.06 T | 48.98 |
| 99 | 695.22 | -28.68 | -11.25 | -47.53 T | 52.43 |

Dummy Spans

| | | | | | |
|-----|---------|--------|--------|----------|-------|
| 100 | 701.22L | -35.10 | -13.80 | -53.22 T | 56.69 |
| 100 | 701.22R | 34.62 | 13.95 | 54.21 T | 62.12 |
| 101 | 707.86 | 27.62 | 11.12 | 47.16 T | 55.07 |
| 102 | 714.51 | 20.69 | 8.27 | 43.71 T | 54.76 |
| 103 | 721.16 | 13.59 | 5.45 | 35.51 T | 47.59 |
| 104 | 727.80 | 6.65 | 2.60 | 28.93 T | 47.57 |
| 105 | 734.45 | -0.17 | -0.12 | 22.54 T | 44.09 |
| 106 | 741.10 | -7.11 | -2.97 | -27.95 T | 42.89 |
| 107 | 747.74 | -13.94 | -5.66 | -33.41 T | 44.77 |
| 108 | 754.39 | -20.86 | -8.51 | -41.09 T | 49.05 |
| 109 | 761.03 | -28.13 | -11.30 | -46.68 T | 53.92 |
| 110 | 767.68L | -35.29 | -14.13 | -54.03 T | 60.55 |
| 110 | 767.68R | 34.83 | 13.91 | 53.26 T | 59.86 |
| 111 | 774.27 | 27.73 | 11.11 | 48.59 T | 55.75 |
| 112 | 780.86 | 20.72 | 8.28 | 43.28 T | 54.34 |
| 113 | 787.45 | 13.66 | 5.49 | 34.22 T | 46.01 |
| 114 | 794.04 | 6.80 | 2.67 | 27.65 T | 46.72 |
| 115 | 800.63 | -0.03 | 0.02 | -22.24 T | 44.11 |
| 116 | 807.22 | -6.88 | -2.79 | -28.70 T | 43.14 |
| 117 | 813.81 | -13.64 | -5.39 | -35.06 T | 47.63 |
| 118 | 820.40 | -20.48 | -8.20 | -43.30 T | 51.48 |
| 119 | 826.99 | -27.68 | -10.96 | -47.97 T | 55.41 |
| 120 | 833.58L | -34.81 | -13.77 | -55.14 T | 62.26 |
| 120 | 833.58R | 34.97 | 13.76 | 52.27 T | 59.48 |
| 121 | 840.13 | 27.88 | 10.97 | 45.04 T | 53.02 |
| 122 | 846.68 | 20.65 | 8.24 | 40.32 T | 48.63 |
| 123 | 853.23 | 13.86 | 5.45 | 33.86 T | 47.11 |
| 124 | 859.78 | 7.08 | 2.82 | 28.05 T | 42.97 |
| 125 | 866.33 | 0.30 | 0.03 | 22.70 T | 43.44 |
| 126 | 872.87 | -6.46 | -2.57 | -28.98 T | 48.88 |
| 127 | 879.42 | -13.24 | -5.36 | -35.73 T | 47.97 |
| 128 | 885.97 | -20.28 | -8.09 | -42.54 T | 53.60 |
| 129 | 892.52 | -27.19 | -10.88 | -48.67 T | 57.19 |
| 130 | 899.07L | -34.21 | -13.67 | -54.74 T | 63.26 |
| 130 | 899.07R | 34.89 | 13.68 | 56.72 T | 60.63 |
| 131 | 904.30 | 29.28 | 11.45 | 46.45 T | 51.28 |
| 132 | 909.53 | 23.87 | 9.23 | 41.51 T | 49.47 |
| 133 | 914.76 | 18.10 | 7.03 | 35.99 T | 42.00 |
| 134 | 919.99 | 12.68 | 4.80 | 29.52 L | 44.45 |
| 135 | 925.21 | 7.29 | 2.71 | 26.94 T | 45.57 |
| 136 | 930.44 | 1.88 | 0.49 | 21.98 T | 40.99 |
| 137 | 935.67 | -3.54 | -1.74 | -27.99 T | 40.26 |
| 138 | 940.90 | -8.91 | -3.84 | -33.93 T | 45.04 |
| 139 | 946.13 | -14.33 | -6.07 | -40.69 T | 48.23 |
| 140 | 951.36 | -19.74 | -8.30 | -42.79 T | 49.11 |

Ranges shown in this table not used for fatigue.

T - governed by truck loading
L - governed by lane loading

H2O Service Loads

BRIDGE 69801D

Girder 2 : Rating Output : Governing Service Moment

Girder 2 Service Moment - k-ft

| Tenth
Point | Location | Noncomp
Dead | Comp
Dead | Max LL+I | Min LL+I | Range |
|----------------|----------|-----------------|--------------|----------|-----------|---------|
| 0 | 0.00 | 0.00 | 0.00 | 0.01 T | -0.01 T | 0.01 |
| 1 | 6.36 | 137.28 | 57.39 | 267.40 T | -33.74 T | 301.14 |
| 2 | 12.71 | 229.94 | 97.55 | 434.68 T | -67.47 T | 502.15 |
| 3 | 19.07 | 278.76 | 120.42 | 538.95 T | -101.22 T | 640.17 |
| 4 | 25.43 | 284.38 | 126.16 | 594.27 T | -134.96 T | 729.23 |
| 5 | 31.79 | 246.04 | 114.55 | 569.86 T | -168.67 T | 738.54 |
| 6 | 38.14 | 164.47 | 85.76 | 553.48 T | -202.88 T | 756.36 |
| Top flg.spl | 42.58 | 76.91 | 53.61 | 467.25 | -227.68 | 694.93 |
| 7 | 44.50 | 38.98 | 39.68 | 429.90 T | -238.42 T | 668.32 |
| 8 | 50.86 | -129.73 | -23.46 | 296.64 T | -275.41 T | 572.05 |
| Top flg.spl | 53.58 | -221.75 | -57.85 | 211.57 | -292.09 | 503.65 |
| Bot.flg.spl | 53.58 | -221.75 | -57.85 | 211.57 | -292.09 | 503.65 |
| 9 | 57.22 | -344.73 | -103.81 | 97.88 T | -314.37 T | 412.26 |
| 10 | 63.57 | -607.65 | -200.76 | 60.98 T | -411.18 L | 472.17 |
| 11 | 71.06 | -317.57 | -90.67 | 91.45 T | -224.62 T | 316.08 |
| Top flg.spl | 73.58 | -241.85 | -61.60 | 152.23 | -212.84 | 365.07 |
| Bot.flg.spl | 73.58 | -241.85 | -61.60 | 152.23 | -212.84 | 365.07 |
| 12 | 78.54 | -92.99 | -4.44 | 271.71 T | -189.69 T | 461.40 |
| Top flg.spl | 84.58 | 38.83 | 44.96 | 407.70 | -162.95 | 570.64 |
| 13 | 86.02 | 70.34 | 56.77 | 440.19 T | -156.55 T | 596.75 |
| 14 | 93.51 | 171.13 | 95.15 | 533.05 T | -124.76 T | 657.81 |
| 15 | 100.99 | 211.28 | 109.73 | 554.15 T | -97.23 L | 651.37 |
| 16 | 108.47 | 190.81 | 100.45 | 560.25 T | -112.58 T | 672.83 |
| 17 | 115.96 | 109.84 | 67.23 | 430.71 T | -142.25 T | 572.96 |
| Top flg.spl | 117.41 | 82.17 | 56.15 | 401.33 | -148.47 | 549.80 |
| 18 | 123.44 | -32.60 | 10.17 | 279.47 T | -174.28 T | 453.75 |
| Top flg.spl | 128.41 | -169.13 | -42.67 | 154.68 | -205.64 | 360.32 |
| Bot.flg.spl | 128.41 | -169.13 | -42.67 | 154.68 | -205.64 | 360.32 |
| 19 | 130.92 | -238.15 | -69.38 | 91.60 L | -221.49 T | 313.09 |
| 20 | 138.41 | -507.42 | -173.95 | 65.17 T | -397.69 L | 462.85 |
| 21 | 145.34 | -246.67 | -78.57 | 132.49 T | -293.73 T | 426.23 |
| Bot.flg.spl | 146.41 | -215.13 | -67.00 | 160.53 | -286.35 | 446.88 |
| Top flg.spl | 146.43 | -214.42 | -66.74 | 161.15 | -286.19 | 447.34 |
| 22 | 152.27 | -42.49 | -3.69 | 313.93 T | -245.96 T | 559.89 |
| Bot.flg.spl | 157.41 | 67.46 | 36.41 | 415.22 | -214.93 | 630.15 |
| 23 | 159.20 | 105.87 | 50.42 | 450.60 T | -204.10 T | 654.70 |
| 24 | 166.14 | 199.95 | 84.52 | 536.45 T | -168.55 T | 705.00 |
| 25 | 173.07 | 237.38 | 97.92 | 562.26 T | -131.06 T | 693.32 |
| 26 | 180.00 | 218.27 | 90.98 | 524.64 T | -144.96 T | 669.60 |
| 27 | 186.94 | 142.93 | 63.61 | 434.42 T | -176.51 T | 610.93 |
| Top flg.spl | 188.26 | 117.44 | 54.44 | 406.95 | -182.66 | 589.61 |
| 28 | 193.87 | 9.82 | 15.72 | 290.99 T | -208.62 T | 499.61 |
| Bot.flg.spl | 199.24 | -138.11 | -37.25 | 167.71 | -240.24 | 407.95 |
| Top flg.spl | 199.26 | -138.77 | -37.49 | 167.16 | -240.38 | 407.54 |
| 29 | 200.80 | -181.13 | -52.65 | 131.85 T | -249.43 T | 381.28 |
| 30 | 207.74 | -429.65 | -141.61 | 84.52 L | -391.99 T | 476.51 |
| 31 | 214.76 | -175.95 | -46.81 | 137.69 L | -251.73 T | 389.42 |
| Bot.flg.spl | 217.24 | -105.89 | -20.91 | 187.05 | -236.15 | 423.20 |
| Top flg.spl | 217.26 | -105.22 | -20.66 | 187.53 | -236.00 | 423.53 |
| 32 | 221.79 | 22.54 | 26.56 | 277.55 T | -207.59 T | 485.14 |
| Bot.flg.spl | 228.24 | 152.15 | 75.02 | 426.88 | -177.01 | 603.88 |
| Top flg.spl | 228.26 | 152.63 | 75.20 | 427.43 | -176.89 | 604.32 |
| 33 | 228.81 | 163.62 | 79.31 | 440.09 T | -174.30 T | 614.39 |
| 34 | 235.84 | 251.79 | 110.83 | 509.34 T | -141.76 T | 651.10 |
| 35 | 242.86 | 286.01 | 121.54 | 519.18 T | -110.12 T | 629.30 |
| 36 | 249.89 | 266.72 | 111.39 | 483.67 T | -78.85 T | 562.52 |
| 37 | 256.91 | 193.84 | 80.17 | 354.36 T | -47.52 T | 401.88 |
| 38 | 263.94 | 67.12 | 27.72 | 126.96 T | -16.31 T | 143.27 |
| Bot.flg.spl | 267.57 | 0.04 | 0.01 | -0.01 | 0.06 | -0.06 |
| Top flg.spl | 267.59 | 0.05 | 0.02 | -0.01 | 0.07 | -0.08 |
| 39 | 270.96 | -96.15 | -38.30 | 17.31 L | -151.11 T | 168.41 |
| 40 | 277.99 | -337.36 | -132.92 | 46.45 T | -462.44 T | 508.89 |
| 41 | 289.45 | 399.78 | 123.46 | 588.80 T | -406.48 T | 995.28 |
| Bot.flg.spl | 294.97 | 676.99 | 220.33 | 774.61 | -384.45 | 1159.05 |

| | | | | | | |
|-------------|--------|---------|---------|-----------|-----------|---------|
| 42 | 300.92 | 975.42 | 324.61 | 974.63 T | -360.73 T | 1335.36 |
| Bot.flg.spl | 312.22 | 1382.26 | 466.62 | 1217.45 | -315.59 | 1533.04 |
| Top flg.spl | 312.25 | 1383.11 | 466.92 | 1217.96 | -315.50 | 1533.45 |
| 43 | 312.38 | 1387.96 | 468.61 | 1220.85 T | -314.96 T | 1535.81 |
| 44 | 323.85 | 1642.37 | 556.68 | 1392.06 T | -269.72 T | 1661.78 |
| 45 | 335.31 | 1732.55 | 588.26 | 1433.98 T | -224.54 T | 1658.52 |
| 46 | 346.78 | 1661.81 | 564.03 | 1388.45 T | -240.96 T | 1629.41 |
| 47 | 358.24 | 1432.90 | 484.58 | 1235.99 T | -281.83 T | 1517.82 |
| Bot.flg.spl | 358.39 | 1427.80 | 482.81 | 1232.61 | -282.36 | 1514.97 |
| Top flg.spl | 358.41 | 1426.99 | 482.53 | 1232.08 | -282.44 | 1514.53 |
| 48 | 369.71 | 1039.27 | 348.46 | 975.82 T | -322.77 T | 1298.58 |
| Bot.flg.spl | 375.64 | 752.64 | 248.74 | 757.50 | -343.95 | 1101.45 |
| 49 | 381.17 | 485.47 | 155.79 | 554.01 T | -363.69 T | 917.70 |
| 50 | 392.64 | -227.99 | -90.47 | 56.51 T | -408.59 T | 465.10 |
| 51 | 398.22 | -78.42 | -31.78 | 25.41 T | -167.65 T | 193.05 |
| Bot.flg.spl | 402.12 | 0.01 | 0.00 | 0.02 | 0.00 | 0.02 |
| Top flg.spl | 402.14 | 0.01 | 0.00 | 0.01 | 0.00 | 0.02 |
| 52 | 403.80 | 29.87 | 12.25 | 74.87 T | -9.92 T | 84.80 |
| 53 | 409.38 | 107.16 | 44.38 | 262.30 T | -42.94 T | 305.24 |
| 54 | 414.97 | 150.43 | 63.23 | 364.86 T | -75.96 T | 440.82 |
| 55 | 420.55 | 130.26 | 55.01 | 350.27 T | -109.19 T | 459.46 |
| 56 | 426.13 | 107.62 | 47.28 | 346.70 T | -142.61 T | 489.32 |
| 57 | 431.72 | 51.67 | 26.28 | 318.77 T | -176.04 T | 494.81 |
| 58 | 437.30 | -38.49 | -7.90 | 197.18 T | -210.08 T | 407.26 |
| 59 | 442.88 | -162.44 | -55.45 | 107.32 L | -244.31 T | 351.63 |
| 60 | 448.46 | -322.75 | -115.18 | 64.06 T | -313.50 L | 377.56 |
| 61 | 455.32 | -113.89 | -30.67 | 90.63 L | -155.36 T | 245.99 |
| 62 | 462.18 | 43.53 | 33.81 | 296.65 T | -132.75 T | 429.40 |
| 63 | 469.04 | 156.43 | 75.94 | 420.73 T | -110.88 T | 531.61 |
| 64 | 475.89 | 213.80 | 100.27 | 501.37 T | -91.37 T | 592.73 |
| 65 | 482.75 | 220.47 | 104.67 | 530.65 T | -109.02 T | 639.67 |
| 66 | 489.61 | 177.81 | 88.73 | 507.58 T | -143.20 T | 650.78 |
| 67 | 496.47 | 84.85 | 52.75 | 434.19 T | -177.63 T | 611.81 |
| 68 | 503.32 | -59.96 | -3.47 | 270.63 T | -214.58 T | 485.21 |
| 69 | 510.18 | -256.32 | -80.04 | 118.94 T | -253.25 T | 372.19 |
| 70 | 517.04 | -508.32 | -174.64 | 53.20 T | -367.62 L | 420.82 |
| 71 | 523.93 | -264.76 | -80.18 | 77.70 L | -220.63 T | 298.33 |
| 72 | 530.82 | -72.66 | -5.93 | 286.53 T | -187.86 T | 474.38 |
| 73 | 537.70 | 69.85 | 49.52 | 399.16 T | -155.28 T | 554.44 |
| 74 | 544.59 | 158.89 | 83.19 | 493.42 T | -122.82 T | 616.24 |
| 75 | 551.48 | 196.88 | 96.79 | 529.01 T | -92.90 T | 621.91 |
| 76 | 558.37 | 184.97 | 89.54 | 485.60 T | -114.38 T | 599.97 |
| 77 | 565.26 | 122.34 | 62.09 | 409.83 T | -142.31 T | 552.15 |
| 78 | 572.14 | 8.33 | 14.31 | 239.38 T | -170.24 T | 409.63 |
| 79 | 579.03 | -156.33 | -54.05 | 100.18 T | -200.02 T | 300.21 |
| 80 | 585.92 | -376.76 | -140.19 | 68.97 T | -350.96 T | 419.93 |
| 81 | 591.44 | -208.44 | -74.22 | 91.01 T | -269.79 T | 360.80 |
| 82 | 596.95 | -73.42 | -21.20 | 233.01 T | -238.78 T | 471.79 |
| 83 | 602.47 | 28.32 | 18.85 | 363.57 T | -207.77 T | 571.35 |
| 84 | 607.98 | 104.79 | 44.10 | 428.43 T | -176.88 L | 605.31 |
| 85 | 613.50 | 142.52 | 58.06 | 456.38 T | -146.05 T | 602.43 |
| 86 | 619.02 | 147.73 | 59.05 | 468.64 T | -139.92 T | 608.56 |
| 87 | 624.53 | 119.78 | 47.20 | 417.21 T | -170.54 T | 587.75 |
| 88 | 630.05 | 59.45 | 22.25 | 331.59 T | -204.35 T | 535.94 |
| 89 | 635.57 | -33.40 | -15.66 | 224.62 T | -238.18 T | 462.80 |
| 90 | 641.08 | -159.41 | -63.08 | 64.91 T | -275.32 T | 340.24 |
| Bot.flg.spl | 647.13 | 0.18 | 0.07 | 1.07 | -0.57 | 1.63 |
| 91 | 647.14 | 0.47 | 0.19 | 0.95 T | -0.06 T | 1.01 |
| Top flg.spl | 647.15 | 0.01 | 0.01 | 0.03 | 0.00 | 0.03 |
| 92 | 653.20 | 117.26 | 47.79 | 251.26 T | -31.36 L | 282.61 |
| 93 | 659.26 | 194.39 | 79.74 | 395.25 T | -62.65 T | 457.90 |
| 94 | 665.32 | 201.44 | 84.07 | 451.06 T | -94.12 T | 545.18 |
| 95 | 671.38 | 198.78 | 84.89 | 474.37 T | -125.73 T | 600.09 |
| 96 | 677.44 | 156.24 | 70.31 | 455.49 T | -157.69 T | 613.19 |
| 97 | 683.50 | 74.14 | 40.12 | 391.46 T | -190.51 T | 581.97 |
| 98 | 689.56 | -48.15 | -5.57 | 260.97 T | -223.67 T | 484.63 |
| 99 | 695.62 | -211.26 | -66.79 | 108.70 T | -258.96 T | 367.67 |
| 100 | 701.68 | -417.84 | -142.29 | 58.36 T | -319.64 T | 378.01 |
| 101 | 708.40 | -197.56 | -57.55 | 72.16 T | -167.47 T | 239.62 |
| 102 | 715.12 | -23.28 | 9.30 | 242.51 T | -140.71 L | 383.22 |
| 103 | 721.84 | 96.80 | 55.39 | 384.33 T | -117.50 L | 501.84 |
| 104 | 728.56 | 168.84 | 80.72 | 464.48 T | -94.29 L | 558.76 |
| 105 | 735.28 | 192.03 | 89.34 | 485.17 T | -88.52 T | 573.69 |
| 106 | 742.00 | 165.88 | 78.74 | 466.21 T | -117.24 T | 583.45 |
| 107 | 748.72 | 92.12 | 49.69 | 388.93 T | -146.49 T | 535.42 |
| 108 | 755.44 | -31.95 | 3.01 | 247.32 T | -176.60 T | 423.91 |

↑ Dummy
Spans
↓ Bridge
69801D

↑ Bridge
69801D
↓ Dummy
spans

| | | | | | | |
|-----|--------|---------|---------|----------|-----------|--------|
| 109 | 762.16 | -204.92 | -64.60 | 94.54 T | -211.33 T | 305.87 |
| 110 | 768.88 | -432.00 | -152.67 | 55.68 T | -353.17 T | 408.85 |
| 111 | 775.54 | -212.44 | -67.04 | 102.42 T | -254.29 T | 356.71 |
| 112 | 782.20 | -39.53 | -1.55 | 287.83 T | -216.62 T | 504.45 |
| 113 | 788.86 | 79.91 | 45.91 | 423.47 T | -180.43 T | 603.90 |
| 114 | 795.53 | 152.00 | 74.95 | 500.98 T | -143.78 T | 644.75 |
| 115 | 802.19 | 176.32 | 84.59 | 522.09 T | -112.81 T | 634.89 |
| 116 | 808.85 | 151.99 | 75.29 | 497.85 T | -137.29 T | 635.13 |
| 117 | 815.51 | 79.91 | 46.53 | 415.91 T | -171.43 T | 587.33 |
| 118 | 822.17 | -41.40 | -1.41 | 274.78 T | -205.90 T | 480.68 |
| 119 | 828.83 | -211.77 | -68.38 | 98.43 T | -241.80 T | 340.24 |
| 120 | 835.49 | -435.60 | -153.06 | 64.71 T | -360.23 T | 424.94 |
| 121 | 842.11 | -215.88 | -67.06 | 102.04 T | -236.68 T | 338.72 |
| 122 | 848.74 | -43.16 | -1.15 | 261.78 T | -200.69 T | 462.47 |
| 123 | 855.36 | 78.17 | 46.97 | 402.10 T | -166.47 T | 568.58 |
| 124 | 861.98 | 151.78 | 76.50 | 482.84 T | -132.74 T | 615.58 |
| 125 | 868.61 | 178.00 | 86.51 | 502.26 T | -99.28 T | 601.53 |
| 126 | 875.23 | 156.44 | 77.91 | 477.69 T | -110.66 T | 588.34 |
| 127 | 881.85 | 87.24 | 49.74 | 394.11 T | -137.47 T | 531.58 |
| 128 | 888.47 | -29.83 | 2.95 | 251.04 T | -164.49 T | 415.54 |
| 129 | 895.10 | -195.65 | -62.85 | 80.32 T | -191.21 T | 271.54 |
| 130 | 901.72 | -413.00 | -145.66 | 67.65 T | -331.10 T | 398.76 |
| 131 | 907.01 | -233.85 | -77.10 | 89.94 T | -260.27 T | 350.21 |
| 132 | 912.29 | -85.36 | -20.44 | 225.03 T | -228.02 L | 453.05 |
| 133 | 917.58 | 32.89 | 22.93 | 333.32 T | -198.06 T | 531.38 |
| 134 | 922.87 | 119.20 | 55.52 | 413.97 T | -169.02 L | 583.00 |
| 135 | 928.16 | 175.01 | 76.30 | 451.77 T | -140.26 T | 592.03 |
| 136 | 933.44 | 200.58 | 84.80 | 455.95 T | -112.05 T | 568.00 |
| 137 | 938.73 | 195.83 | 81.38 | 421.15 T | -83.99 T | 505.14 |
| 138 | 944.02 | 160.82 | 66.22 | 344.21 T | -55.99 T | 400.20 |
| 139 | 949.31 | 95.70 | 39.03 | 211.58 T | -27.99 T | 239.57 |
| 140 | 954.59 | 0.00 | 0.00 | 0.18 T | -0.20 T | 0.38 |

T - governed by truck loading

L - governed by lane loading

Range shown in this table not used for fatigue.

At Bracing

Brace No.

| | | | | | |
|----|--------|---------|---------|---------|---------|
| 2 | 5.99 | 129.35 | 54.07 | 251.96 | -31.79 |
| 3 | 17.58 | 267.29 | 115.05 | 514.45 | -93.29 |
| 4 | 29.07 | 262.40 | 119.50 | 580.28 | -154.28 |
| 5 | 40.57 | 116.62 | 68.19 | 506.36 | -216.43 |
| 6 | 52.08 | -170.98 | -38.88 | 258.50 | -282.89 |
| 7 | 63.57 | -607.65 | -200.76 | 60.98 | -411.18 |
| 8 | 74.46 | -215.55 | -51.50 | 173.34 | -208.75 |
| 9 | 85.12 | 50.62 | 49.37 | 419.85 | -160.56 |
| 10 | 95.77 | 183.26 | 99.55 | 539.42 | -116.44 |
| 11 | 106.43 | 196.39 | 102.98 | 558.59 | -108.39 |
| 12 | 117.09 | 88.17 | 58.55 | 407.70 | -147.12 |
| 13 | 127.76 | -151.21 | -35.74 | 171.06 | -201.52 |
| 14 | 138.41 | -507.42 | -173.95 | 65.17 | -397.69 |
| 15 | 146.50 | -212.55 | -66.05 | 162.82 | -285.75 |
| 16 | 155.25 | 21.20 | 19.54 | 372.61 | -227.99 |
| 17 | 164.00 | 170.92 | 74.00 | 509.96 | -179.52 |
| 18 | 172.73 | 235.57 | 97.27 | 561.00 | -132.88 |
| 19 | 181.48 | 202.18 | 85.14 | 505.37 | -151.70 |
| 20 | 190.23 | 79.61 | 40.83 | 366.19 | -191.78 |
| 21 | 198.98 | -131.07 | -34.73 | 173.58 | -238.73 |
| 22 | 207.74 | -429.65 | -141.61 | 84.52 | -391.99 |
| 23 | 219.57 | -39.96 | 3.46 | 233.51 | -221.49 |
| 24 | 231.57 | 198.25 | 91.69 | 467.29 | -161.52 |
| 25 | 243.57 | 284.08 | 120.52 | 515.61 | -106.98 |
| 26 | 255.56 | 207.83 | 86.16 | 379.18 | -53.54 |
| 27 | 267.58 | 0.04 | 0.02 | -0.01 | 0.06 |
| 28 | 277.99 | -337.36 | -132.92 | 46.45 | -462.44 |
| 29 | 293.95 | 625.71 | 202.41 | 740.23 | -388.52 |
| 30 | 310.32 | 1313.87 | 442.75 | 1176.64 | -323.18 |
| 31 | 326.76 | 1665.27 | 564.70 | 1402.71 | -258.25 |
| 32 | 343.22 | 1683.74 | 571.54 | 1402.56 | -235.87 |

| | | | | | |
|----|--------|---------|---------|---------|---------|
| 33 | 359.66 | 1384.28 | 467.76 | 1203.85 | -286.89 |
| 34 | 376.17 | 727.02 | 239.83 | 737.99 | -345.84 |
| 35 | 392.64 | -227.99 | -90.47 | 56.51 | -408.59 |
| 36 | 402.12 | 0.01 | 0.00 | 0.02 | 0.00 |
| 37 | 417.57 | 141.03 | 59.39 | 358.05 | -91.46 |
| 38 | 433.02 | 30.65 | 18.31 | 290.42 | -183.98 |
| 39 | 448.46 | -322.75 | -115.18 | 64.06 | -313.50 |
| 40 | 465.60 | 99.91 | 54.85 | 358.61 | -121.83 |
| 41 | 482.76 | 220.42 | 104.65 | 530.62 | -109.06 |
| 42 | 499.90 | 12.36 | 24.61 | 352.32 | -196.12 |
| 43 | 517.04 | -508.32 | -174.64 | 53.20 | -367.62 |
| 44 | 534.27 | -1.23 | 21.87 | 342.98 | -171.53 |
| 45 | 551.49 | 196.85 | 96.78 | 528.92 | -92.95 |
| 46 | 568.72 | 64.98 | 38.05 | 324.09 | -156.36 |
| 47 | 585.92 | -376.76 | -140.19 | 68.97 | -350.96 |
| 48 | 604.32 | 53.92 | 27.30 | 385.28 | -197.43 |
| 49 | 622.69 | 129.11 | 51.16 | 434.39 | -160.31 |
| 50 | 641.08 | -159.41 | -63.08 | 64.91 | -275.32 |
| 51 | 647.13 | 0.17 | 0.07 | 1.07 | -0.58 |
| 52 | 661.84 | 197.39 | 81.58 | 419.00 | -76.04 |
| 53 | 675.40 | 170.58 | 75.22 | 461.85 | -146.92 |
| 54 | 688.98 | -36.47 | -1.21 | 273.43 | -220.50 |
| 55 | 701.68 | -417.84 | -142.29 | 58.36 | -319.64 |
| 56 | 715.16 | -22.57 | 9.57 | 243.35 | -140.57 |
| 57 | 728.61 | 168.99 | 80.77 | 464.61 | -94.25 |
| 58 | 742.03 | 165.52 | 78.60 | 465.83 | -117.38 |
| 59 | 755.47 | -32.56 | 2.77 | 246.78 | -176.72 |
| 60 | 768.88 | -432.00 | -152.67 | 55.68 | -353.17 |
| 61 | 782.24 | -38.86 | -1.28 | 288.59 | -216.42 |
| 62 | 795.54 | 152.07 | 74.97 | 501.03 | -143.69 |
| 63 | 808.89 | 151.57 | 75.13 | 497.38 | -137.48 |
| 64 | 822.19 | -41.91 | -1.61 | 274.25 | -206.00 |
| 65 | 835.49 | -435.60 | -153.06 | 64.71 | -360.23 |
| 66 | 848.58 | -47.23 | -2.70 | 258.01 | -201.54 |
| 67 | 861.83 | 150.10 | 75.82 | 481.00 | -133.51 |
| 68 | 875.06 | 156.98 | 78.13 | 478.30 | -110.37 |
| 69 | 888.30 | -26.81 | 4.15 | 254.72 | -163.80 |
| 70 | 901.72 | -413.00 | -145.66 | 67.65 | -331.10 |
| 71 | 914.94 | -26.23 | 1.25 | 279.18 | -213.04 |
| 72 | 928.15 | 174.92 | 76.27 | 451.71 | -140.31 |
| 73 | 941.38 | 178.29 | 73.79 | 382.59 | -69.96 |

BRIDGE 69801D

Girder 2 : Rating Output : Governing Service Shear

Girder 2 Service Shear -k

| Tenth Point | Location | Noncomp Dead | Comp Dead | Max LL+I | Range |
|--------------|----------|--------------|-----------|----------|-------|
| 0 | 0.00 | 25.01 | 10.38 | 54.60 T | 60.09 |
| 1 | 6.36 | 18.00 | 7.67 | 45.40 T | 50.88 |
| 2 | 12.71 | 11.16 | 4.96 | 36.73 T | 45.89 |
| 3 | 19.07 | 4.30 | 2.26 | 32.59 T | 48.34 |
| 4 | 25.43 | -2.54 | -0.45 | -23.41 T | 44.25 |
| 5 | 31.79 | -9.41 | -3.17 | -24.16 T | 46.82 |
| 6 | 38.14 | -16.25 | -5.88 | -33.18 T | 44.03 |
| Top flg.spl. | 42.58 | -21.03 | -7.76 | -33.94 | 47.31 |
| 7 | 44.50 | -23.10 | -8.58 | -34.27 T | 48.73 |
| 8 | 50.86 | -29.99 | -11.29 | -48.72 T | 55.35 |
| Top flg.spl. | 53.58 | -33.13 | -12.45 | -49.01 | 54.89 |
| Bot flg.spl. | 53.58 | -33.13 | -12.45 | -49.01 | 54.89 |
| 9 | 57.22 | -37.32 | -13.99 | -49.40 T | 54.27 |
| 10 | 63.57L | -44.58 | -16.70 | -60.87 T | 63.12 |
| 10 | 63.57R | 43.03 | 16.31 | 63.41 T | 67.50 |
| 11 | 71.06 | 34.49 | 13.12 | 50.94 T | 57.68 |
| Top flg.spl. | 73.58 | 31.56 | 12.04 | 49.17 | 56.76 |
| Bot flg.spl. | 73.58 | 31.56 | 12.04 | 49.17 | 56.76 |
| 12 | 78.54 | 25.80 | 9.92 | 45.68 T | 54.95 |
| Top flg.spl. | 84.58 | 19.12 | 7.34 | 38.11 | 50.96 |
| 13 | 86.02 | 17.52 | 6.72 | 36.30 T | 50.00 |
| 14 | 93.51 | 9.42 | 3.54 | 27.33 T | 47.22 |
| 15 | 100.99 | 1.37 | 0.37 | 25.89 T | 51.06 |
| 16 | 108.47 | -6.77 | -2.84 | -27.24 T | 48.11 |
| 17 | 115.96 | -14.87 | -6.03 | -35.94 T | 50.72 |
| Top flg.spl. | 117.41 | -16.46 | -6.65 | -37.81 | 51.80 |
| 18 | 123.44 | -23.07 | -9.21 | -45.57 T | 56.30 |
| Top flg.spl. | 128.41 | -28.76 | -11.32 | -48.45 | 56.53 |
| Bot flg.spl. | 128.41 | -28.76 | -11.32 | -48.45 | 56.53 |
| 19 | 130.92 | -31.64 | -12.39 | -49.91 T | 56.64 |
| 20 | 138.41L | -40.18 | -15.57 | -61.93 T | 66.34 |
| 20 | 138.41R | 41.57 | 15.23 | 52.52 T | 58.22 |
| 21 | 145.34 | 33.65 | 12.28 | 46.99 T | 55.28 |
| Top flg.spl. | 146.43 | 32.37 | 11.82 | 45.98 | 55.49 |
| Bot flg.spl. | 146.41 | 32.40 | 11.83 | 46.01 | 55.49 |
| 22 | 152.27 | 25.53 | 9.33 | 40.65 T | 56.64 |
| Bot flg.spl. | 157.41 | 19.60 | 7.15 | 35.72 | 56.00 |
| 23 | 159.20 | 17.53 | 6.38 | 34.00 T | 55.78 |
| 24 | 166.14 | 9.26 | 3.41 | 30.68 T | 46.59 |
| 25 | 173.07 | 1.12 | 0.48 | 28.53 T | 49.20 |
| 26 | 180.00 | -6.63 | -2.48 | -29.83 T | 46.75 |
| 27 | 186.94 | -14.89 | -5.42 | -33.59 T | 48.82 |
| Top flg.spl. | 188.26 | -16.55 | -5.99 | -34.90 | 50.68 |
| 28 | 193.87 | -23.55 | -8.39 | -40.42 T | 58.53 |
| Top flg.spl. | 199.26 | -30.03 | -10.69 | -44.73 | 59.15 |
| Bot flg.spl. | 199.24 | -30.00 | -10.68 | -44.71 | 59.15 |
| 29 | 200.80 | -31.88 | -11.35 | -45.96 T | 59.33 |
| 30 | 207.74L | -39.87 | -14.30 | -57.25 T | 65.77 |
| 30 | 207.74R | 40.16 | 14.99 | 58.28 T | 59.84 |
| 31 | 214.76 | 32.06 | 12.00 | 52.28 T | 55.64 |
| Top flg.spl. | 217.26 | 29.17 | 10.93 | 52.14 | 56.73 |
| Bot flg.spl. | 217.24 | 29.20 | 10.94 | 52.14 | 56.72 |
| 32 | 221.79 | 23.95 | 9.01 | 51.89 T | 58.71 |
| Top flg.spl. | 228.26 | 16.86 | 6.25 | 39.57 | 59.78 |
| Bot flg.spl. | 228.24 | 16.88 | 6.26 | 39.62 | 59.78 |
| 33 | 228.81 | 16.26 | 6.01 | 38.53 T | 59.88 |
| 34 | 235.84 | 8.67 | 3.02 | 31.33 T | 45.20 |
| 35 | 242.86 | 1.07 | 0.03 | 29.13 T | 53.29 |
| 36 | 249.89 | -6.48 | -2.96 | -31.30 T | 55.28 |
| 37 | 256.91 | -14.24 | -5.97 | -39.91 T | 52.27 |
| 38 | 263.94 | -21.84 | -8.96 | -55.51 T | 61.85 |
| Top flg.spl. | 267.59 | -26.18 | -10.52 | -58.36 | 64.37 |
| Bot flg.spl. | 267.57 | -26.15 | -10.51 | -58.34 | 64.35 |
| 39 | 270.96 | -30.19 | -11.96 | -60.97 T | 66.68 |

| | | | | | | |
|--------------|---------|--------|--------|--------|---|-------|
| 40 | 277.99L | -38.51 | -14.95 | -64.30 | T | 68.62 |
| 40 | 277.99R | 71.09 | 24.80 | 66.93 | L | 74.77 |
| 41 | 289.45 | 57.50 | 19.92 | 56.56 | T | 75.26 |
| Bot flg.spl. | 294.97 | 50.64 | 17.54 | 52.59 | | 67.59 |
| 42 | 300.92 | 43.25 | 14.98 | 48.31 | T | 59.33 |
| Top flg.spl. | 312.25 | 29.44 | 10.18 | 41.68 | | 60.36 |
| Bot flg.spl. | 312.22 | 29.47 | 10.19 | 41.69 | | 60.36 |
| 43 | 312.38 | 29.27 | 10.12 | 41.60 | T | 60.37 |
| 44 | 323.85 | 15.10 | 5.24 | 30.66 | T | 54.80 |
| 45 | 335.31 | 0.96 | 0.33 | 30.44 | T | 59.64 |
| 46 | 346.78 | -12.87 | -4.49 | -29.52 | T | 55.52 |
| 47 | 358.24 | -27.07 | -9.37 | -39.80 | T | 57.07 |
| Top flg.spl. | 358.41 | -27.28 | -9.45 | -39.90 | | 57.10 |
| Bot flg.spl. | 358.39 | -27.25 | -9.44 | -39.89 | | 57.09 |
| 48 | 369.71 | -41.22 | -14.30 | -46.27 | T | 59.23 |
| Bot flg.spl. | 375.64 | -48.54 | -16.85 | -50.80 | | 64.28 |
| 49 | 381.17 | -55.35 | -19.22 | -55.03 | T | 68.99 |
| 50 | 392.64L | -68.94 | -24.11 | -69.03 | T | 77.79 |
| 50 | 392.64R | 30.10 | 11.70 | 63.52 | T | 69.48 |
| 51 | 398.22 | 23.49 | 9.33 | 51.86 | T | 57.81 |
| Top flg.spl. | 402.14 | 18.86 | 7.65 | 48.86 | | 54.81 |
| Bot flg.spl. | 402.12 | 18.89 | 7.66 | 48.88 | | 54.83 |

↑ Dummy
Spans

↓ Bridge
69801D

| | | | | | | |
|--------------|---------|--------|--------|--------|---|-------|
| 52 | 403.80 | 16.90 | 6.94 | 47.60 | T | 53.55 |
| 53 | 409.38 | 10.84 | 4.57 | 43.07 | T | 50.42 |
| 54 | 414.97 | 4.78 | 2.19 | 25.24 | T | 40.02 |
| 55 | 420.55 | -1.07 | -0.19 | 20.72 | T | 35.95 |
| 56 | 426.13 | -7.04 | -2.57 | -26.12 | T | 46.24 |
| 57 | 431.72 | -13.01 | -4.95 | -23.12 | T | 31.77 |
| 58 | 437.30 | -19.11 | -7.33 | -36.87 | T | 43.79 |
| 59 | 442.88 | -25.26 | -9.71 | -48.35 | T | 52.96 |
| 60 | 448.46L | -31.36 | -12.09 | -51.72 | T | 53.58 |
| 60 | 448.46R | 34.21 | 13.78 | 55.37 | T | 60.33 |
| 61 | 455.32 | 26.75 | 10.86 | 55.29 | T | 63.82 |
| 62 | 462.18 | 19.29 | 7.94 | 41.53 | T | 55.41 |
| 63 | 469.04 | 12.03 | 5.01 | 36.40 | T | 46.35 |
| 64 | 475.89 | 4.70 | 2.09 | 28.08 | T | 50.99 |
| 65 | 482.75 | -2.63 | -0.87 | 32.86 | T | 64.08 |
| 66 | 489.61 | -9.89 | -3.79 | -26.96 | T | 50.02 |
| 67 | 496.47 | -17.22 | -6.71 | -35.00 | T | 45.66 |
| 68 | 503.32 | -24.85 | -9.70 | -40.74 | T | 50.43 |
| 69 | 510.18 | -32.42 | -12.63 | -51.92 | T | 58.27 |
| 70 | 517.04L | -39.99 | -15.55 | -58.58 | T | 61.99 |
| 70 | 517.04R | 39.20 | 15.18 | 59.20 | T | 63.39 |
| 71 | 523.93 | 31.52 | 12.25 | 48.74 | T | 55.18 |
| 72 | 530.82 | 24.15 | 9.31 | 38.07 | T | 51.28 |
| 73 | 537.70 | 16.61 | 6.36 | 38.01 | T | 47.18 |
| 74 | 544.59 | 9.25 | 3.42 | 27.78 | T | 52.80 |
| 75 | 551.48 | 1.87 | 0.48 | 22.93 | T | 43.52 |
| 76 | 558.37 | -5.41 | -2.52 | -28.72 | T | 52.16 |
| 77 | 565.26 | -12.77 | -5.45 | -34.28 | T | 45.81 |
| 78 | 572.14 | -20.22 | -8.46 | -40.91 | T | 51.37 |
| 79 | 579.03 | -27.59 | -11.39 | -52.25 | T | 59.41 |
| 80 | 585.92L | -35.08 | -14.33 | -58.62 | T | 63.15 |
| 80 | 585.92R | 33.53 | 13.14 | 54.62 | T | 60.18 |
| 81 | 591.44 | 27.53 | 10.79 | 51.00 | T | 58.21 |
| 82 | 596.95 | 21.53 | 8.44 | 45.72 | T | 58.35 |
| 83 | 602.47 | 15.53 | 6.09 | 36.27 | T | 46.75 |
| 84 | 607.98 | 9.79 | 3.70 | 29.87 | L | 44.38 |
| 85 | 613.50 | 3.89 | 1.35 | 24.12 | T | 43.95 |
| 86 | 619.02 | -2.01 | -1.00 | -25.42 | T | 42.48 |
| 87 | 624.53 | -7.99 | -3.35 | -27.50 | T | 42.47 |
| 88 | 630.05 | -13.88 | -5.70 | -37.39 | T | 48.09 |
| 89 | 635.57 | -19.78 | -8.05 | -41.53 | T | 49.57 |
| 90 | 641.08L | -25.68 | -10.40 | -51.38 | T | 56.24 |
| 90 | 641.08R | 29.64 | 11.73 | 52.29 | T | 62.83 |
| Bot flg.spl. | 647.13 | 22.56 | 9.15 | 46.40 | | 51.28 |
| 91 | 647.14 | 22.54 | 9.14 | 46.39 | T | 51.26 |

↑ Bridge
69801D

↓ Dummy
Spans

| | | | | | | |
|--------------|--------|--------|--------|--------|---|-------|
| Top flg.spl. | 647.15 | 22.53 | 9.14 | 46.38 | | 51.25 |
| 92 | 653.20 | 15.99 | 6.56 | 41.18 | T | 47.04 |
| 93 | 659.26 | 9.44 | 3.98 | 32.98 | T | 47.00 |
| 94 | 665.32 | 2.85 | 1.43 | 26.63 | L | 42.30 |
| 95 | 671.38 | -3.72 | -1.16 | -23.80 | T | 43.03 |
| 96 | 677.44 | -10.26 | -3.69 | -24.42 | T | 44.50 |
| 97 | 683.50 | -16.83 | -6.27 | -32.59 | T | 42.42 |
| 98 | 689.56 | -23.59 | -8.81 | -39.27 | T | 48.09 |
| 99 | 695.62 | -30.28 | -11.39 | -47.65 | T | 52.60 |

| | | | | | |
|-----|---------|--------|--------|----------|-------|
| 100 | 701.68L | -37.07 | -13.97 | -55.96 T | 58.34 |
| 100 | 701.68R | 36.51 | 14.04 | 54.76 T | 59.20 |
| 101 | 708.40 | 29.10 | 11.18 | 48.03 T | 54.44 |
| 102 | 715.12 | 21.77 | 8.30 | 42.15 T | 54.78 |
| 103 | 721.84 | 14.36 | 5.48 | 34.31 T | 48.93 |
| 104 | 728.56 | 7.03 | 2.59 | 27.11 L | 49.18 |
| 105 | 735.28 | -0.17 | -0.14 | 22.53 T | 43.67 |
| 106 | 742.00 | -7.49 | -3.02 | -28.28 T | 42.56 |
| 107 | 748.72 | -14.69 | -5.78 | -32.91 T | 45.41 |
| 108 | 755.44 | -22.00 | -8.66 | -42.30 T | 50.52 |
| 109 | 762.16 | -29.55 | -11.52 | -47.50 T | 53.96 |
| 110 | 768.88L | -37.12 | -14.39 | -57.76 T | 61.44 |
| 110 | 768.88R | 36.71 | 14.27 | 59.01 T | 63.55 |
| 111 | 775.54 | 29.21 | 11.44 | 47.58 T | 54.83 |
| 112 | 782.20 | 21.81 | 8.58 | 40.87 T | 53.03 |
| 113 | 788.86 | 14.45 | 5.75 | 34.13 T | 49.61 |
| 114 | 795.53 | 7.21 | 2.91 | 27.49 T | 51.47 |
| 115 | 802.19 | 0.04 | 0.03 | 22.40 T | 44.70 |
| 116 | 808.85 | -7.22 | -2.83 | -30.34 T | 45.91 |
| 117 | 815.51 | -14.49 | -5.76 | -33.85 T | 47.87 |
| 118 | 822.17 | -21.74 | -8.61 | -41.52 T | 51.15 |
| 119 | 828.83 | -29.35 | -11.50 | -48.62 T | 55.84 |
| 120 | 835.49L | -36.89 | -14.34 | -57.89 T | 62.79 |
| 120 | 835.49R | 36.92 | 14.40 | 55.46 T | 59.53 |
| 121 | 842.11 | 29.43 | 11.57 | 48.34 T | 54.38 |
| 122 | 848.74 | 21.91 | 8.68 | 43.07 T | 51.56 |
| 123 | 855.36 | 14.73 | 5.85 | 34.79 T | 50.01 |
| 124 | 861.98 | 7.55 | 2.92 | 30.05 T | 44.11 |
| 125 | 868.61 | 0.37 | 0.10 | 21.90 T | 43.21 |
| 126 | 875.23 | -6.86 | -2.84 | -27.24 T | 51.34 |
| 127 | 881.85 | -14.04 | -5.67 | -34.25 T | 47.64 |
| 128 | 888.47 | -21.40 | -8.52 | -41.15 T | 52.24 |
| 129 | 895.10 | -28.71 | -11.35 | -49.49 T | 56.26 |
| 130 | 901.72L | -36.14 | -14.17 | -58.37 T | 63.23 |
| 130 | 901.72R | 36.85 | 14.09 | 53.79 T | 55.91 |
| 131 | 907.01 | 30.92 | 11.84 | 47.39 T | 51.33 |
| 132 | 912.29 | 25.18 | 9.59 | 42.87 T | 51.52 |
| 133 | 917.58 | 19.19 | 7.29 | 36.35 T | 42.41 |
| 134 | 922.87 | 13.46 | 5.04 | 29.74 L | 45.82 |
| 135 | 928.16 | 7.70 | 2.73 | 28.28 T | 42.68 |
| 136 | 933.44 | 1.97 | 0.48 | 21.29 T | 42.15 |
| 137 | 938.73 | -3.76 | -1.77 | -27.06 T | 40.22 |
| 138 | 944.02 | -9.45 | -4.02 | -33.40 T | 46.11 |
| 139 | 949.31 | -15.18 | -6.27 | -40.99 T | 49.14 |
| 140 | 954.59 | -20.91 | -8.52 | -42.49 T | 47.32 |

Ranges shown in this table not used for fatigue.

T - governed by truck loading
L - governed by lane loading

HS20-Service Loads

Girder 3 Service Moment - k-ft

| Tenth Point | Location | Noncomp Dead | Comp Dead | Max LL+I | Min LL+I | Range |
|-------------|----------|--------------|-----------|-----------|-----------|---------|
| 0 | 0.00 | 0.00 | 0.00 | 0.02 T | -0.02 T | 0.03 |
| 1 | 6.36 | 133.16 | 57.31 | 272.68 T | -50.08 T | 322.76 |
| 2 | 12.71 | 223.54 | 97.43 | 455.47 T | -97.62 T | 553.09 |
| 3 | 19.07 | 271.71 | 120.27 | 574.65 T | -144.25 T | 718.90 |
| 4 | 25.43 | 277.43 | 126.02 | 644.58 T | -187.29 T | 831.87 |
| 5 | 31.79 | 240.45 | 114.45 | 636.86 T | -228.23 T | 865.09 |
| 6 | 38.14 | 161.18 | 85.75 | 601.95 T | -266.36 T | 868.31 |
| Top flg.spl | 42.58 | 75.55 | 53.64 | 527.35 | -288.93 | 816.28 |
| 7 | 44.50 | 38.45 | 39.73 | 495.03 T | -298.70 T | 793.73 |
| 8 | 50.86 | -126.59 | -23.42 | 346.30 T | -328.38 T | 674.68 |
| Top flg.spl | 53.58 | -216.46 | -57.85 | 255.08 | -338.21 | 593.29 |
| Bot.flg.spl | 53.58 | -216.46 | -57.85 | 255.08 | -338.21 | 593.29 |
| 9 | 57.22 | -336.55 | -103.87 | 133.16 T | -351.36 T | 484.53 |
| 10 | 63.57 | -591.88 | -200.70 | 106.41 T | -444.77 L | 551.18 |
| 11 | 71.06 | -310.84 | -90.69 | 106.87 L | -242.23 T | 349.10 |
| Top flg.spl | 73.58 | -237.00 | -61.59 | 173.46 | -237.04 | 410.50 |
| Bot.flg.spl | 73.58 | -237.00 | -61.59 | 173.46 | -237.04 | 410.50 |
| 12 | 78.54 | -91.82 | -4.39 | 304.37 T | -226.86 T | 531.23 |
| Top flg.spl | 84.58 | 37.34 | 44.92 | 458.21 | -218.13 | 676.34 |
| 13 | 86.02 | 68.21 | 56.70 | 494.98 T | -216.04 T | 711.02 |
| 14 | 93.51 | 167.64 | 95.17 | 611.47 T | -191.90 T | 803.37 |
| 15 | 100.99 | 206.96 | 109.70 | 619.64 T | -164.68 T | 784.32 |
| 16 | 108.47 | 186.73 | 100.36 | 614.02 T | -180.48 T | 794.50 |
| 17 | 115.96 | 107.12 | 67.31 | 499.48 T | -204.79 T | 704.27 |
| Top flg.spl | 117.41 | 79.91 | 56.24 | 464.85 | -207.51 | 672.36 |
| 18 | 123.44 | -32.95 | 10.31 | 321.22 T | -218.79 T | 540.01 |
| Top flg.spl | 128.41 | -166.64 | -42.62 | 190.14 | -231.13 | 421.27 |
| Bot.flg.spl | 128.41 | -166.64 | -42.62 | 190.14 | -231.13 | 421.27 |
| 19 | 130.92 | -234.23 | -69.38 | 123.86 L | -237.37 T | 361.23 |
| 20 | 138.41 | -496.68 | -174.07 | 108.79 T | -437.34 L | 546.14 |
| 21 | 145.34 | -243.63 | -78.65 | 155.40 T | -325.57 T | 480.97 |
| Bot.flg.spl | 146.41 | -212.78 | -67.09 | 189.22 | -322.57 | 511.79 |
| Top flg.spl | 146.43 | -212.09 | -66.83 | 189.98 | -322.50 | 512.48 |
| 22 | 152.28 | -43.62 | -3.71 | 374.71 T | -306.08 T | 680.80 |
| Bot.flg.spl | 157.41 | 65.46 | 36.37 | 495.03 | -296.04 | 791.07 |
| 23 | 159.21 | 103.69 | 50.41 | 537.20 T | -292.53 T | 829.72 |
| 24 | 166.14 | 198.54 | 84.57 | 638.85 T | -268.61 T | 907.46 |
| 25 | 173.08 | 236.99 | 98.16 | 652.01 T | -229.78 T | 881.79 |
| 26 | 180.01 | 217.04 | 91.14 | 621.40 T | -239.82 T | 861.22 |
| 27 | 186.95 | 140.93 | 63.63 | 519.74 T | -262.18 T | 781.93 |
| Top flg.spl | 188.26 | 115.92 | 54.52 | 487.28 | -263.11 | 750.39 |
| 28 | 193.88 | 9.23 | 15.67 | 348.77 T | -267.08 T | 615.85 |
| Bot.flg.spl | 199.24 | -134.75 | -37.13 | 193.09 | -271.69 | 464.77 |
| Top flg.spl | 199.26 | -135.40 | -37.37 | 192.39 | -271.71 | 464.10 |
| 29 | 200.82 | -177.10 | -52.66 | 147.29 L | -273.04 T | 420.33 |
| 30 | 207.75 | -417.40 | -141.53 | 139.90 L | -420.70 L | 560.60 |
| 31 | 214.77 | -171.04 | -46.77 | 181.58 L | -287.90 T | 469.48 |
| Bot.flg.spl | 217.24 | -103.21 | -21.04 | 233.63 | -277.36 | 510.99 |
| Top flg.spl | 217.26 | -102.55 | -20.79 | 234.14 | -277.26 | 511.40 |
| 32 | 221.80 | 22.19 | 26.51 | 329.86 T | -257.86 T | 587.73 |
| Bot.flg.spl | 228.24 | 148.97 | 74.87 | 479.96 | -231.50 | 711.46 |
| Top flg.spl | 228.26 | 149.44 | 75.05 | 480.52 | -231.40 | 711.92 |
| 33 | 228.82 | 160.42 | 79.24 | 493.52 T | -229.11 T | 722.63 |
| 34 | 235.85 | 246.79 | 110.73 | 563.16 T | -197.57 T | 760.73 |
| 35 | 242.87 | 280.77 | 121.42 | 564.64 T | -163.13 T | 727.77 |
| 36 | 249.89 | 260.94 | 111.22 | 524.16 T | -120.74 T | 644.90 |
| 37 | 256.92 | 189.45 | 80.00 | 375.87 T | -76.18 T | 452.05 |
| 38 | 263.94 | 65.66 | 27.69 | 128.75 T | -25.99 T | 154.74 |
| Bot.flg.spl | 267.57 | 0.04 | 0.01 | -0.01 | 0.06 | -0.07 |
| Top flg.spl | 267.59 | 0.04 | 0.02 | -0.01 | 0.08 | -0.09 |
| 39 | 270.96 | -92.60 | -38.23 | 27.61 T | -160.44 T | 188.04 |
| 40 | 277.99 | -324.32 | -132.53 | 84.81 T | -489.16 T | 573.97 |
| 41 | 289.45 | 401.07 | 123.41 | 639.51 T | -495.16 T | 1134.68 |
| Bot.flg.spl | 294.97 | 676.09 | 220.31 | 845.86 | -495.23 | 1341.10 |
| 42 | 300.92 | 972.41 | 324.71 | 1068.19 T | -495.31 T | 1563.50 |
| Bot.flg.spl | 312.22 | 1379.01 | 466.64 | 1364.70 | -480.73 | 1845.43 |

| | | | | | | |
|-------------|--------|---------|--------|-----------|-----------|---------|
| Top flg.spl | 312.25 | 1379.85 | 466.93 | 1365.32 | -480.70 | 1846.02 |
| 43 | 312.39 | 1384.89 | 468.69 | 1368.99 T | -480.52 T | 1849.51 |
| 44 | 323.85 | 1639.02 | 556.54 | 1566.29 T | -447.66 T | 2013.95 |
| 45 | 335.32 | 1729.52 | 588.33 | 1606.07 T | -398.80 T | 2004.87 |
| 46 | 346.79 | 1659.28 | 564.11 | 1559.37 T | -414.52 T | 1973.89 |
| 47 | 358.25 | 1428.06 | 483.89 | 1378.97 T | -441.78 T | 1820.75 |
| Bot.flg.spl | 358.39 | 1423.34 | 482.26 | 1375.15 | -441.86 | 1817.01 |
| Top flg.spl | 358.41 | 1422.54 | 481.98 | 1374.50 | -441.87 | 1816.38 |
| 48 | 369.72 | 1033.83 | 347.67 | 1059.80 T | -448.54 T | 1508.33 |
| Bot.flg.spl | 375.64 | 750.49 | 248.35 | 817.64 | -443.98 | 1261.61 |
| 49 | 381.19 | 485.10 | 155.31 | 590.81 T | -439.71 T | 1030.52 |
| 50 | 392.65 | -217.15 | -90.29 | 77.89 T | -422.78 T | 500.67 |
| 51 | 398.23 | -74.41 | -31.62 | 32.00 T | -172.98 T | 204.98 |
| Bot.flg.spl | 402.12 | 0.01 | 0.00 | 0.02 | 0.00 | 0.02 |
| Top flg.spl | 402.14 | 0.01 | 0.00 | 0.01 | 0.00 | 0.02 |

Dummy Spans

Bridge 698010

| | | | | | | |
|-------------|--------|---------|---------|----------|-----------|--------|
| 52 | 403.82 | 28.95 | 12.35 | 75.69 T | -12.83 T | 88.52 |
| 53 | 409.40 | 103.39 | 44.48 | 269.51 T | -55.18 T | 324.69 |
| 54 | 414.98 | 145.33 | 63.35 | 383.76 T | -97.88 T | 481.64 |
| 55 | 420.56 | 126.43 | 55.13 | 374.96 T | -136.04 T | 511.00 |
| 56 | 426.14 | 104.53 | 47.50 | 369.43 T | -171.21 T | 540.64 |
| 57 | 431.72 | 50.85 | 26.60 | 348.61 T | -206.39 T | 555.00 |
| 58 | 437.30 | -35.89 | -7.47 | 221.45 T | -234.63 T | 456.08 |
| 59 | 442.88 | -155.04 | -54.92 | 124.58 L | -265.34 T | 389.93 |
| 60 | 448.46 | -308.89 | -114.54 | 91.66 T | -325.61 L | 417.28 |
| 61 | 455.32 | -108.10 | -30.47 | 101.56 L | -164.65 T | 266.21 |
| 62 | 462.18 | 43.52 | 33.56 | 314.29 T | -155.36 T | 469.64 |
| 63 | 469.04 | 151.99 | 75.32 | 451.86 T | -145.19 T | 597.05 |
| 64 | 475.90 | 206.69 | 99.35 | 539.39 T | -128.82 T | 668.21 |
| 65 | 482.76 | 213.00 | 103.44 | 574.32 T | -160.34 T | 734.66 |
| 66 | 489.62 | 169.35 | 87.44 | 554.07 T | -195.59 T | 749.66 |
| 67 | 496.48 | 77.70 | 51.39 | 480.63 T | -231.73 T | 712.36 |
| 68 | 503.34 | -62.89 | -4.49 | 312.81 T | -261.46 T | 574.28 |
| 69 | 510.20 | -252.60 | -80.39 | 147.65 T | -287.65 T | 435.30 |
| 70 | 517.06 | -496.39 | -174.72 | 80.47 T | -388.43 L | 468.90 |
| 71 | 523.99 | -257.06 | -78.52 | 85.01 L | -219.58 T | 304.59 |
| 72 | 530.93 | -68.64 | -2.83 | 318.81 T | -204.26 T | 523.08 |
| 73 | 537.87 | 77.76 | 54.51 | 448.64 T | -185.68 T | 634.32 |
| 74 | 544.81 | 167.16 | 88.70 | 547.54 T | -157.75 T | 705.30 |
| 75 | 551.75 | 207.05 | 102.51 | 590.45 T | -134.07 T | 724.52 |
| 76 | 558.68 | 192.40 | 94.48 | 535.05 T | -151.75 T | 686.80 |
| 77 | 565.62 | 128.64 | 65.94 | 452.62 T | -175.81 T | 628.43 |
| 78 | 572.56 | 13.92 | 16.79 | 265.43 T | -191.94 T | 457.37 |
| 79 | 579.50 | -151.02 | -53.23 | 111.31 L | -210.70 T | 322.01 |
| 80 | 586.44 | -370.06 | -141.40 | 94.12 T | -379.55 L | 473.68 |
| 81 | 591.88 | -209.82 | -76.56 | 108.52 L | -304.28 T | 412.79 |
| 82 | 597.33 | -80.60 | -24.36 | 260.13 T | -275.42 T | 535.55 |
| 83 | 602.78 | 17.60 | 15.19 | 403.38 T | -252.50 T | 655.87 |
| 84 | 608.23 | 91.33 | 40.18 | 476.65 T | -224.72 T | 701.37 |
| 85 | 613.67 | 127.91 | 54.16 | 501.81 T | -193.43 T | 695.24 |
| 86 | 619.12 | 134.22 | 55.49 | 521.15 T | -188.99 T | 710.14 |
| 87 | 624.57 | 109.14 | 44.15 | 480.02 T | -225.49 T | 705.51 |
| 88 | 630.02 | 51.59 | 19.37 | 377.48 T | -254.35 T | 631.84 |
| 89 | 635.46 | -36.24 | -18.06 | 260.51 T | -283.45 T | 543.96 |
| 90 | 640.91 | -155.04 | -64.34 | 76.40 T | -313.96 T | 390.36 |
| Bot.flg.spl | 646.94 | -0.29 | -0.11 | 5.32 | -5.22 | 10.54 |
| Top flg.spl | 646.97 | 0.32 | 0.14 | 5.05 | -4.01 | 9.06 |
| 91 | 647.03 | 2.01 | 0.84 | 4.27 T | -0.64 T | 4.92 |

Bridge 698010

| | | | | | | |
|-----|--------|---------|---------|----------|-----------|--------|
| 92 | 653.16 | 119.32 | 49.95 | 265.51 T | -44.62 T | 310.14 |
| 93 | 659.28 | 197.83 | 83.09 | 428.73 T | -88.60 T | 517.33 |
| 94 | 665.40 | 205.01 | 87.15 | 497.41 T | -128.65 T | 626.06 |
| 95 | 671.52 | 201.71 | 87.59 | 521.23 T | -165.67 T | 686.90 |
| 96 | 677.65 | 158.34 | 71.92 | 503.51 T | -200.52 T | 704.03 |
| 97 | 683.77 | 73.47 | 39.44 | 426.60 T | -230.66 T | 657.26 |
| 98 | 689.89 | -50.51 | -8.91 | 283.61 T | -260.64 T | 544.24 |
| 99 | 696.01 | -214.14 | -73.63 | 123.57 L | -286.72 T | 410.29 |
| 100 | 702.14 | -420.28 | -152.98 | 99.90 T | -380.47 L | 480.37 |
| 101 | 708.93 | -200.47 | -63.78 | 98.71 L | -225.54 T | 324.25 |
| 102 | 715.72 | -25.05 | 4.53 | 298.49 T | -210.41 T | 508.91 |
| 103 | 722.51 | 96.33 | 53.72 | 451.06 T | -187.84 T | 638.89 |
| 104 | 729.31 | 171.30 | 83.99 | 551.60 T | -165.40 T | 717.00 |
| 105 | 736.10 | 194.15 | 93.09 | 572.28 T | -154.27 T | 726.55 |
| 106 | 742.89 | 168.74 | 82.53 | 557.66 T | -194.36 T | 752.02 |
| 107 | 749.69 | 92.02 | 51.11 | 461.85 T | -223.95 T | 685.80 |
| 108 | 756.48 | -33.38 | -0.16 | 311.14 T | -254.58 T | 565.72 |
| 109 | 763.27 | -207.25 | -71.03 | 127.56 L | -275.85 T | 403.41 |
| 110 | 770.07 | -433.90 | -160.20 | 97.88 T | -415.44 L | 513.32 |
| 111 | 776.80 | -215.02 | -72.14 | 122.63 L | -275.14 T | 397.76 |
| 112 | 783.54 | -41.42 | -4.56 | 304.28 T | -251.64 T | 555.91 |

Dummy Spans

| | | | | | | |
|-----|--------|---------|---------|----------|-----------|--------|
| 113 | 790.27 | 79.74 | 44.53 | 455.78 T | -222.92 T | 678.69 |
| 114 | 797.01 | 154.95 | 74.87 | 552.65 T | -194.18 T | 746.83 |
| 115 | 803.74 | 179.11 | 85.01 | 572.68 T | -163.23 T | 735.91 |
| 116 | 810.47 | 156.04 | 75.91 | 560.07 T | -192.99 T | 753.06 |
| 117 | 817.21 | 82.94 | 46.96 | 472.36 T | -223.43 T | 695.78 |
| 118 | 823.94 | -37.95 | -1.45 | 327.29 T | -254.86 T | 582.15 |
| 119 | 830.68 | -205.98 | -68.91 | 122.07 T | -277.92 T | 400.00 |
| 120 | 837.41 | -425.99 | -154.35 | 86.84 T | -384.49 L | 471.32 |
| 121 | 844.11 | -209.26 | -67.38 | 111.03 L | -236.08 T | 347.10 |
| 122 | 850.80 | -37.68 | 1.75 | 280.28 T | -217.02 T | 497.30 |
| 123 | 857.50 | 82.91 | 50.49 | 429.19 T | -191.41 T | 620.60 |
| 124 | 864.19 | 157.26 | 78.35 | 518.87 T | -165.72 T | 684.60 |
| 125 | 870.89 | 181.65 | 88.72 | 529.31 T | -131.58 T | 660.88 |
| 126 | 877.58 | 159.31 | 80.05 | 513.03 T | -133.66 T | 646.69 |
| 127 | 884.27 | 86.97 | 51.77 | 418.83 T | -150.31 T | 569.14 |
| 128 | 890.97 | -31.98 | 6.48 | 266.11 T | -167.22 T | 433.33 |
| 129 | 897.66 | -198.44 | -60.08 | 82.46 L | -179.07 T | 261.53 |
| 130 | 904.36 | -415.10 | -146.55 | 92.76 T | -345.97 L | 438.74 |
| 131 | 909.71 | -236.34 | -76.64 | 110.81 L | -293.92 T | 404.73 |
| 132 | 915.05 | -87.55 | -18.91 | 278.05 T | -268.04 T | 546.09 |
| 133 | 920.40 | 31.74 | 25.45 | 394.19 T | -243.06 T | 637.25 |
| 134 | 925.75 | 119.69 | 58.90 | 477.19 T | -213.89 T | 691.08 |
| 135 | 931.09 | 177.82 | 80.28 | 510.59 T | -184.88 T | 695.47 |
| 136 | 936.44 | 203.32 | 88.88 | 511.62 T | -150.11 T | 661.73 |
| 137 | 941.79 | 199.22 | 85.31 | 466.24 T | -115.47 T | 581.71 |
| 138 | 947.13 | 163.56 | 69.32 | 375.43 T | -78.39 T | 453.81 |
| 139 | 952.48 | 96.66 | 40.69 | 222.18 T | -39.12 T | 261.30 |
| 140 | 957.83 | 0.00 | 0.00 | 0.24 T | -0.26 T | 0.50 |

T - governed by truck loading

L - governed by lane loading

Range shown in this table not used for fatigue.

At Bracing

Brace No.

| | | | | | |
|----|--------|---------|---------|---------|---------|
| 2 | 6.01 | 125.80 | 54.14 | 257.60 | -47.32 |
| 3 | 17.59 | 260.51 | 114.96 | 546.94 | -133.41 |
| 4 | 29.09 | 256.14 | 119.36 | 640.13 | -210.86 |
| 5 | 40.57 | 114.38 | 68.20 | 561.18 | -278.69 |
| 6 | 52.08 | -166.89 | -38.86 | 305.40 | -332.79 |
| 7 | 63.57 | -591.88 | -200.70 | 106.41 | -444.77 |
| 8 | 74.46 | -211.34 | -51.48 | 196.60 | -235.24 |
| 9 | 85.12 | 48.88 | 49.33 | 471.96 | -217.35 |
| 10 | 95.78 | 179.60 | 99.59 | 613.95 | -183.62 |
| 11 | 106.43 | 192.25 | 102.91 | 615.55 | -176.16 |
| 12 | 117.09 | 85.82 | 58.64 | 472.36 | -206.92 |
| 13 | 127.76 | -149.11 | -35.68 | 207.33 | -229.51 |
| 14 | 138.41 | -496.68 | -174.07 | 108.79 | -437.34 |
| 15 | 146.50 | -210.25 | -66.14 | 192.00 | -322.32 |
| 16 | 155.25 | 19.54 | 19.49 | 444.38 | -300.27 |
| 17 | 164.00 | 169.20 | 74.01 | 607.41 | -276.01 |
| 18 | 172.75 | 235.16 | 97.51 | 651.38 | -231.62 |
| 19 | 181.50 | 200.72 | 85.25 | 599.60 | -244.61 |
| 20 | 190.25 | 78.21 | 40.79 | 438.32 | -264.51 |
| 21 | 199.00 | -128.31 | -34.77 | 200.05 | -271.48 |
| 22 | 207.75 | -417.40 | -141.53 | 139.90 | -420.70 |
| 23 | 219.57 | -38.99 | 3.31 | 282.91 | -267.37 |
| 24 | 231.57 | 194.22 | 91.56 | 520.78 | -216.77 |
| 25 | 243.57 | 278.80 | 120.41 | 560.62 | -158.92 |
| 26 | 255.56 | 203.22 | 86.01 | 404.43 | -84.76 |
| 27 | 267.58 | 0.04 | 0.02 | -0.01 | 0.07 |
| 28 | 277.99 | -324.32 | -132.53 | 84.81 | -489.16 |
| 29 | 293.95 | 625.20 | 202.38 | 807.68 | -495.22 |
| 30 | 310.25 | 1307.85 | 441.80 | 1312.81 | -483.28 |
| 31 | 326.70 | 1661.45 | 564.42 | 1576.15 | -435.55 |
| 32 | 343.13 | 1681.68 | 571.83 | 1574.26 | -409.50 |
| 33 | 359.61 | 1381.38 | 467.76 | 1341.18 | -442.58 |
| 34 | 376.19 | 724.36 | 239.19 | 795.31 | -443.56 |
| 35 | 392.65 | -217.15 | -90.29 | 77.89 | -422.78 |
| 36 | 402.13 | 0.01 | 0.00 | 0.02 | 0.00 |
| 37 | 417.56 | 136.60 | 59.55 | 379.70 | -115.50 |
| 38 | 433.02 | 30.69 | 18.68 | 319.06 | -212.95 |

| | | | | | |
|----|--------|---------|---------|--------|---------|
| 39 | 448.46 | -308.89 | -114.54 | 91.66 | -325.61 |
| 40 | 465.60 | 97.63 | 54.39 | 382.91 | -150.29 |
| 41 | 482.76 | 213.00 | 103.44 | 574.32 | -160.35 |
| 42 | 499.90 | 7.56 | 23.51 | 396.90 | -246.56 |
| 43 | 517.06 | -496.39 | -174.72 | 80.47 | -388.43 |
| 44 | 534.30 | 2.43 | 25.01 | 381.84 | -195.24 |
| 45 | 551.64 | 206.41 | 102.29 | 589.76 | -134.45 |
| 46 | 569.08 | 71.45 | 41.44 | 359.30 | -183.85 |
| 47 | 586.44 | -370.06 | -141.40 | 94.12 | -379.55 |
| 48 | 604.97 | 47.29 | 25.25 | 432.88 | -241.31 |
| 49 | 623.49 | 114.11 | 46.40 | 488.18 | -218.25 |
| 50 | 640.91 | -155.04 | -64.34 | 76.40 | -313.95 |
| 51 | 646.94 | -0.29 | -0.11 | 5.32 | -5.22 |
| 52 | 662.12 | 201.17 | 84.98 | 460.64 | -107.21 |
| 53 | 675.85 | 171.03 | 76.50 | 508.70 | -190.32 |
| 54 | 689.58 | -44.17 | -6.44 | 290.92 | -259.10 |
| 55 | 702.14 | -420.27 | -152.98 | 99.90 | -380.47 |
| 56 | 715.79 | -23.90 | 5.00 | 299.94 | -210.20 |
| 57 | 729.34 | 171.41 | 84.03 | 551.69 | -165.35 |
| 58 | 742.92 | 168.40 | 82.39 | 557.23 | -194.49 |
| 59 | 756.49 | -33.73 | -0.30 | 310.77 | -254.63 |
| 60 | 770.07 | -433.89 | -160.19 | 97.88 | -415.44 |
| 61 | 783.58 | -40.59 | -4.22 | 305.32 | -251.44 |
| 62 | 797.04 | 155.07 | 74.92 | 552.76 | -194.02 |
| 63 | 810.49 | 155.83 | 75.82 | 559.83 | -193.08 |
| 64 | 823.96 | -38.25 | -1.56 | 326.93 | -254.90 |
| 65 | 837.41 | -425.98 | -154.34 | 86.84 | -384.48 |
| 66 | 850.82 | -37.31 | 1.89 | 280.73 | -216.94 |
| 67 | 864.20 | 157.29 | 78.36 | 518.88 | -165.69 |
| 68 | 877.58 | 159.32 | 80.05 | 513.04 | -133.66 |
| 69 | 890.96 | -31.77 | 6.56 | 266.37 | -167.19 |
| 70 | 904.36 | -415.09 | -146.55 | 92.76 | -345.97 |
| 71 | 917.74 | -27.68 | 3.35 | 336.34 | -255.50 |
| 72 | 931.09 | 177.78 | 80.27 | 510.56 | -184.90 |
| 73 | 944.45 | 181.45 | 77.34 | 420.98 | -96.99 |

Girder 3 Service Shear -k

| Tenth Point | Location | Noncomp Dead | Comp Dead | Max LL+I | Range |
|--------------|----------|--------------|-----------|----------|-------|
| 0 | 0.00 | 24.23 | 10.38 | 52.25 T | 60.47 |
| 1 | 6.36 | 17.48 | 7.66 | 45.76 T | 53.51 |
| 2 | 12.71 | 10.95 | 4.96 | 38.44 T | 47.34 |
| 3 | 19.07 | 4.16 | 2.26 | 33.34 T | 47.31 |
| 4 | 25.43 | -2.37 | -0.45 | 22.36 T | 42.86 |
| 5 | 31.79 | -9.20 | -3.16 | -24.22 T | 46.34 |
| 6 | 38.14 | -15.73 | -5.87 | -32.50 T | 44.06 |
| Top flg.spl. | 42.58 | -20.58 | -7.76 | -34.73 | 46.67 |
| 7 | 44.50 | -22.68 | -8.58 | -35.69 T | 47.80 |
| 8 | 50.86 | -29.26 | -11.29 | -48.06 T | 54.64 |
| Top flg.spl. | 53.58 | -32.30 | -12.45 | -48.79 | 55.21 |
| Bot flg.spl. | 53.58 | -32.30 | -12.45 | -48.79 | 55.21 |
| 9 | 57.22 | -36.36 | -14.00 | -49.76 T | 55.96 |
| 10 | 63.57L | -43.30 | -16.70 | -58.02 T | 62.92 |
| 10 | 63.57R | 41.64 | 16.29 | 60.49 T | 68.65 |
| 11 | 71.06 | 33.47 | 13.11 | 52.84 T | 61.41 |
| Top flg.spl. | 73.58 | 30.69 | 12.03 | 51.29 | 60.27 |
| Bot flg.spl. | 73.58 | 30.69 | 12.03 | 51.29 | 60.27 |
| 12 | 78.54 | 25.24 | 9.92 | 48.24 T | 58.03 |
| Top flg.spl. | 84.58 | 18.72 | 7.35 | 39.17 | 51.34 |
| 13 | 86.02 | 17.16 | 6.73 | 37.00 T | 49.74 |
| 14 | 93.51 | 9.42 | 3.55 | 29.27 T | 46.79 |
| 15 | 100.99 | 1.30 | 0.35 | 25.43 T | 50.31 |
| 16 | 108.47 | -6.77 | -2.82 | -29.08 T | 47.27 |
| 17 | 115.96 | -14.50 | -6.01 | -36.62 T | 50.07 |
| Top flg.spl. | 117.41 | -16.08 | -6.63 | -38.83 | 51.78 |
| 18 | 123.44 | -22.63 | -9.21 | -48.01 T | 58.87 |
| Top flg.spl. | 128.41 | -28.13 | -11.33 | -50.57 | 60.12 |
| Bot flg.spl. | 128.41 | -28.13 | -11.33 | -50.57 | 60.12 |
| 19 | 130.92 | -30.91 | -12.40 | -51.87 T | 60.75 |
| 20 | 138.41L | -39.08 | -15.59 | -59.49 T | 68.37 |
| 20 | 138.41R | 40.28 | 15.24 | 55.31 T | 65.26 |
| 21 | 145.34 | 32.70 | 12.28 | 48.68 T | 58.62 |
| Top flg.spl. | 146.43 | 31.51 | 11.82 | 48.14 | 58.70 |
| Bot flg.spl. | 146.41 | 31.54 | 11.83 | 48.16 | 58.70 |
| 22 | 152.28 | 25.13 | 9.34 | 45.28 T | 59.12 |
| Bot flg.spl. | 157.41 | 19.55 | 7.15 | 40.09 | 56.39 |
| 23 | 159.21 | 17.59 | 6.38 | 38.27 T | 55.43 |
| 24 | 166.14 | 9.27 | 3.44 | 30.87 T | 47.97 |
| 25 | 173.08 | 0.83 | 0.47 | 26.67 T | 50.69 |
| 26 | 180.01 | -6.58 | -2.49 | -30.78 T | 48.84 |
| 27 | 186.95 | -14.92 | -5.44 | -37.19 T | 52.25 |
| Top flg.spl. | 188.26 | -16.47 | -6.00 | -39.02 | 54.36 |
| 28 | 193.88 | -23.12 | -8.39 | -46.85 T | 63.35 |
| Top flg.spl. | 199.26 | -29.12 | -10.67 | -50.74 | 64.55 |
| Bot flg.spl. | 199.24 | -29.09 | -10.66 | -50.72 | 64.54 |
| 29 | 200.82 | -30.85 | -11.33 | -51.86 T | 64.89 |
| 30 | 207.75L | -38.51 | -14.29 | -58.61 T | 71.14 |
| 30 | 207.75R | 38.95 | 14.99 | 55.63 T | 60.53 |
| 31 | 214.77 | 31.20 | 12.00 | 52.43 T | 58.57 |
| Top flg.spl. | 217.26 | 28.42 | 10.93 | 51.75 | 58.27 |
| Bot flg.spl. | 217.24 | 28.45 | 10.94 | 51.75 | 58.27 |
| 32 | 221.80 | 23.38 | 9.00 | 50.51 T | 57.72 |
| Top flg.spl. | 228.26 | 16.61 | 6.25 | 41.07 | 56.47 |
| Bot flg.spl. | 228.24 | 16.64 | 6.26 | 41.10 | 56.48 |
| 33 | 228.82 | 16.03 | 6.01 | 40.25 T | 56.37 |
| 34 | 235.85 | 8.46 | 3.02 | 31.28 T | 44.95 |
| 35 | 242.87 | 1.21 | 0.03 | 26.88 T | 51.74 |
| 36 | 249.89 | -6.44 | -2.97 | -31.97 T | 53.16 |
| 37 | 256.92 | -14.00 | -5.95 | -41.17 T | 52.20 |
| 38 | 263.94 | -21.25 | -8.94 | -52.91 T | 59.61 |
| Top flg.spl. | 267.59 | -25.31 | -10.50 | -56.30 | 63.58 |
| Bot flg.spl. | 267.57 | -25.28 | -10.49 | -56.28 | 63.56 |
| 39 | 270.96 | -29.05 | -11.93 | -59.42 T | 67.25 |
| 40 | 277.99L | -37.03 | -14.93 | -61.58 T | 69.40 |
| 40 | 277.99R | 69.78 | 24.76 | 62.98 T | 74.06 |

| | | | | | | |
|--------------|---------|--------|--------|--------|---|-------|
| 41 | 289.45 | 56.75 | 19.88 | 55.44 | T | 70.61 |
| Bot flg.spl. | 294.97 | 50.19 | 17.53 | 52.26 | | 65.27 |
| 42 | 300.92 | 43.12 | 15.00 | 48.83 | T | 59.51 |
| Top flg.spl. | 312.25 | 29.14 | 10.16 | 40.67 | | 58.20 |
| Bot flg.spl. | 312.22 | 29.17 | 10.17 | 40.69 | | 58.21 |
| 43 | 312.39 | 28.97 | 10.10 | 40.57 | T | 58.19 |
| 44 | 323.85 | 15.35 | 5.22 | 32.82 | T | 55.18 |
| 45 | 335.32 | 1.08 | 0.36 | 29.58 | T | 58.32 |
| 46 | 346.79 | -13.34 | -4.55 | -32.06 | T | 55.71 |
| 47 | 358.25 | -26.99 | -9.44 | -39.45 | T | 55.57 |
| Top flg.spl. | 358.41 | -27.18 | -9.51 | -39.57 | | 55.64 |
| Bot flg.spl. | 358.39 | -27.15 | -9.50 | -39.55 | | 55.63 |
| 48 | 369.72 | -41.04 | -14.30 | -47.83 | T | 59.96 |
| Bot flg.spl. | 375.64 | -48.07 | -16.81 | -52.15 | | 64.55 |
| 49 | 381.19 | -54.65 | -19.16 | -56.20 | T | 68.85 |
| 50 | 392.65L | -67.68 | -24.05 | -64.59 | T | 76.28 |
| 50 | 392.65R | 28.74 | 11.70 | 61.52 | T | 69.84 |
| 51 | 398.23 | 22.41 | 9.32 | 52.89 | T | 61.21 |
| Top flg.spl. | 402.14 | 18.10 | 7.66 | 48.96 | | 56.84 |
| Bot flg.spl. | 402.12 | 18.13 | 7.67 | 48.98 | | 56.86 |
| 52 | 403.82 | 16.26 | 6.95 | 47.28 | T | 54.97 |
| 53 | 409.40 | 10.47 | 4.57 | 43.70 | T | 51.39 |
| 54 | 414.98 | 4.68 | 2.19 | 26.88 | T | 39.49 |
| 55 | 420.56 | -1.08 | -0.18 | 19.88 | T | 35.22 |
| 56 | 426.14 | -6.77 | -2.56 | -25.67 | T | 45.13 |
| 57 | 431.72 | -12.47 | -4.93 | -22.74 | T | 31.67 |
| 58 | 437.30 | -18.39 | -7.31 | -38.29 | T | 45.24 |
| 59 | 442.88 | -24.27 | -9.69 | -48.46 | T | 53.64 |
| 60 | 448.46L | -30.10 | -12.07 | -50.83 | T | 54.32 |
| 60 | 448.46R | 32.86 | 13.72 | 55.01 | T | 62.77 |
| 61 | 455.32 | 25.73 | 10.80 | 54.31 | T | 63.19 |
| 62 | 462.18 | 18.61 | 7.87 | 44.29 | T | 56.28 |
| 63 | 469.04 | 11.47 | 4.96 | 36.59 | T | 46.00 |
| 64 | 475.90 | 4.48 | 2.04 | 29.30 | T | 48.87 |
| 65 | 482.76 | -2.86 | -0.88 | 27.09 | T | 52.34 |
| 66 | 489.62 | -9.86 | -3.79 | -27.78 | T | 48.54 |
| 67 | 496.48 | -16.86 | -6.72 | -34.85 | T | 45.16 |
| 68 | 503.34 | -24.01 | -9.61 | -42.68 | T | 51.77 |
| 69 | 510.20 | -31.30 | -12.53 | -50.87 | T | 57.68 |
| 70 | 517.06L | -38.59 | -15.45 | -55.60 | T | 61.28 |
| 70 | 517.06R | 38.16 | 15.34 | 54.46 | T | 61.97 |
| 71 | 523.99 | 30.89 | 12.39 | 48.19 | T | 55.71 |
| 72 | 530.93 | 23.62 | 9.43 | 42.21 | T | 53.78 |
| 73 | 537.87 | 16.43 | 6.41 | 37.76 | T | 46.09 |
| 74 | 544.81 | 9.35 | 3.45 | 29.22 | T | 51.02 |
| 75 | 551.75 | 1.43 | 0.32 | 24.43 | T | 42.15 |
| 76 | 558.68 | -5.65 | -2.64 | -30.60 | T | 51.15 |
| 77 | 565.62 | -12.73 | -5.59 | -34.82 | T | 45.89 |
| 78 | 572.56 | -20.23 | -8.61 | -44.38 | T | 54.31 |
| 79 | 579.50 | -27.31 | -11.57 | -52.41 | T | 60.21 |
| 80 | 586.44L | -34.52 | -14.53 | -56.79 | T | 64.28 |
| 80 | 586.44R | 32.26 | 13.06 | 55.37 | T | 63.02 |
| 81 | 591.88 | 26.60 | 10.74 | 51.44 | T | 59.09 |
| 82 | 597.33 | 20.94 | 8.42 | 47.54 | T | 58.57 |
| 83 | 602.78 | 15.28 | 6.10 | 39.46 | T | 49.04 |
| 84 | 608.23 | 9.49 | 3.73 | 31.10 | T | 43.48 |
| 85 | 613.67 | 3.94 | 1.41 | 24.76 | T | 42.78 |
| 86 | 619.12 | -1.62 | -0.92 | -21.96 | T | 41.07 |
| 87 | 624.57 | -7.79 | -3.39 | -29.35 | T | 43.26 |
| 88 | 630.02 | -13.34 | -5.71 | -37.29 | T | 47.31 |
| 89 | 635.46 | -18.90 | -8.03 | -43.92 | T | 51.70 |
| 90 | 640.91L | -24.46 | -10.35 | -50.75 | T | 57.18 |
| 90 | 640.91R | 28.83 | 11.96 | 59.61 | T | 71.93 |
| Top flg.spl. | 646.97 | 22.40 | 9.35 | 45.99 | | 53.06 |
| Bot flg.spl. | 646.94 | 22.43 | 9.36 | 46.04 | | 53.13 |
| 91 | 647.03 | 22.33 | 9.33 | 45.84 | T | 52.85 |
| 92 | 653.16 | 15.99 | 6.72 | 40.97 | T | 47.98 |
| 93 | 659.28 | 9.65 | 4.11 | 35.77 | T | 47.34 |
| 94 | 665.40 | 2.63 | 1.38 | 27.13 | T | 41.61 |
| 95 | 671.52 | -3.71 | -1.23 | -22.36 | T | 42.63 |
| 96 | 677.65 | -10.69 | -4.00 | -26.24 | T | 42.99 |
| 97 | 683.77 | -17.03 | -6.61 | -35.11 | T | 44.13 |
| 98 | 689.89 | -23.52 | -9.27 | -43.92 | T | 51.85 |
| 99 | 696.01 | -29.97 | -11.87 | -50.16 | T | 55.50 |
| 100 | 702.14L | -36.54 | -14.48 | -55.74 | T | 59.92 |
| 100 | 702.14R | 35.96 | 14.58 | 58.27 | T | 66.50 |
| 101 | 708.93 | 28.80 | 11.68 | 52.07 | T | 60.30 |
| 102 | 715.72 | 21.70 | 8.76 | 45.82 | T | 56.77 |

Dummy
spans

Bridge 69801 D

Bridge 69801 D

Dummy spans

| | | | | | |
|-----|---------|--------|--------|----------|-------|
| 103 | 722.51 | 14.56 | 5.88 | 37.67 T | 50.96 |
| 104 | 729.31 | 7.49 | 2.97 | 30.72 T | 50.00 |
| 105 | 736.10 | -0.15 | -0.11 | 22.88 T | 45.30 |
| 106 | 742.89 | -7.22 | -3.01 | -29.44 T | 45.57 |
| 107 | 749.69 | -14.87 | -6.10 | -37.22 T | 50.74 |
| 108 | 756.48 | -21.92 | -9.00 | -43.64 T | 52.19 |
| 109 | 763.27 | -29.24 | -11.90 | -50.66 T | 58.22 |
| 110 | 770.07L | -36.56 | -14.79 | -56.62 T | 63.80 |
| 110 | 770.07R | 36.13 | 14.51 | 56.60 T | 65.46 |
| 111 | 776.80 | 28.87 | 11.64 | 48.93 T | 57.79 |
| 112 | 783.54 | 21.71 | 8.75 | 45.11 T | 56.22 |
| 113 | 790.27 | 14.66 | 5.91 | 37.44 T | 50.26 |
| 114 | 797.01 | 7.65 | 3.03 | 30.65 T | 48.72 |
| 115 | 803.74 | 0.12 | 0.08 | 23.22 T | 44.25 |
| 116 | 810.47 | -6.87 | -2.80 | -27.82 T | 44.25 |
| 117 | 817.21 | -14.38 | -5.75 | -34.96 T | 47.67 |
| 118 | 823.94 | -21.36 | -8.62 | -41.93 T | 51.07 |
| 119 | 830.68 | -28.58 | -11.47 | -50.23 T | 58.42 |
| 120 | 837.41L | -35.86 | -14.34 | -56.67 T | 64.86 |
| 120 | 837.41R | 36.00 | 14.42 | 54.56 T | 61.45 |
| 121 | 844.11 | 28.75 | 11.56 | 50.67 T | 57.56 |
| 122 | 850.80 | 21.64 | 8.70 | 45.41 T | 55.64 |
| 123 | 857.50 | 14.61 | 5.88 | 36.32 T | 47.62 |
| 124 | 864.19 | 7.68 | 3.03 | 32.44 T | 49.91 |
| 125 | 870.89 | 0.17 | 0.12 | 22.71 T | 44.24 |
| 126 | 877.58 | -7.34 | -2.80 | -28.15 T | 47.34 |
| 127 | 884.27 | -14.27 | -5.65 | -35.41 T | 48.08 |
| 128 | 890.97 | -21.36 | -8.52 | -44.56 T | 52.00 |
| 129 | 897.66 | -28.41 | -11.37 | -49.64 T | 56.90 |
| 130 | 904.36L | -35.60 | -14.22 | -56.34 T | 63.48 |
| 130 | 904.36R | 36.30 | 14.21 | 55.64 T | 58.70 |
| 131 | 909.71 | 30.56 | 11.94 | 53.53 T | 57.95 |
| 132 | 915.05 | 25.03 | 9.66 | 46.10 T | 53.65 |
| 133 | 920.40 | 19.22 | 7.40 | 38.76 T | 44.77 |
| 134 | 925.75 | 13.68 | 5.12 | 32.64 T | 47.25 |
| 135 | 931.09 | 7.54 | 2.75 | 27.71 T | 43.96 |
| 136 | 936.44 | 2.00 | 0.47 | 23.41 T | 44.54 |
| 137 | 941.79 | -3.54 | -1.81 | -29.97 T | 44.53 |
| 138 | 947.13 | -9.74 | -4.22 | -37.68 T | 48.63 |
| 139 | 952.48 | -15.28 | -6.49 | -43.90 T | 51.21 |
| 140 | 957.83 | -20.82 | -8.77 | -50.85 T | 57.87 |

Ranges shown in this table not used for fatigue.

T - governed by truck loading
L - governed by lane loading

P411 Service Loads

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 52.97 | 58.79 |
| 53 | 409.37 | 41.11 | 46.92 |
| 54 | 414.96 | 27.52 | 35.76 |
| 55 | 420.54 | 20.73 | 40.38 |
| 56 | 426.13 | -30.99 | 43.19 |
| 57 | 431.71 | -35.76 | 39.61 |
| 58 | 437.30 | -45.51 | 47.06 |
| 59 | 442.88 | -58.59 | 60.15 |
| 60 | 448.46L | -68.45 | 70.01 |
| 60 | 448.46R | 69.06 | 74.21 |
| 61 | 455.32 | 62.07 | 67.22 |
| 62 | 462.18 | 54.32 | 59.48 |
| 63 | 469.04 | 43.78 | 49.02 |
| 64 | 475.89 | 35.48 | 54.91 |
| 65 | 482.75 | 29.46 | 54.33 |
| 66 | 489.61 | -35.34 | 53.73 |
| 67 | 496.47 | -44.65 | 49.82 |
| 68 | 503.32 | -52.72 | 56.16 |
| 69 | 510.18 | -62.79 | 66.22 |
| 70 | 517.04L | -71.00 | 74.43 |
| 70 | 517.04R | 71.09 | 75.39 |
| 71 | 523.88 | 65.62 | 69.92 |
| 72 | 530.72 | 56.55 | 60.85 |
| 73 | 537.56 | 46.11 | 50.75 |
| 74 | 544.40 | 36.05 | 51.59 |
| 75 | 551.24 | -29.96 | 55.68 |
| 76 | 558.08 | -29.96 | 48.18 |
| 77 | 564.92 | -39.91 | 46.62 |
| 78 | 571.76 | -48.26 | 52.78 |
| 79 | 578.60 | -57.49 | 62.01 |
| 80 | 585.43L | -69.84 | 74.36 |
| 80 | 585.43R | 71.22 | 77.54 |
| 81 | 591.02 | 64.16 | 70.49 |
| 82 | 596.60 | 53.38 | 59.71 |
| 83 | 602.19 | 47.21 | 53.54 |
| 84 | 607.77 | 36.94 | 50.44 |
| 85 | 613.35 | 31.32 | 53.97 |
| 86 | 618.94 | -29.05 | 46.54 |
| 87 | 624.52 | -32.30 | 43.60 |
| 88 | 630.10 | -41.22 | 45.56 |
| 89 | 635.69 | -48.37 | 52.64 |
| 90 | 641.27L | -58.78 | 63.04 |
| 90 | 641.27R | 68.04 | 73.64 |
| 91 | 647.26 | 61.68 | 67.29 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 90.36 | -10.29 | 100.65 |
| 53 | 409.37 | 324.36 | -44.78 | 369.15 |
| 54 | 414.96 | 461.42 | -79.28 | 540.70 |
| 55 | 420.54 | 458.38 | -115.71 | 574.09 |
| 56 | 426.13 | 496.93 | -153.93 | 650.86 |
| 57 | 431.71 | 444.61 | -192.18 | 636.79 |

P411 Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 58 | 437.30 | 286.56 | -236.34 | 522.89 |
| 59 | 442.88 | 98.65 | -372.14 | 470.79 |
| 60 | 448.46 | 70.56 | -585.49 | 656.06 |
| 61 | 455.32 | 116.60 | -314.71 | 431.31 |
| 62 | 462.18 | 373.35 | -155.83 | 529.18 |
| 63 | 469.04 | 524.79 | -123.88 | 648.67 |
| 64 | 475.89 | 609.99 | -96.47 | 706.46 |
| 65 | 482.75 | 650.80 | -112.81 | 763.61 |
| 66 | 489.61 | 655.72 | -156.57 | 812.29 |
| 67 | 496.47 | 563.40 | -200.34 | 763.73 |
| 68 | 503.32 | 363.08 | -249.45 | 612.53 |
| 69 | 510.18 | 140.11 | -420.77 | 560.88 |
| 70 | 517.04 | 58.90 | -708.80 | 767.70 |
| 71 | 523.88 | 80.31 | -380.16 | 460.47 |
| 72 | 530.72 | 343.34 | -211.77 | 555.11 |
| 73 | 537.56 | 506.79 | -168.78 | 675.56 |
| 74 | 544.40 | 600.28 | -130.95 | 731.23 |
| 75 | 551.24 | 603.30 | -93.14 | 696.44 |
| 76 | 558.08 | 618.88 | -127.46 | 746.34 |
| 77 | 564.92 | 523.97 | -163.64 | 687.60 |
| 78 | 571.76 | 331.79 | -206.26 | 538.05 |
| 79 | 578.60 | 114.55 | -377.85 | 492.39 |
| 80 | 585.43 | 65.42 | -655.27 | 720.69 |
| 81 | 591.02 | 74.21 | -410.59 | 484.80 |
| 82 | 596.60 | 280.79 | -234.00 | 514.79 |
| 83 | 602.19 | 427.49 | -192.30 | 619.79 |
| 84 | 607.77 | 518.35 | -159.65 | 678.00 |
| 85 | 613.35 | 580.04 | -130.26 | 710.31 |
| 86 | 618.94 | 564.02 | -140.91 | 704.93 |
| 87 | 624.52 | 473.17 | -180.96 | 654.13 |
| 88 | 630.10 | 367.25 | -226.87 | 594.12 |
| 89 | 635.69 | 223.43 | -272.78 | 496.22 |
| 90 | 641.27 | 34.44 | -378.81 | 413.26 |
| 91 | 647.26 | 2.53 | -0.49 | 3.03 |

P411 Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 50.99 | 54.03 |
| 53 | 409.38 | 38.27 | 41.31 |
| 54 | 414.97 | 23.63 | 32.13 |
| 55 | 420.55 | 23.22 | 40.50 |
| 56 | 426.13 | -29.15 | 43.20 |
| 57 | 431.72 | -34.54 | 38.94 |
| 58 | 437.30 | -40.96 | 44.55 |
| 59 | 442.88 | -55.72 | 56.73 |
| 60 | 448.46L | -64.96 | 65.97 |
| 60 | 448.46R | 65.27 | 67.66 |
| 61 | 455.32 | 54.50 | 56.89 |
| 62 | 462.18 | 44.49 | 49.01 |
| 63 | 469.04 | 38.87 | 44.99 |
| 64 | 475.89 | 29.96 | 53.60 |
| 65 | 482.75 | -35.02 | 69.78 |
| 66 | 489.61 | -30.08 | 51.10 |
| 67 | 496.47 | -40.44 | 50.21 |
| 68 | 503.32 | -44.06 | 47.66 |
| 69 | 510.18 | -56.67 | 58.26 |
| 70 | 517.04L | -66.69 | 68.29 |
| 70 | 517.04R | 66.34 | 68.36 |
| 71 | 523.93 | 58.45 | 60.47 |
| 72 | 530.82 | 48.01 | 53.51 |
| 73 | 537.70 | 41.35 | 48.11 |
| 74 | 544.59 | 30.88 | 53.81 |
| 75 | 551.48 | -31.01 | 50.71 |
| 76 | 558.37 | -30.25 | 51.77 |
| 77 | 565.26 | -40.07 | 49.02 |
| 78 | 572.14 | -43.81 | 49.69 |
| 79 | 579.03 | -55.95 | 58.19 |
| 80 | 585.92L | -66.76 | 69.00 |
| 80 | 585.92R | 68.19 | 71.82 |
| 81 | 591.44 | 58.64 | 62.26 |
| 82 | 596.95 | 47.76 | 52.25 |
| 83 | 602.47 | 41.02 | 47.20 |
| 84 | 607.98 | 35.46 | 48.38 |
| 85 | 613.50 | 28.97 | 51.64 |
| 86 | 619.02 | -30.32 | 45.94 |
| 87 | 624.53 | -28.42 | 41.80 |
| 88 | 630.05 | -37.60 | 41.95 |
| 89 | 635.57 | -48.56 | 51.42 |
| 90 | 641.08L | -59.07 | 61.93 |
| 90 | 641.08R | 61.99 | 64.84 |
| 91 | 647.14 | 57.84 | 60.21 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 90.60 | -5.43 | 96.02 |
| 53 | 409.38 | 298.07 | -23.49 | 321.56 |
| 54 | 414.97 | 402.08 | -41.55 | 443.63 |
| 55 | 420.55 | 386.76 | -65.64 | 452.41 |
| 56 | 426.13 | 428.28 | -94.98 | 523.26 |
| 57 | 431.72 | 377.21 | -124.31 | 501.52 |
| 58 | 437.30 | 240.50 | -171.89 | 412.39 |
| 59 | 442.88 | 78.65 | -289.97 | 368.63 |

P411 Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 39.59 | -476.68 | 516.28 |
| 61 | 455.32 | 111.55 | -274.61 | 386.16 |
| 62 | 462.18 | 325.30 | -122.29 | 447.59 |
| 63 | 469.04 | 423.78 | -81.61 | 505.39 |
| 64 | 475.89 | 484.44 | -55.52 | 539.96 |
| 65 | 482.75 | 467.52 | -51.14 | 518.66 |
| 66 | 489.61 | 505.49 | -87.69 | 593.19 |
| 67 | 496.47 | 440.48 | -124.27 | 564.75 |
| 68 | 503.32 | 283.97 | -177.12 | 461.09 |
| 69 | 510.18 | 118.46 | -352.21 | 470.67 |
| 70 | 517.04 | 34.32 | -582.95 | 617.27 |
| 71 | 523.93 | 81.70 | -318.20 | 399.90 |
| 72 | 530.82 | 301.54 | -152.15 | 453.70 |
| 73 | 537.70 | 415.61 | -105.36 | 520.97 |
| 74 | 544.59 | 483.69 | -73.40 | 557.09 |
| 75 | 551.48 | 454.93 | -41.36 | 496.29 |
| 76 | 558.37 | 494.10 | -69.93 | 564.03 |
| 77 | 565.26 | 416.42 | -100.35 | 516.77 |
| 78 | 572.14 | 260.30 | -146.65 | 406.95 |
| 79 | 579.03 | 87.87 | -333.39 | 421.26 |
| 80 | 585.92 | 41.94 | -568.17 | 610.11 |
| 81 | 591.44 | 70.42 | -368.97 | 439.39 |
| 82 | 596.95 | 254.96 | -215.52 | 470.49 |
| 83 | 602.47 | 369.43 | -151.78 | 521.21 |
| 84 | 607.98 | 429.35 | -115.83 | 545.18 |
| 85 | 613.50 | 476.22 | -88.97 | 565.19 |
| 86 | 619.02 | 450.08 | -87.39 | 537.47 |
| 87 | 624.53 | 367.23 | -120.30 | 487.53 |
| 88 | 630.05 | 292.71 | -169.12 | 461.83 |
| 89 | 635.57 | 161.90 | -219.14 | 381.04 |
| 90 | 641.08 | 17.80 | -330.76 | 348.56 |
| 91 | 647.14 | 1.31 | -0.03 | 1.34 |

P411 Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 52.92 | 58.65 |
| 53 | 409.40 | 41.03 | 46.77 |
| 54 | 414.98 | 27.44 | 35.73 |
| 55 | 420.56 | 20.76 | 40.50 |
| 56 | 426.14 | -31.04 | 43.23 |
| 57 | 431.72 | -35.80 | 39.63 |
| 58 | 437.30 | -45.58 | 47.27 |
| 59 | 442.88 | -58.69 | 60.38 |
| 60 | 448.46L | -68.51 | 70.20 |
| 60 | 448.46R | 69.22 | 74.83 |
| 61 | 455.32 | 62.17 | 67.77 |
| 62 | 462.18 | 54.38 | 59.98 |
| 63 | 469.04 | 43.87 | 49.25 |
| 64 | 475.90 | 35.59 | 54.99 |
| 65 | 482.76 | -30.76 | 61.18 |
| 66 | 489.62 | -35.81 | 54.33 |
| 67 | 496.48 | -45.15 | 52.10 |
| 68 | 503.34 | -53.40 | 56.81 |
| 69 | 510.20 | -63.43 | 66.83 |
| 70 | 517.06L | -72.24 | 75.64 |
| 70 | 517.06R | 72.77 | 77.19 |
| 71 | 523.99 | 67.80 | 72.22 |
| 72 | 530.93 | 58.94 | 63.36 |
| 73 | 537.87 | 47.53 | 52.51 |
| 74 | 544.81 | 37.56 | 57.36 |
| 75 | 551.75 | 30.62 | 54.32 |
| 76 | 558.68 | -36.27 | 55.00 |
| 77 | 565.62 | -45.13 | 52.54 |
| 78 | 572.56 | -53.91 | 58.73 |
| 79 | 579.50 | -65.61 | 70.42 |
| 80 | 586.44L | -72.96 | 77.78 |
| 80 | 586.44R | 74.28 | 81.35 |
| 81 | 591.88 | 66.99 | 74.06 |
| 82 | 597.33 | 56.65 | 63.72 |
| 83 | 602.78 | 50.28 | 57.35 |
| 84 | 608.23 | 39.32 | 54.21 |
| 85 | 613.67 | 32.53 | 56.68 |
| 86 | 619.12 | -30.24 | 48.31 |
| 87 | 624.57 | -34.78 | 45.78 |
| 88 | 630.02 | -43.05 | 48.90 |
| 89 | 635.46 | -51.41 | 57.27 |
| 90 | 640.91L | -62.39 | 68.25 |
| 90 | 640.91R | 69.92 | 75.84 |
| 91 | 647.03 | 61.36 | 66.51 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 91.57 | -10.29 | 101.87 |
| 53 | 409.40 | 325.00 | -44.27 | 369.27 |
| 54 | 414.98 | 461.42 | -78.25 | 539.67 |
| 55 | 420.56 | 458.39 | -114.26 | 572.65 |
| 56 | 426.14 | 497.08 | -152.04 | 649.12 |
| 57 | 431.72 | 445.06 | -189.82 | 634.88 |
| 58 | 437.30 | 286.88 | -237.15 | 524.03 |

P411 Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 98.40 | -373.11 | 471.52 |
| 60 | 448.46 | 76.87 | -587.14 | 664.02 |
| 61 | 455.32 | 118.19 | -315.46 | 433.64 |
| 62 | 462.18 | 374.47 | -155.94 | 530.41 |
| 63 | 469.04 | 522.60 | -124.05 | 646.65 |
| 64 | 475.90 | 605.27 | -96.73 | 701.99 |
| 65 | 482.76 | 653.42 | -122.60 | 776.02 |
| 66 | 489.62 | 659.57 | -170.55 | 830.12 |
| 67 | 496.48 | 568.42 | -218.51 | 786.93 |
| 68 | 503.34 | 368.93 | -272.44 | 641.37 |
| 69 | 510.20 | 145.62 | -445.35 | 590.97 |
| 70 | 517.06 | 62.68 | -741.43 | 804.11 |
| 71 | 523.99 | 74.41 | -390.14 | 464.54 |
| 72 | 530.93 | 357.22 | -210.68 | 567.89 |
| 73 | 537.87 | 529.73 | -169.38 | 699.11 |
| 74 | 544.81 | 626.56 | -131.13 | 757.69 |
| 75 | 551.75 | 633.13 | -92.87 | 726.00 |
| 76 | 558.68 | 639.01 | -126.05 | 765.06 |
| 77 | 565.62 | 532.78 | -161.14 | 693.92 |
| 78 | 572.56 | 322.93 | -200.95 | 523.89 |
| 79 | 579.50 | 84.18 | -410.84 | 495.02 |
| 80 | 586.44 | 77.31 | -727.44 | 804.75 |
| 81 | 591.88 | 84.76 | -475.74 | 560.50 |
| 82 | 597.33 | 292.00 | -292.23 | 584.24 |
| 83 | 602.78 | 443.64 | -245.46 | 689.10 |
| 84 | 608.23 | 532.02 | -204.87 | 736.88 |
| 85 | 613.67 | 584.41 | -168.38 | 752.79 |
| 86 | 619.12 | 567.70 | -157.05 | 724.75 |
| 87 | 624.57 | 469.15 | -196.57 | 665.72 |
| 88 | 630.02 | 351.47 | -241.93 | 593.40 |
| 89 | 635.46 | 201.66 | -287.29 | 488.95 |
| 90 | 640.91 | 37.46 | -395.63 | 433.09 |
| 91 | 647.03 | 5.22 | -0.48 | 5.70 |

P413 Service Loads

P413 Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 59.37 | 65.60 |
| 53 | 409.37 | 41.69 | 47.92 |
| 54 | 414.96 | 27.85 | 38.70 |
| 55 | 420.54 | 23.19 | 42.99 |
| 56 | 426.13 | -32.27 | 45.92 |
| 57 | 431.71 | -42.21 | 46.15 |
| 58 | 437.30 | -48.86 | 50.55 |
| 59 | 442.88 | -61.67 | 63.37 |
| 60 | 448.46L | -67.86 | 69.56 |
| 60 | 448.46R | 73.86 | 79.51 |
| 61 | 455.32 | 66.62 | 72.28 |
| 62 | 462.18 | 57.11 | 62.76 |
| 63 | 469.04 | 48.53 | 53.94 |
| 64 | 475.89 | 35.02 | 50.70 |
| 65 | 482.75 | 28.65 | 54.82 |
| 66 | 489.61 | -35.80 | 52.09 |
| 67 | 496.47 | -46.02 | 51.62 |
| 68 | 503.32 | -55.04 | 57.84 |
| 69 | 510.18 | -66.72 | 69.52 |
| 70 | 517.04L | -76.91 | 79.71 |
| 70 | 517.04R | 80.01 | 84.53 |
| 71 | 523.88 | 71.57 | 76.09 |
| 72 | 530.72 | 56.62 | 61.14 |
| 73 | 537.56 | 46.00 | 50.81 |
| 74 | 544.40 | 34.44 | 53.66 |
| 75 | 551.24 | -34.62 | 65.06 |
| 76 | 558.08 | -34.62 | 53.43 |
| 77 | 564.92 | -44.99 | 50.67 |
| 78 | 571.76 | -53.61 | 58.49 |
| 79 | 578.60 | -64.61 | 69.49 |
| 80 | 585.43L | -77.19 | 82.07 |
| 80 | 585.43R | 76.88 | 83.45 |
| 81 | 591.02 | 69.72 | 76.29 |
| 82 | 596.60 | 58.09 | 64.66 |
| 83 | 602.19 | 47.14 | 53.72 |
| 84 | 607.77 | 40.14 | 56.95 |
| 85 | 613.35 | 27.95 | 50.87 |
| 86 | 618.94 | -32.31 | 48.94 |
| 87 | 624.52 | -35.50 | 47.68 |
| 88 | 630.10 | -46.05 | 52.00 |
| 89 | 635.69 | -54.37 | 58.93 |
| 90 | 641.27L | -63.75 | 68.31 |
| 90 | 641.27R | 72.65 | 78.59 |
| 91 | 647.26 | 65.47 | 71.41 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.55 | -10.72 | 106.26 |
| 53 | 409.37 | 324.60 | -46.65 | 371.25 |
| 54 | 414.96 | 455.13 | -82.59 | 537.71 |
| 55 | 420.54 | 455.26 | -120.56 | 575.83 |
| 56 | 426.13 | 461.11 | -160.35 | 621.46 |
| 57 | 431.71 | 416.88 | -200.13 | 617.02 |
| 58 | 437.30 | 252.25 | -247.56 | 499.81 |
| 59 | 442.88 | 87.86 | -379.39 | 467.25 |

P413 Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 74.61 | -582.45 | 657.05 |
| 61 | 455.32 | 99.99 | -275.81 | 375.80 |
| 62 | 462.18 | 362.12 | -132.31 | 494.43 |
| 63 | 469.04 | 514.95 | -104.87 | 619.82 |
| 64 | 475.89 | 596.09 | -81.52 | 677.61 |
| 65 | 482.75 | 643.70 | -119.49 | 763.19 |
| 66 | 489.61 | 641.02 | -165.55 | 806.57 |
| 67 | 496.47 | 559.15 | -211.61 | 770.76 |
| 68 | 503.32 | 354.59 | -263.10 | 617.69 |
| 69 | 510.18 | 114.72 | -423.37 | 538.09 |
| 70 | 517.04 | 60.56 | -719.58 | 780.14 |
| 71 | 523.88 | 60.67 | -383.49 | 444.16 |
| 72 | 530.72 | 333.02 | -224.77 | 557.79 |
| 73 | 537.56 | 500.88 | -179.17 | 680.06 |
| 74 | 544.40 | 595.54 | -139.04 | 734.58 |
| 75 | 551.24 | 618.06 | -98.92 | 716.98 |
| 76 | 558.08 | 590.40 | -131.05 | 721.45 |
| 77 | 564.92 | 519.64 | -168.08 | 687.72 |
| 78 | 571.76 | 323.44 | -211.54 | 534.97 |
| 79 | 578.60 | 101.68 | -360.81 | 462.49 |
| 80 | 585.43 | 69.46 | -651.87 | 721.33 |
| 81 | 591.02 | 61.08 | -404.68 | 465.77 |
| 82 | 596.60 | 272.15 | -243.57 | 515.72 |
| 83 | 602.19 | 425.28 | -200.29 | 625.57 |
| 84 | 607.77 | 513.52 | -166.35 | 679.87 |
| 85 | 613.35 | 543.18 | -135.77 | 678.95 |
| 86 | 618.94 | 515.35 | -148.46 | 663.81 |
| 87 | 624.52 | 466.96 | -190.53 | 657.49 |
| 88 | 630.10 | 356.34 | -238.69 | 595.03 |
| 89 | 635.69 | 221.32 | -286.85 | 508.17 |
| 90 | 641.27 | 35.84 | -393.06 | 428.91 |
| 91 | 647.26 | 2.53 | -0.51 | 3.04 |

P413 Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 58.43 | 61.65 |
| 53 | 409.38 | 38.74 | 41.96 |
| 54 | 414.97 | 23.90 | 34.24 |
| 55 | 420.55 | 25.36 | 42.45 |
| 56 | 426.13 | -31.32 | 46.60 |
| 57 | 431.72 | -40.97 | 45.82 |
| 58 | 437.30 | -44.57 | 47.03 |
| 59 | 442.88 | -59.28 | 60.36 |
| 60 | 448.46L | -64.80 | 65.88 |
| 60 | 448.46R | 66.32 | 68.94 |
| 61 | 455.32 | 57.19 | 59.80 |
| 62 | 462.18 | 46.66 | 52.37 |
| 63 | 469.04 | 44.09 | 50.42 |
| 64 | 475.89 | 29.94 | 48.28 |
| 65 | 482.75 | -36.73 | 70.73 |
| 66 | 489.61 | -30.79 | 49.98 |
| 67 | 496.47 | -41.79 | 50.16 |
| 68 | 503.32 | -46.04 | 50.56 |
| 69 | 510.18 | -59.76 | 61.05 |
| 70 | 517.04L | -70.05 | 71.34 |
| 70 | 517.04R | 73.73 | 75.82 |
| 71 | 523.93 | 63.48 | 65.56 |
| 72 | 530.82 | 47.29 | 53.98 |
| 73 | 537.70 | 41.18 | 47.72 |
| 74 | 544.59 | 29.78 | 53.44 |
| 75 | 551.48 | -31.43 | 51.02 |
| 76 | 558.37 | -30.09 | 51.48 |
| 77 | 565.26 | -41.23 | 47.94 |
| 78 | 572.14 | -45.48 | 49.83 |
| 79 | 579.03 | -58.52 | 60.94 |
| 80 | 585.92L | -71.13 | 73.55 |
| 80 | 585.92R | 71.44 | 75.10 |
| 81 | 591.44 | 64.51 | 68.16 |
| 82 | 596.95 | 52.60 | 56.25 |
| 83 | 602.47 | 40.05 | 48.46 |
| 84 | 607.98 | 40.43 | 51.28 |
| 85 | 613.50 | 27.77 | 50.77 |
| 86 | 619.02 | -34.36 | 52.64 |
| 87 | 624.53 | -29.37 | 43.97 |
| 88 | 630.05 | -38.23 | 44.24 |
| 89 | 635.57 | -47.88 | 50.90 |
| 90 | 641.08L | -62.50 | 65.52 |
| 90 | 641.08R | 64.37 | 67.36 |
| 91 | 647.14 | 61.76 | 64.25 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 93.11 | -5.59 | 98.70 |
| 53 | 409.38 | 305.70 | -24.18 | 329.88 |
| 54 | 414.97 | 416.88 | -42.78 | 459.66 |
| 55 | 420.55 | 389.36 | -67.41 | 456.76 |
| 56 | 426.13 | 399.14 | -97.29 | 496.42 |
| 57 | 431.72 | 354.45 | -127.16 | 481.61 |
| 58 | 437.30 | 208.53 | -175.69 | 384.22 |

P413 Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 63.63 | -295.55 | 359.18 |
| 60 | 448.46 | 41.46 | -475.16 | 516.61 |
| 61 | 455.32 | 95.39 | -241.64 | 337.04 |
| 62 | 462.18 | 307.45 | -107.03 | 414.48 |
| 63 | 469.04 | 405.92 | -70.88 | 476.79 |
| 64 | 475.89 | 466.00 | -47.71 | 513.71 |
| 65 | 482.75 | 460.04 | -54.31 | 514.35 |
| 66 | 489.61 | 486.14 | -91.86 | 578.00 |
| 67 | 496.47 | 424.35 | -129.43 | 553.78 |
| 68 | 503.32 | 266.20 | -183.29 | 449.49 |
| 69 | 510.18 | 92.00 | -348.77 | 440.78 |
| 70 | 517.04 | 34.54 | -588.54 | 623.07 |
| 71 | 523.93 | 63.03 | -317.88 | 380.91 |
| 72 | 530.82 | 284.32 | -159.78 | 444.11 |
| 73 | 537.70 | 399.27 | -111.42 | 510.69 |
| 74 | 544.59 | 468.09 | -77.70 | 545.78 |
| 75 | 551.48 | 455.52 | -43.89 | 499.41 |
| 76 | 558.37 | 466.60 | -70.53 | 537.13 |
| 77 | 565.26 | 405.09 | -100.64 | 505.73 |
| 78 | 572.14 | 240.79 | -146.11 | 386.90 |
| 79 | 579.03 | 70.35 | -313.86 | 384.21 |
| 80 | 585.92 | 43.86 | -565.04 | 608.91 |
| 81 | 591.44 | 41.25 | -359.10 | 400.35 |
| 82 | 596.95 | 243.38 | -214.91 | 458.30 |
| 83 | 602.47 | 358.02 | -156.98 | 515.00 |
| 84 | 607.98 | 421.26 | -120.02 | 541.28 |
| 85 | 613.50 | 449.37 | -92.31 | 541.69 |
| 86 | 619.02 | 419.13 | -88.61 | 507.74 |
| 87 | 624.53 | 362.70 | -121.52 | 484.22 |
| 88 | 630.05 | 276.55 | -169.96 | 446.51 |
| 89 | 635.57 | 152.59 | -226.65 | 379.24 |
| 90 | 641.08 | 18.12 | -340.52 | 358.65 |
| 91 | 647.14 | 1.34 | -0.03 | 1.37 |

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 59.36 | 65.46 |
| 53 | 409.40 | 41.61 | 47.72 |
| 54 | 414.98 | 27.78 | 38.70 |
| 55 | 420.56 | 23.21 | 43.09 |
| 56 | 426.14 | -32.36 | 46.04 |
| 57 | 431.72 | -42.25 | 46.19 |
| 58 | 437.30 | -48.94 | 50.79 |
| 59 | 442.88 | -61.76 | 63.61 |
| 60 | 448.46L | -67.90 | 69.76 |
| 60 | 448.46R | 73.92 | 80.09 |
| 61 | 455.32 | 66.69 | 72.86 |
| 62 | 462.18 | 57.18 | 63.36 |
| 63 | 469.04 | 48.62 | 54.54 |
| 64 | 475.90 | 35.11 | 51.02 |
| 65 | 482.76 | -32.31 | 61.70 |
| 66 | 489.62 | -36.35 | 52.75 |
| 67 | 496.48 | -46.59 | 52.02 |
| 68 | 503.34 | -55.74 | 58.51 |
| 69 | 510.20 | -67.37 | 70.14 |
| 70 | 517.06L | -78.37 | 81.13 |
| 70 | 517.06R | 82.14 | 86.68 |
| 71 | 523.99 | 73.93 | 78.46 |
| 72 | 530.93 | 59.13 | 63.66 |
| 73 | 537.87 | 47.00 | 51.97 |
| 74 | 544.81 | 35.94 | 54.73 |
| 75 | 551.75 | 29.54 | 53.21 |
| 76 | 558.68 | -35.46 | 54.17 |
| 77 | 565.62 | -45.92 | 51.98 |
| 78 | 572.56 | -55.69 | 60.89 |
| 79 | 579.50 | -66.79 | 71.99 |
| 80 | 586.44L | -79.70 | 84.90 |
| 80 | 586.44R | 77.87 | 85.00 |
| 81 | 591.88 | 71.90 | 79.02 |
| 82 | 597.33 | 61.29 | 68.41 |
| 83 | 602.78 | 47.67 | 54.79 |
| 84 | 608.23 | 41.35 | 53.53 |
| 85 | 613.67 | 31.54 | 55.66 |
| 86 | 619.12 | -33.43 | 53.76 |
| 87 | 624.57 | -35.19 | 48.01 |
| 88 | 630.02 | -43.72 | 49.99 |
| 89 | 635.46 | -52.98 | 59.25 |
| 90 | 640.91L | -62.88 | 69.15 |
| 90 | 640.91R | 74.95 | 81.20 |
| 91 | 647.03 | 67.40 | 72.84 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.97 | -10.71 | 107.67 |
| 53 | 409.40 | 325.32 | -46.06 | 371.37 |
| 54 | 414.98 | 455.08 | -81.41 | 536.49 |
| 55 | 420.56 | 455.29 | -118.87 | 574.16 |
| 56 | 426.14 | 461.33 | -158.09 | 619.42 |
| 57 | 431.72 | 417.31 | -197.32 | 614.63 |
| 58 | 437.30 | 252.26 | -248.80 | 501.06 |
| 59 | 442.88 | 87.55 | -380.71 | 468.26 |

P413 Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 81.79 | -584.21 | 666.00 |
| 61 | 455.32 | 102.76 | -276.53 | 379.29 |
| 62 | 462.18 | 362.10 | -132.43 | 494.53 |
| 63 | 469.04 | 512.31 | -105.03 | 617.34 |
| 64 | 475.90 | 591.30 | -89.14 | 680.44 |
| 65 | 482.76 | 646.17 | -130.70 | 776.87 |
| 66 | 489.62 | 644.92 | -181.47 | 826.39 |
| 67 | 496.48 | 564.49 | -232.26 | 796.75 |
| 68 | 503.34 | 361.01 | -289.14 | 650.15 |
| 69 | 510.20 | 121.50 | -453.18 | 574.68 |
| 70 | 517.06 | 62.42 | -750.61 | 813.03 |
| 71 | 523.99 | 52.93 | -393.30 | 446.23 |
| 72 | 530.93 | 345.16 | -223.63 | 568.80 |
| 73 | 537.87 | 523.88 | -179.85 | 703.72 |
| 74 | 544.81 | 621.21 | -139.26 | 760.47 |
| 75 | 551.75 | 645.71 | -98.66 | 744.37 |
| 76 | 558.68 | 609.66 | -125.58 | 735.24 |
| 77 | 565.62 | 528.05 | -160.41 | 688.46 |
| 78 | 572.56 | 311.42 | -199.81 | 511.23 |
| 79 | 579.50 | 68.92 | -385.61 | 454.53 |
| 80 | 586.44 | 82.09 | -715.75 | 797.84 |
| 81 | 591.88 | 73.04 | -471.83 | 544.87 |
| 82 | 597.33 | 285.77 | -308.42 | 594.19 |
| 83 | 602.78 | 440.71 | -257.40 | 698.11 |
| 84 | 608.23 | 517.45 | -214.93 | 732.38 |
| 85 | 613.67 | 540.29 | -176.71 | 717.00 |
| 86 | 619.12 | 513.25 | -159.93 | 673.18 |
| 87 | 624.57 | 472.44 | -200.10 | 672.53 |
| 88 | 630.02 | 341.13 | -246.09 | 587.22 |
| 89 | 635.46 | 197.13 | -292.08 | 489.21 |
| 90 | 640.91 | 38.66 | -406.07 | 444.74 |
| 91 | 647.03 | 5.56 | -0.49 | 6.05 |

STD A Service Loads

STD A Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 43.51 | 49.10 |
| 53 | 409.37 | 30.44 | 36.03 |
| 54 | 414.96 | 19.96 | 25.55 |
| 55 | 420.54 | 19.55 | 27.83 |
| 56 | 426.13 | -16.89 | 29.37 |
| 57 | 431.71 | -25.87 | 29.30 |
| 58 | 437.30 | -30.62 | 32.03 |
| 59 | 442.88 | -40.89 | 42.29 |
| 60 | 448.46L | -50.11 | 51.52 |
| 60 | 448.46R | 56.50 | 61.22 |
| 61 | 455.32 | 50.99 | 55.71 |
| 62 | 462.18 | 40.93 | 45.65 |
| 63 | 469.04 | 34.23 | 39.90 |
| 64 | 475.89 | 25.51 | 38.35 |
| 65 | 482.75 | 23.10 | 40.40 |
| 66 | 489.61 | -24.89 | 38.14 |
| 67 | 496.47 | -33.29 | 39.48 |
| 68 | 503.32 | -39.96 | 42.84 |
| 69 | 510.18 | -50.63 | 53.22 |
| 70 | 517.04L | -55.71 | 58.30 |
| 70 | 517.04R | 56.49 | 60.18 |
| 71 | 523.88 | 50.19 | 53.88 |
| 72 | 530.72 | 40.21 | 43.97 |
| 73 | 537.56 | 34.24 | 39.84 |
| 74 | 544.40 | 24.68 | 41.36 |
| 75 | 551.24 | -25.48 | 48.26 |
| 76 | 558.08 | -25.48 | 38.40 |
| 77 | 564.92 | -34.00 | 39.64 |
| 78 | 571.76 | -40.17 | 44.16 |
| 79 | 578.60 | -50.69 | 54.68 |
| 80 | 585.43L | -55.93 | 59.91 |
| 80 | 585.43R | 54.20 | 59.60 |
| 81 | 591.02 | 48.91 | 54.32 |
| 82 | 596.60 | 37.67 | 43.07 |
| 83 | 602.19 | 29.61 | 35.02 |
| 84 | 607.77 | 26.68 | 33.36 |
| 85 | 613.35 | 18.78 | 33.41 |
| 86 | 618.94 | -19.00 | 29.30 |
| 87 | 624.52 | -21.96 | 30.80 |
| 88 | 630.10 | -30.66 | 35.12 |
| 89 | 635.69 | -38.78 | 42.83 |
| 90 | 641.27L | -47.65 | 51.70 |
| 90 | 641.27R | 53.22 | 58.42 |
| 91 | 647.26 | 48.78 | 53.98 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 79.13 | -10.52 | 89.66 |
| 53 | 409.37 | 265.51 | -45.80 | 311.31 |
| 54 | 414.96 | 366.07 | -81.08 | 447.15 |
| 55 | 420.54 | 342.49 | -118.16 | 460.65 |
| 56 | 426.13 | 351.02 | -156.83 | 507.85 |
| 57 | 431.71 | 309.16 | -195.50 | 504.66 |
| 58 | 437.30 | 187.73 | -239.39 | 427.12 |
| 59 | 442.88 | 60.91 | -284.99 | 345.90 |

STD A Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 69.94 | -333.02 | 402.96 |
| 61 | 455.32 | 42.31 | -164.33 | 206.64 |
| 62 | 462.18 | 300.09 | -133.57 | 433.66 |
| 63 | 469.04 | 447.39 | -106.48 | 553.87 |
| 64 | 475.89 | 533.01 | -83.08 | 616.09 |
| 65 | 482.75 | 534.45 | -112.19 | 646.64 |
| 66 | 489.61 | 540.16 | -155.20 | 695.37 |
| 67 | 496.47 | 464.66 | -198.21 | 662.87 |
| 68 | 503.32 | 288.69 | -246.14 | 534.83 |
| 69 | 510.18 | 72.39 | -298.94 | 371.33 |
| 70 | 517.04 | 54.25 | -352.32 | 406.57 |
| 71 | 523.88 | 30.24 | -243.34 | 273.58 |
| 72 | 530.72 | 276.73 | -198.62 | 475.35 |
| 73 | 537.56 | 425.76 | -158.63 | 584.39 |
| 74 | 544.40 | 507.73 | -123.30 | 631.02 |
| 75 | 551.24 | 512.52 | -87.97 | 600.50 |
| 76 | 558.08 | 525.02 | -117.40 | 642.42 |
| 77 | 564.92 | 442.65 | -150.53 | 593.18 |
| 78 | 571.76 | 258.22 | -189.36 | 447.58 |
| 79 | 578.60 | 51.32 | -233.96 | 285.27 |
| 80 | 585.43 | 61.57 | -337.02 | 398.59 |
| 81 | 591.02 | 54.17 | -274.42 | 328.59 |
| 82 | 596.60 | 222.57 | -233.83 | 456.40 |
| 83 | 602.19 | 357.22 | -193.24 | 550.46 |
| 84 | 607.77 | 430.21 | -160.95 | 591.16 |
| 85 | 613.35 | 464.70 | -131.63 | 596.33 |
| 86 | 618.94 | 464.37 | -137.28 | 601.65 |
| 87 | 624.52 | 411.43 | -175.84 | 587.27 |
| 88 | 630.10 | 344.22 | -219.75 | 563.97 |
| 89 | 635.69 | 212.84 | -263.66 | 476.51 |
| 90 | 641.27 | 35.14 | -311.07 | 346.20 |
| 91 | 647.26 | 1.99 | -0.48 | 2.47 |

STD A Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 42.20 | 45.07 |
| 53 | 409.38 | 27.73 | 30.60 |
| 54 | 414.97 | 16.68 | 22.72 |
| 55 | 420.55 | 21.98 | 29.89 |
| 56 | 426.13 | -17.47 | 31.34 |
| 57 | 431.72 | -26.63 | 30.71 |
| 58 | 437.30 | -27.50 | 29.79 |
| 59 | 442.88 | -38.67 | 39.54 |
| 60 | 448.46L | -48.80 | 49.68 |
| 60 | 448.46R | 51.38 | 53.57 |
| 61 | 455.32 | 43.67 | 45.86 |
| 62 | 462.18 | 31.30 | 36.50 |
| 63 | 469.04 | 31.11 | 37.96 |
| 64 | 475.89 | 21.47 | 37.17 |
| 65 | 482.75 | 27.71 | 55.09 |
| 66 | 489.61 | -21.84 | 37.55 |
| 67 | 496.47 | -31.21 | 38.31 |
| 68 | 503.32 | -31.67 | 36.68 |
| 69 | 510.18 | -44.95 | 46.15 |
| 70 | 517.04L | -51.27 | 52.46 |
| 70 | 517.04R | 52.10 | 53.80 |
| 71 | 523.93 | 43.52 | 45.22 |
| 72 | 530.82 | 31.46 | 38.25 |
| 73 | 537.70 | 31.24 | 38.13 |
| 74 | 544.59 | 20.70 | 40.92 |
| 75 | 551.48 | -25.84 | 39.11 |
| 76 | 558.37 | -22.54 | 38.47 |
| 77 | 565.26 | -31.96 | 38.43 |
| 78 | 572.14 | -32.68 | 36.00 |
| 79 | 579.03 | -45.66 | 47.63 |
| 80 | 585.92L | -52.10 | 54.07 |
| 80 | 585.92R | 50.72 | 53.82 |
| 81 | 591.44 | 44.40 | 47.51 |
| 82 | 596.95 | 34.60 | 37.71 |
| 83 | 602.47 | 24.76 | 29.80 |
| 84 | 607.98 | 26.85 | 34.34 |
| 85 | 613.50 | 17.70 | 34.41 |
| 86 | 619.02 | -21.88 | 31.82 |
| 87 | 624.53 | -19.57 | 31.06 |
| 88 | 630.05 | -28.62 | 34.26 |
| 89 | 635.57 | -37.81 | 40.47 |
| 90 | 641.08L | -46.39 | 49.04 |
| 90 | 641.08R | 46.91 | 49.51 |
| 91 | 647.14 | 45.21 | 47.42 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 76.82 | -5.47 | 82.29 |
| 53 | 409.38 | 247.60 | -23.66 | 271.26 |
| 54 | 414.97 | 326.42 | -41.85 | 368.27 |
| 55 | 420.55 | 295.88 | -65.31 | 361.19 |
| 56 | 426.13 | 306.16 | -93.36 | 399.52 |
| 57 | 431.72 | 267.09 | -121.41 | 388.50 |
| 58 | 437.30 | 159.81 | -165.19 | 325.00 |

STD A Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 38.67 | -213.72 | 252.39 |
| 60 | 448.46 | 38.37 | -299.65 | 338.02 |
| 61 | 455.32 | 49.88 | -144.23 | 194.11 |
| 62 | 462.18 | 242.05 | -100.53 | 342.57 |
| 63 | 469.04 | 336.53 | -68.05 | 404.58 |
| 64 | 475.89 | 394.96 | -46.76 | 441.72 |
| 65 | 482.75 | 370.99 | -50.93 | 421.93 |
| 66 | 489.61 | 395.84 | -85.06 | 480.90 |
| 67 | 496.47 | 342.82 | -119.20 | 462.03 |
| 68 | 503.32 | 210.97 | -167.77 | 378.74 |
| 69 | 510.18 | 55.83 | -230.71 | 286.53 |
| 70 | 517.04 | 30.89 | -315.67 | 346.56 |
| 71 | 523.93 | 28.51 | -194.17 | 222.69 |
| 72 | 530.82 | 226.77 | -139.47 | 366.24 |
| 73 | 537.70 | 326.28 | -97.63 | 423.91 |
| 74 | 544.59 | 386.30 | -68.42 | 454.72 |
| 75 | 551.48 | 365.20 | -39.52 | 404.72 |
| 76 | 558.37 | 392.37 | -63.16 | 455.53 |
| 77 | 565.26 | 330.37 | -89.83 | 420.19 |
| 78 | 572.14 | 184.44 | -129.85 | 314.29 |
| 79 | 579.03 | 32.29 | -183.30 | 215.59 |
| 80 | 585.92 | 39.61 | -321.22 | 360.83 |
| 81 | 591.44 | 33.62 | -243.49 | 277.11 |
| 82 | 596.95 | 194.58 | -194.57 | 389.15 |
| 83 | 602.47 | 296.30 | -145.66 | 441.96 |
| 84 | 607.98 | 343.97 | -112.39 | 456.36 |
| 85 | 613.50 | 374.37 | -87.01 | 461.38 |
| 86 | 619.02 | 366.13 | -83.48 | 449.61 |
| 87 | 624.53 | 306.03 | -113.66 | 419.70 |
| 88 | 630.05 | 248.17 | -157.45 | 405.62 |
| 89 | 635.57 | 140.35 | -201.23 | 341.58 |
| 90 | 641.08 | 17.74 | -252.44 | 270.18 |
| 91 | 647.14 | 1.09 | -0.03 | 1.12 |

STD A Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 43.50 | 49.11 |
| 53 | 409.40 | 30.40 | 36.02 |
| 54 | 414.98 | 19.93 | 25.55 |
| 55 | 420.56 | 19.59 | 27.88 |
| 56 | 426.14 | -16.86 | 29.35 |
| 57 | 431.72 | -25.87 | 29.29 |
| 58 | 437.30 | -30.67 | 32.20 |
| 59 | 442.88 | -40.94 | 42.47 |
| 60 | 448.46L | -50.11 | 51.63 |
| 60 | 448.46R | 56.55 | 61.66 |
| 61 | 455.32 | 51.04 | 56.16 |
| 62 | 462.18 | 41.01 | 46.12 |
| 63 | 469.04 | 34.32 | 39.97 |
| 64 | 475.90 | 25.59 | 38.39 |
| 65 | 482.76 | 23.18 | 45.30 |
| 66 | 489.62 | -24.78 | 37.95 |
| 67 | 496.48 | -33.15 | 39.13 |
| 68 | 503.34 | -39.77 | 42.34 |
| 69 | 510.20 | -50.46 | 53.02 |
| 70 | 517.06L | -55.57 | 58.14 |
| 70 | 517.06R | 57.90 | 61.60 |
| 71 | 523.99 | 51.77 | 55.47 |
| 72 | 530.93 | 41.67 | 45.37 |
| 73 | 537.87 | 34.49 | 40.24 |
| 74 | 544.81 | 24.89 | 41.49 |
| 75 | 551.75 | 21.93 | 38.90 |
| 76 | 558.68 | -26.55 | 39.64 |
| 77 | 565.62 | -35.09 | 40.63 |
| 78 | 572.56 | -42.55 | 46.79 |
| 79 | 579.50 | -52.80 | 57.05 |
| 80 | 586.44L | -58.17 | 62.41 |
| 80 | 586.44R | 54.17 | 60.29 |
| 81 | 591.88 | 48.88 | 55.00 |
| 82 | 597.33 | 40.22 | 46.34 |
| 83 | 602.78 | 31.46 | 37.58 |
| 84 | 608.23 | 26.90 | 33.37 |
| 85 | 613.67 | 18.73 | 33.71 |
| 86 | 619.12 | -19.49 | 30.94 |
| 87 | 624.57 | -24.31 | 32.10 |
| 88 | 630.02 | -32.59 | 38.15 |
| 89 | 635.46 | -41.56 | 47.11 |
| 90 | 640.91L | -48.45 | 54.01 |
| 90 | 640.91R | 55.94 | 61.65 |
| 91 | 647.03 | 51.61 | 56.60 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 80.26 | -10.73 | 90.99 |
| 53 | 409.40 | 266.03 | -46.15 | 312.18 |
| 54 | 414.98 | 366.13 | -81.57 | 447.71 |
| 55 | 420.56 | 342.41 | -118.88 | 461.29 |
| 56 | 426.14 | 351.21 | -157.77 | 508.98 |
| 57 | 431.72 | 309.53 | -196.66 | 506.18 |
| 58 | 437.30 | 188.01 | -240.54 | 428.55 |

STD A Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 66.04 | -286.07 | 352.11 |
| 60 | 448.46 | 75.84 | -333.99 | 409.83 |
| 61 | 455.32 | 41.94 | -164.26 | 206.20 |
| 62 | 462.18 | 300.27 | -133.55 | 433.82 |
| 63 | 469.04 | 448.40 | -106.53 | 554.94 |
| 64 | 475.90 | 534.85 | -83.23 | 618.08 |
| 65 | 482.76 | 537.00 | -121.34 | 658.34 |
| 66 | 489.62 | 543.69 | -168.27 | 711.97 |
| 67 | 496.48 | 469.31 | -215.21 | 684.51 |
| 68 | 503.34 | 294.43 | -267.63 | 562.06 |
| 69 | 510.20 | 79.03 | -325.51 | 404.53 |
| 70 | 517.06 | 56.91 | -383.44 | 440.36 |
| 71 | 523.99 | 29.69 | -238.93 | 268.62 |
| 72 | 530.93 | 282.66 | -197.66 | 480.32 |
| 73 | 537.87 | 443.45 | -159.31 | 602.75 |
| 74 | 544.81 | 528.43 | -123.58 | 652.01 |
| 75 | 551.75 | 535.72 | -87.84 | 623.56 |
| 76 | 558.68 | 540.20 | -114.55 | 654.75 |
| 77 | 565.62 | 445.53 | -146.22 | 591.75 |
| 78 | 572.56 | 240.77 | -181.90 | 422.67 |
| 79 | 579.50 | 54.53 | -221.64 | 276.17 |
| 80 | 586.44 | 72.73 | -383.85 | 456.58 |
| 81 | 591.88 | 64.74 | -338.26 | 402.99 |
| 82 | 597.33 | 234.07 | -292.66 | 526.73 |
| 83 | 602.78 | 377.02 | -247.06 | 624.09 |
| 84 | 608.23 | 435.46 | -206.94 | 642.39 |
| 85 | 613.67 | 475.67 | -170.43 | 646.10 |
| 86 | 619.12 | 486.01 | -155.08 | 641.09 |
| 87 | 624.57 | 429.42 | -193.80 | 623.23 |
| 88 | 630.02 | 343.68 | -237.69 | 581.38 |
| 89 | 635.46 | 200.57 | -281.59 | 482.15 |
| 90 | 640.91 | 39.60 | -326.53 | 366.12 |
| 91 | 647.03 | 4.60 | -0.51 | 5.10 |

STD B Service Loads

STD B Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 56.87 | 63.42 |
| 53 | 409.37 | 39.98 | 46.53 |
| 54 | 414.96 | 26.17 | 34.61 |
| 55 | 420.54 | 21.98 | 38.62 |
| 56 | 426.13 | -30.73 | 48.84 |
| 57 | 431.71 | -34.12 | 43.06 |
| 58 | 437.30 | -39.72 | 41.39 |
| 59 | 442.88 | -52.70 | 54.38 |
| 60 | 448.46L | -57.79 | 59.46 |
| 60 | 448.46R | 66.48 | 72.08 |
| 61 | 455.32 | 59.66 | 65.27 |
| 62 | 462.18 | 45.35 | 50.96 |
| 63 | 469.04 | 37.34 | 43.63 |
| 64 | 475.89 | 28.33 | 42.43 |
| 65 | 482.75 | 23.43 | 42.72 |
| 66 | 489.61 | -26.70 | 41.58 |
| 67 | 496.47 | -36.28 | 41.75 |
| 68 | 503.32 | -44.15 | 47.06 |
| 69 | 510.18 | -57.22 | 60.14 |
| 70 | 517.04L | -66.21 | 69.13 |
| 70 | 517.04R | 66.86 | 70.98 |
| 71 | 523.88 | 58.79 | 62.91 |
| 72 | 530.72 | 44.43 | 48.55 |
| 73 | 537.56 | 37.36 | 42.41 |
| 74 | 544.40 | 28.78 | 45.26 |
| 75 | 551.24 | -27.12 | 52.42 |
| 76 | 558.08 | -27.12 | 42.65 |
| 77 | 564.92 | -36.96 | 42.94 |
| 78 | 571.76 | -44.51 | 49.15 |
| 79 | 578.60 | -57.71 | 62.35 |
| 80 | 585.43L | -65.52 | 70.16 |
| 80 | 585.43R | 64.66 | 71.20 |
| 81 | 591.02 | 59.07 | 65.62 |
| 82 | 596.60 | 47.61 | 54.16 |
| 83 | 602.19 | 39.98 | 46.52 |
| 84 | 607.77 | 33.11 | 42.27 |
| 85 | 613.35 | 21.57 | 35.82 |
| 86 | 618.94 | -24.05 | 40.95 |
| 87 | 624.52 | -29.55 | 41.34 |
| 88 | 630.10 | -40.66 | 45.40 |
| 89 | 635.69 | -49.34 | 54.09 |
| 90 | 641.27L | -56.78 | 61.52 |
| 90 | 641.27R | 65.12 | 71.22 |
| 91 | 647.26 | 58.88 | 64.98 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 90.97 | -12.53 | 103.50 |
| 53 | 409.37 | 320.49 | -54.56 | 375.05 |
| 54 | 414.96 | 451.03 | -96.58 | 547.61 |
| 55 | 420.54 | 446.29 | -140.76 | 587.05 |
| 56 | 426.13 | 446.23 | -186.83 | 633.06 |
| 57 | 431.71 | 399.79 | -232.91 | 632.70 |
| 58 | 437.30 | 218.26 | -285.24 | 503.50 |

STD B Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 71.18 | -339.41 | 410.59 |
| 60 | 448.46 | 81.72 | -460.92 | 542.64 |
| 61 | 455.32 | 49.85 | -194.38 | 244.23 |
| 62 | 462.18 | 355.76 | -158.09 | 513.85 |
| 63 | 469.04 | 536.13 | -126.10 | 662.23 |
| 64 | 475.89 | 639.61 | -98.42 | 738.04 |
| 65 | 482.75 | 643.74 | -131.28 | 775.02 |
| 66 | 489.61 | 645.83 | -181.36 | 827.18 |
| 67 | 496.47 | 557.68 | -231.43 | 789.12 |
| 68 | 503.32 | 347.96 | -287.06 | 635.02 |
| 69 | 510.18 | 78.18 | -348.19 | 426.37 |
| 70 | 517.04 | 60.72 | -487.37 | 548.09 |
| 71 | 523.88 | 35.82 | -289.16 | 324.98 |
| 72 | 530.72 | 324.37 | -235.98 | 560.36 |
| 73 | 537.56 | 509.42 | -188.38 | 697.80 |
| 74 | 544.40 | 609.68 | -146.33 | 756.01 |
| 75 | 551.24 | 626.04 | -104.29 | 730.33 |
| 76 | 558.08 | 620.35 | -131.39 | 751.75 |
| 77 | 564.92 | 530.10 | -168.45 | 698.55 |
| 78 | 571.76 | 315.75 | -211.87 | 527.62 |
| 79 | 578.60 | 60.52 | -261.72 | 322.24 |
| 80 | 585.43 | 73.09 | -474.13 | 547.22 |
| 81 | 591.02 | 64.29 | -329.44 | 393.73 |
| 82 | 596.60 | 270.22 | -280.51 | 550.73 |
| 83 | 602.19 | 423.37 | -231.57 | 654.94 |
| 84 | 607.77 | 501.40 | -192.75 | 694.15 |
| 85 | 613.35 | 537.78 | -157.57 | 695.34 |
| 86 | 618.94 | 561.13 | -161.91 | 723.04 |
| 87 | 624.52 | 508.49 | -207.44 | 715.93 |
| 88 | 630.10 | 383.55 | -259.32 | 642.88 |
| 89 | 635.69 | 239.12 | -311.21 | 550.33 |
| 90 | 641.27 | 40.79 | -363.25 | 404.04 |
| 91 | 647.26 | 2.20 | -0.56 | 2.76 |

STD B Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 56.61 | 59.98 |
| 53 | 409.38 | 37.57 | 40.94 |
| 54 | 414.97 | 22.38 | 34.03 |
| 55 | 420.55 | 24.12 | 40.26 |
| 56 | 426.13 | -31.53 | 51.30 |
| 57 | 431.72 | -35.47 | 45.21 |
| 58 | 437.30 | -36.01 | 40.77 |
| 59 | 442.88 | -51.34 | 52.38 |
| 60 | 448.46L | -56.77 | 57.81 |
| 60 | 448.46R | 60.03 | 62.61 |
| 61 | 455.32 | 51.41 | 53.99 |
| 62 | 462.18 | 39.99 | 45.87 |
| 63 | 469.04 | 34.13 | 41.94 |
| 64 | 475.89 | 25.29 | 42.90 |
| 65 | 482.75 | -30.98 | 59.75 |
| 66 | 489.61 | -23.60 | 43.74 |
| 67 | 496.47 | -34.02 | 41.74 |
| 68 | 503.32 | -34.76 | 38.85 |
| 69 | 510.18 | -49.85 | 51.20 |
| 70 | 517.04L | -60.60 | 61.95 |
| 70 | 517.04R | 61.95 | 63.81 |
| 71 | 523.93 | 52.09 | 53.96 |
| 72 | 530.82 | 40.64 | 46.01 |
| 73 | 537.70 | 36.30 | 43.03 |
| 74 | 544.59 | 26.34 | 46.77 |
| 75 | 551.48 | -27.70 | 42.91 |
| 76 | 558.37 | -24.07 | 43.42 |
| 77 | 565.26 | -34.66 | 41.86 |
| 78 | 572.14 | -35.93 | 39.44 |
| 79 | 579.03 | -50.95 | 53.24 |
| 80 | 585.92L | -61.33 | 63.62 |
| 80 | 585.92R | 60.42 | 64.12 |
| 81 | 591.44 | 52.63 | 56.33 |
| 82 | 596.95 | 42.07 | 45.77 |
| 83 | 602.47 | 36.71 | 43.76 |
| 84 | 607.98 | 33.08 | 43.37 |
| 85 | 613.50 | 21.52 | 37.96 |
| 86 | 619.02 | -27.98 | 42.81 |
| 87 | 624.53 | -27.43 | 43.52 |
| 88 | 630.05 | -34.65 | 40.62 |
| 89 | 635.57 | -43.82 | 46.94 |
| 90 | 641.08L | -55.40 | 58.51 |
| 90 | 641.08R | 56.20 | 59.23 |
| 91 | 647.14 | 59.27 | 61.87 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 90.82 | -6.49 | 97.30 |
| 53 | 409.38 | 305.18 | -28.08 | 333.26 |
| 54 | 414.97 | 415.21 | -49.67 | 464.88 |
| 55 | 420.55 | 385.71 | -77.35 | 463.05 |
| 56 | 426.13 | 389.83 | -110.30 | 500.13 |
| 57 | 431.72 | 345.22 | -143.26 | 488.48 |
| 58 | 437.30 | 188.99 | -194.35 | 383.34 |

STD B Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 49.51 | -250.91 | 300.43 |
| 60 | 448.46 | 44.81 | -410.37 | 455.18 |
| 61 | 455.32 | 62.53 | -169.85 | 232.38 |
| 62 | 462.18 | 291.50 | -118.58 | 410.08 |
| 63 | 469.04 | 408.13 | -80.43 | 488.56 |
| 64 | 475.89 | 482.45 | -55.37 | 537.83 |
| 65 | 482.75 | 460.27 | -60.04 | 520.31 |
| 66 | 489.61 | 484.03 | -99.36 | 583.39 |
| 67 | 496.47 | 416.63 | -138.71 | 555.34 |
| 68 | 503.32 | 258.82 | -194.35 | 453.17 |
| 69 | 510.18 | 62.75 | -266.23 | 328.98 |
| 70 | 517.04 | 34.30 | -438.56 | 472.86 |
| 71 | 523.93 | 36.22 | -228.80 | 265.02 |
| 72 | 530.82 | 271.51 | -164.81 | 436.32 |
| 73 | 537.70 | 395.52 | -115.75 | 511.28 |
| 74 | 544.59 | 469.63 | -81.22 | 550.85 |
| 75 | 551.48 | 459.44 | -46.59 | 506.03 |
| 76 | 558.37 | 473.89 | -70.12 | 544.01 |
| 77 | 565.26 | 400.68 | -99.78 | 500.46 |
| 78 | 572.14 | 230.18 | -144.34 | 374.52 |
| 79 | 579.03 | 37.52 | -203.88 | 241.40 |
| 80 | 585.92 | 46.05 | -443.90 | 489.94 |
| 81 | 591.44 | 39.92 | -290.71 | 330.63 |
| 82 | 596.95 | 241.89 | -232.70 | 474.59 |
| 83 | 602.47 | 350.73 | -174.69 | 525.42 |
| 84 | 607.98 | 414.01 | -135.08 | 549.09 |
| 85 | 613.50 | 440.65 | -104.75 | 545.39 |
| 86 | 619.02 | 444.35 | -96.97 | 541.32 |
| 87 | 624.53 | 385.12 | -132.11 | 517.24 |
| 88 | 630.05 | 281.89 | -183.16 | 465.05 |
| 89 | 635.57 | 160.42 | -234.21 | 394.63 |
| 90 | 641.08 | 20.58 | -327.73 | 348.31 |
| 91 | 647.14 | 1.34 | -0.03 | 1.38 |

STD B Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.82 | 56.87 | 63.45 |
| 53 | 409.40 | 39.91 | 46.49 |
| 54 | 414.98 | 26.11 | 34.58 |
| 55 | 420.56 | 21.98 | 38.68 |
| 56 | 426.14 | -30.75 | 48.86 |
| 57 | 431.72 | -34.11 | 43.04 |
| 58 | 437.30 | -39.78 | 41.59 |
| 59 | 442.88 | -52.77 | 54.58 |
| 60 | 448.46L | -57.82 | 59.64 |
| 60 | 448.46R | 66.58 | 72.64 |
| 61 | 455.32 | 59.77 | 65.83 |
| 62 | 462.18 | 45.45 | 51.51 |
| 63 | 469.04 | 37.42 | 43.70 |
| 64 | 475.90 | 28.41 | 42.48 |
| 65 | 482.76 | -24.66 | 47.91 |
| 66 | 489.62 | -26.58 | 41.62 |
| 67 | 496.48 | -36.12 | 41.14 |
| 68 | 503.34 | -43.94 | 46.83 |
| 69 | 510.20 | -57.01 | 59.90 |
| 70 | 517.06L | -66.12 | 69.01 |
| 70 | 517.06R | 69.67 | 73.70 |
| 71 | 523.99 | 61.95 | 65.98 |
| 72 | 530.93 | 45.91 | 49.94 |
| 73 | 537.87 | 37.47 | 42.68 |
| 74 | 544.81 | 26.70 | 43.10 |
| 75 | 551.75 | 24.60 | 42.47 |
| 76 | 558.68 | -28.10 | 43.68 |
| 77 | 565.62 | -38.02 | 43.94 |
| 78 | 572.56 | -47.06 | 52.01 |
| 79 | 579.50 | -60.09 | 65.04 |
| 80 | 586.44L | -69.64 | 74.59 |
| 80 | 586.44R | 64.58 | 71.73 |
| 81 | 591.88 | 56.81 | 63.95 |
| 82 | 597.33 | 46.15 | 53.29 |
| 83 | 602.78 | 41.67 | 48.82 |
| 84 | 608.23 | 33.76 | 42.21 |
| 85 | 613.67 | 27.71 | 42.10 |
| 86 | 619.12 | -24.80 | 41.58 |
| 87 | 624.57 | -30.99 | 40.68 |
| 88 | 630.02 | -37.24 | 43.75 |
| 89 | 635.46 | -47.83 | 54.33 |
| 90 | 640.91L | -57.56 | 64.07 |
| 90 | 640.91R | 66.79 | 73.46 |
| 91 | 647.03 | 62.69 | 68.52 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.82 | 92.27 | -12.78 | 105.05 |
| 53 | 409.40 | 321.05 | -54.99 | 376.04 |
| 54 | 414.98 | 451.07 | -97.20 | 548.27 |
| 55 | 420.56 | 446.46 | -141.67 | 588.13 |
| 56 | 426.14 | 446.36 | -188.03 | 634.38 |
| 57 | 431.72 | 400.31 | -234.38 | 634.69 |
| 58 | 437.30 | 218.46 | -286.72 | 505.18 |

STD B Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 77.43 | -340.93 | 418.36 |
| 60 | 448.46 | 88.91 | -461.55 | 550.46 |
| 61 | 455.32 | 49.24 | -194.39 | 243.64 |
| 62 | 462.18 | 356.01 | -158.13 | 514.14 |
| 63 | 469.04 | 537.33 | -126.20 | 663.53 |
| 64 | 475.90 | 641.68 | -98.63 | 740.31 |
| 65 | 482.76 | 646.23 | -142.44 | 788.67 |
| 66 | 489.62 | 649.84 | -197.28 | 847.12 |
| 67 | 496.48 | 563.23 | -252.13 | 815.37 |
| 68 | 503.34 | 354.69 | -313.24 | 667.93 |
| 69 | 510.20 | 86.02 | -380.55 | 466.57 |
| 70 | 517.06 | 62.32 | -503.94 | 566.26 |
| 71 | 523.99 | 35.18 | -283.94 | 319.12 |
| 72 | 530.93 | 334.29 | -234.84 | 569.13 |
| 73 | 537.87 | 529.98 | -189.15 | 719.13 |
| 74 | 544.81 | 634.30 | -146.62 | 780.92 |
| 75 | 551.75 | 654.21 | -104.08 | 758.28 |
| 76 | 558.68 | 638.06 | -125.41 | 763.47 |
| 77 | 565.62 | 534.05 | -160.12 | 694.17 |
| 78 | 572.56 | 298.33 | -199.28 | 497.62 |
| 79 | 579.50 | 62.19 | -242.94 | 305.12 |
| 80 | 586.44 | 86.34 | -515.33 | 601.68 |
| 81 | 591.88 | 76.85 | -405.50 | 482.35 |
| 82 | 597.33 | 284.24 | -350.64 | 634.88 |
| 83 | 602.78 | 438.00 | -295.77 | 733.77 |
| 84 | 608.23 | 505.31 | -247.59 | 752.90 |
| 85 | 613.67 | 541.25 | -203.85 | 745.11 |
| 86 | 619.12 | 574.80 | -176.85 | 751.65 |
| 87 | 624.57 | 525.94 | -221.01 | 746.95 |
| 88 | 630.02 | 383.86 | -271.09 | 654.95 |
| 89 | 635.46 | 225.12 | -321.16 | 546.28 |
| 90 | 640.91 | 46.25 | -378.24 | 424.49 |
| 91 | 647.03 | 5.43 | -0.59 | 6.02 |

STD C Service Loads

STD C Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.79 | 57.01 | 64.42 |
| 53 | 409.37 | 42.91 | 50.32 |
| 54 | 414.96 | 31.60 | 39.01 |
| 55 | 420.54 | 25.72 | 37.87 |
| 56 | 426.13 | -24.34 | 40.68 |
| 57 | 431.71 | -37.18 | 43.33 |
| 58 | 437.30 | -44.53 | 46.44 |
| 59 | 442.88 | -55.89 | 57.79 |
| 60 | 448.46L | -64.00 | 65.90 |
| 60 | 448.46R | 76.13 | 82.51 |
| 61 | 455.32 | 66.30 | 72.67 |
| 62 | 462.18 | 51.11 | 57.49 |
| 63 | 469.04 | 42.91 | 49.04 |
| 64 | 475.89 | 30.21 | 43.86 |
| 65 | 482.75 | 25.94 | 45.53 |
| 66 | 489.61 | -27.58 | 41.82 |
| 67 | 496.47 | -40.82 | 46.73 |
| 68 | 503.32 | -49.80 | 53.13 |
| 69 | 510.18 | -64.63 | 67.96 |
| 70 | 517.04L | -74.76 | 78.09 |
| 70 | 517.04R | 75.84 | 80.29 |
| 71 | 523.88 | 65.06 | 69.52 |
| 72 | 530.72 | 50.46 | 54.92 |
| 73 | 537.56 | 41.92 | 47.26 |
| 74 | 544.40 | 31.28 | 49.01 |
| 75 | 551.24 | -30.19 | 55.71 |
| 76 | 558.08 | -30.19 | 46.29 |
| 77 | 564.92 | -41.48 | 46.91 |
| 78 | 571.76 | -50.33 | 55.55 |
| 79 | 578.60 | -65.17 | 70.39 |
| 80 | 585.43L | -75.12 | 80.35 |
| 80 | 585.43R | 70.56 | 77.52 |
| 81 | 591.02 | 62.29 | 69.25 |
| 82 | 596.60 | 49.85 | 56.81 |
| 83 | 602.19 | 44.66 | 51.62 |
| 84 | 607.77 | 35.50 | 42.81 |
| 85 | 613.35 | 28.62 | 44.09 |
| 86 | 618.94 | -26.63 | 42.02 |
| 87 | 624.52 | -32.43 | 44.27 |
| 88 | 630.10 | -40.98 | 46.98 |
| 89 | 635.69 | -52.52 | 57.89 |
| 90 | 641.27L | -61.75 | 67.12 |
| 90 | 641.27R | 71.60 | 78.45 |
| 91 | 647.26 | 63.04 | 69.89 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.79 | 97.64 | -13.15 | 110.79 |
| 53 | 409.37 | 341.98 | -57.24 | 399.22 |
| 54 | 414.96 | 485.92 | -101.33 | 587.25 |
| 55 | 420.54 | 490.79 | -147.67 | 638.46 |
| 56 | 426.13 | 494.84 | -196.01 | 690.85 |
| 57 | 431.71 | 421.49 | -244.34 | 665.83 |
| 58 | 437.30 | 239.05 | -299.22 | 538.27 |

STD C Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 74.97 | -356.01 | 430.98 |
| 60 | 448.46 | 86.08 | -544.53 | 630.62 |
| 61 | 455.32 | 51.54 | -218.14 | 269.68 |
| 62 | 462.18 | 374.50 | -171.40 | 545.89 |
| 63 | 469.04 | 569.09 | -136.70 | 705.80 |
| 64 | 475.89 | 677.83 | -106.70 | 784.53 |
| 65 | 482.75 | 670.67 | -138.17 | 808.84 |
| 66 | 489.61 | 686.63 | -191.02 | 877.65 |
| 67 | 496.47 | 590.37 | -243.88 | 834.24 |
| 68 | 503.32 | 363.30 | -302.69 | 665.99 |
| 69 | 510.18 | 67.52 | -367.39 | 434.92 |
| 70 | 517.04 | 59.49 | -582.53 | 642.03 |
| 71 | 523.88 | 38.83 | -303.09 | 341.91 |
| 72 | 530.72 | 341.06 | -247.37 | 588.43 |
| 73 | 537.56 | 545.11 | -197.48 | 742.59 |
| 74 | 544.40 | 640.52 | -153.41 | 793.92 |
| 75 | 551.24 | 647.99 | -109.34 | 757.33 |
| 76 | 558.08 | 658.77 | -128.75 | 787.52 |
| 77 | 564.92 | 557.08 | -165.17 | 722.24 |
| 78 | 571.76 | 328.67 | -207.94 | 536.60 |
| 79 | 578.60 | 62.00 | -257.13 | 319.13 |
| 80 | 585.43 | 76.62 | -567.33 | 643.95 |
| 81 | 591.02 | 67.39 | -343.10 | 410.49 |
| 82 | 596.60 | 277.87 | -292.17 | 570.04 |
| 83 | 602.19 | 445.91 | -241.23 | 687.14 |
| 84 | 607.77 | 507.16 | -200.81 | 707.97 |
| 85 | 613.35 | 557.78 | -164.17 | 721.94 |
| 86 | 618.94 | 577.59 | -165.87 | 743.46 |
| 87 | 624.52 | 526.56 | -212.55 | 739.11 |
| 88 | 630.10 | 401.02 | -265.76 | 666.78 |
| 89 | 635.69 | 228.97 | -318.97 | 547.95 |
| 90 | 641.27 | 42.98 | -382.46 | 425.44 |
| 91 | 647.26 | 2.22 | -0.59 | 2.82 |

STD C Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 56.43 | 60.26 |
| 53 | 409.38 | 40.28 | 44.10 |
| 54 | 414.97 | 27.27 | 33.66 |
| 55 | 420.55 | 28.14 | 38.11 |
| 56 | 426.13 | -24.09 | 41.73 |
| 57 | 431.72 | -36.45 | 43.26 |
| 58 | 437.30 | -40.64 | 41.81 |
| 59 | 442.88 | -53.75 | 54.93 |
| 60 | 448.46L | -64.16 | 65.33 |
| 60 | 448.46R | 67.76 | 70.69 |
| 61 | 455.32 | 56.51 | 59.44 |
| 62 | 462.18 | 42.64 | 51.02 |
| 63 | 469.04 | 40.83 | 48.54 |
| 64 | 475.89 | 25.94 | 43.07 |
| 65 | 482.75 | 32.06 | 63.87 |
| 66 | 489.61 | -24.30 | 43.93 |
| 67 | 496.47 | -38.44 | 45.87 |
| 68 | 503.32 | -39.28 | 42.70 |
| 69 | 510.18 | -56.23 | 57.77 |
| 70 | 517.04L | -67.63 | 69.17 |
| 70 | 517.04R | 68.87 | 70.89 |
| 71 | 523.93 | 56.84 | 58.87 |
| 72 | 530.82 | 45.15 | 50.41 |
| 73 | 537.70 | 39.87 | 47.26 |
| 74 | 544.59 | 27.89 | 50.14 |
| 75 | 551.48 | -31.37 | 46.85 |
| 76 | 558.37 | -26.90 | 46.96 |
| 77 | 565.26 | -38.99 | 45.89 |
| 78 | 572.14 | -40.57 | 43.15 |
| 79 | 579.03 | -57.37 | 59.95 |
| 80 | 585.92L | -68.69 | 71.27 |
| 80 | 585.92R | 66.94 | 70.95 |
| 81 | 591.44 | 57.50 | 61.51 |
| 82 | 596.95 | 46.36 | 50.37 |
| 83 | 602.47 | 40.17 | 47.54 |
| 84 | 607.98 | 34.78 | 42.29 |
| 85 | 613.50 | 27.14 | 45.18 |
| 86 | 619.02 | -28.05 | 41.20 |
| 87 | 624.53 | -29.93 | 46.14 |
| 88 | 630.05 | -38.83 | 46.33 |
| 89 | 635.57 | -46.53 | 50.07 |
| 90 | 641.08L | -61.41 | 64.95 |
| 90 | 641.08R | 61.61 | 65.05 |
| 91 | 647.14 | 60.39 | 63.33 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 97.42 | -6.80 | 104.22 |
| 53 | 409.38 | 327.91 | -29.44 | 357.35 |
| 54 | 414.97 | 438.16 | -52.08 | 490.24 |
| 55 | 420.55 | 421.63 | -81.07 | 502.71 |
| 56 | 426.13 | 431.16 | -115.59 | 546.74 |
| 57 | 431.72 | 361.74 | -150.10 | 511.84 |
| 58 | 437.30 | 209.01 | -203.55 | 412.56 |

STD C Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 46.65 | -262.73 | 309.38 |
| 60 | 448.46 | 47.02 | -478.88 | 525.90 |
| 61 | 455.32 | 65.80 | -197.91 | 263.71 |
| 62 | 462.18 | 305.97 | -128.88 | 434.85 |
| 63 | 469.04 | 434.30 | -87.41 | 521.71 |
| 64 | 475.89 | 510.91 | -60.17 | 571.09 |
| 65 | 482.75 | 479.57 | -62.88 | 542.45 |
| 66 | 489.61 | 513.89 | -104.25 | 618.14 |
| 67 | 496.47 | 442.39 | -145.82 | 588.22 |
| 68 | 503.32 | 271.53 | -204.78 | 476.30 |
| 69 | 510.18 | 49.32 | -281.06 | 330.38 |
| 70 | 517.04 | 33.49 | -516.21 | 549.70 |
| 71 | 523.93 | 36.53 | -239.66 | 276.18 |
| 72 | 530.82 | 282.70 | -172.68 | 455.38 |
| 73 | 537.70 | 425.87 | -121.32 | 547.19 |
| 74 | 544.59 | 499.41 | -85.15 | 584.56 |
| 75 | 551.48 | 474.65 | -48.88 | 523.53 |
| 76 | 558.37 | 502.81 | -68.36 | 571.16 |
| 77 | 565.26 | 422.16 | -97.72 | 519.88 |
| 78 | 572.14 | 241.17 | -142.23 | 383.40 |
| 79 | 579.03 | 39.24 | -238.24 | 277.48 |
| 80 | 585.92 | 48.19 | -525.39 | 573.57 |
| 81 | 591.44 | 46.50 | -303.02 | 349.52 |
| 82 | 596.95 | 254.11 | -242.39 | 496.51 |
| 83 | 602.47 | 375.67 | -181.84 | 557.50 |
| 84 | 607.98 | 425.57 | -140.60 | 566.16 |
| 85 | 613.50 | 460.06 | -109.06 | 569.12 |
| 86 | 619.02 | 460.42 | -101.39 | 561.81 |
| 87 | 624.53 | 399.49 | -138.25 | 537.74 |
| 88 | 630.05 | 303.80 | -191.89 | 495.70 |
| 89 | 635.57 | 153.11 | -245.54 | 398.65 |
| 90 | 641.08 | 21.84 | -367.89 | 389.73 |
| 91 | 647.14 | 1.39 | -0.04 | 1.43 |

STD C Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 57.00 | 64.44 |
| 53 | 409.40 | 42.82 | 50.26 |
| 54 | 414.98 | 31.52 | 38.96 |
| 55 | 420.56 | 25.71 | 37.88 |
| 56 | 426.14 | -24.37 | 40.69 |
| 57 | 431.72 | -37.18 | 43.31 |
| 58 | 437.30 | -44.56 | 46.62 |
| 59 | 442.88 | -55.96 | 58.03 |
| 60 | 448.46L | -64.03 | 66.09 |
| 60 | 448.46R | 76.23 | 83.14 |
| 61 | 455.32 | 66.41 | 73.32 |
| 62 | 462.18 | 51.20 | 58.10 |
| 63 | 469.04 | 42.98 | 49.59 |
| 64 | 475.90 | 30.05 | 43.67 |
| 65 | 482.76 | 25.50 | 50.67 |
| 66 | 489.62 | -27.47 | 41.89 |
| 67 | 496.48 | -40.64 | 45.90 |
| 68 | 503.34 | -49.56 | 52.86 |
| 69 | 510.20 | -64.39 | 67.69 |
| 70 | 517.06L | -74.54 | 77.84 |
| 70 | 517.06R | 77.96 | 82.32 |
| 71 | 523.99 | 68.33 | 72.69 |
| 72 | 530.93 | 52.02 | 56.38 |
| 73 | 537.87 | 42.98 | 48.50 |
| 74 | 544.81 | 32.56 | 50.20 |
| 75 | 551.75 | 26.80 | 46.82 |
| 76 | 558.68 | -31.25 | 47.13 |
| 77 | 565.62 | -42.54 | 48.06 |
| 78 | 572.56 | -52.99 | 58.56 |
| 79 | 579.50 | -67.71 | 73.28 |
| 80 | 586.44L | -78.18 | 83.75 |
| 80 | 586.44R | 71.45 | 79.33 |
| 81 | 591.88 | 61.77 | 69.65 |
| 82 | 597.33 | 52.05 | 59.93 |
| 83 | 602.78 | 46.62 | 54.50 |
| 84 | 608.23 | 36.44 | 44.76 |
| 85 | 613.67 | 29.23 | 45.13 |
| 86 | 619.12 | -27.28 | 42.12 |
| 87 | 624.57 | -34.43 | 45.47 |
| 88 | 630.02 | -43.43 | 50.81 |
| 89 | 635.46 | -50.68 | 58.06 |
| 90 | 640.91L | -63.86 | 71.23 |
| 90 | 640.91R | 74.22 | 81.69 |
| 91 | 647.03 | 66.97 | 73.50 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 98.98 | -13.41 | 112.39 |
| 53 | 409.40 | 342.72 | -57.70 | 400.42 |
| 54 | 414.98 | 485.86 | -101.99 | 587.85 |
| 55 | 420.56 | 491.00 | -148.64 | 639.64 |
| 56 | 426.14 | 495.07 | -197.27 | 692.34 |
| 57 | 431.72 | 421.97 | -245.90 | 667.87 |
| 58 | 437.30 | 239.17 | -300.78 | 539.95 |

STD C Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 81.93 | -357.62 | 439.55 |
| 60 | 448.46 | 94.08 | -545.47 | 639.54 |
| 61 | 455.32 | 50.79 | -218.49 | 269.28 |
| 62 | 462.18 | 374.78 | -171.45 | 546.23 |
| 63 | 469.04 | 570.35 | -136.83 | 707.17 |
| 64 | 475.90 | 679.93 | -106.93 | 786.86 |
| 65 | 482.76 | 673.36 | -150.61 | 823.97 |
| 66 | 489.62 | 691.03 | -208.74 | 899.77 |
| 67 | 496.48 | 596.20 | -266.88 | 863.08 |
| 68 | 503.34 | 370.30 | -331.75 | 702.05 |
| 69 | 510.20 | 76.06 | -403.28 | 479.34 |
| 70 | 517.06 | 60.05 | -602.45 | 662.50 |
| 71 | 523.99 | 38.14 | -297.62 | 335.76 |
| 72 | 530.93 | 351.20 | -246.18 | 597.38 |
| 73 | 537.87 | 567.60 | -198.30 | 765.90 |
| 74 | 544.81 | 668.81 | -153.71 | 822.52 |
| 75 | 551.75 | 678.86 | -109.13 | 787.99 |
| 76 | 558.68 | 676.86 | -120.78 | 797.64 |
| 77 | 565.62 | 561.47 | -154.32 | 715.79 |
| 78 | 572.56 | 310.82 | -192.27 | 503.09 |
| 79 | 579.50 | 65.97 | -277.87 | 343.84 |
| 80 | 586.44 | 90.52 | -617.45 | 707.97 |
| 81 | 591.88 | 80.56 | -423.21 | 503.77 |
| 82 | 597.33 | 296.53 | -365.96 | 662.48 |
| 83 | 602.78 | 455.35 | -308.75 | 764.10 |
| 84 | 608.23 | 509.38 | -258.49 | 767.86 |
| 85 | 613.67 | 557.25 | -212.83 | 770.08 |
| 86 | 619.12 | 589.83 | -187.59 | 777.42 |
| 87 | 624.57 | 537.04 | -234.47 | 771.51 |
| 88 | 630.02 | 404.74 | -287.68 | 692.43 |
| 89 | 635.46 | 225.62 | -340.90 | 566.52 |
| 90 | 640.91 | 48.65 | -401.90 | 450.55 |
| 91 | 647.03 | 5.56 | -0.62 | 6.19 |

C152b Service Loads

(LC for Variable Axel Spacing)

C152 (LC1) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 56.50 | 63.59 |
| 53 | 409.37 | 38.11 | 45.19 |
| 54 | 414.96 | 27.93 | 35.02 |
| 55 | 420.54 | 22.07 | 36.31 |
| 56 | 426.13 | -28.37 | 46.01 |
| 57 | 431.71 | -36.46 | 44.57 |
| 58 | 437.30 | -43.64 | 45.46 |
| 59 | 442.88 | -54.14 | 55.97 |
| 60 | 448.46L | -63.10 | 64.93 |
| 60 | 448.46R | 73.44 | 79.56 |
| 61 | 455.32 | 64.31 | 70.42 |
| 62 | 462.18 | 50.12 | 56.24 |
| 63 | 469.04 | 41.39 | 47.51 |
| 64 | 475.89 | 30.94 | 47.72 |
| 65 | 482.75 | 26.35 | 45.45 |
| 66 | 489.61 | -30.76 | 45.95 |
| 67 | 496.47 | -40.42 | 47.00 |
| 68 | 503.32 | -48.87 | 52.22 |
| 69 | 510.18 | -63.11 | 66.46 |
| 70 | 517.04L | -72.19 | 75.54 |
| 70 | 517.04R | 73.18 | 77.54 |
| 71 | 523.88 | 63.13 | 67.50 |
| 72 | 530.72 | 49.52 | 53.88 |
| 73 | 537.56 | 41.53 | 47.44 |
| 74 | 544.40 | 31.23 | 49.41 |
| 75 | 551.24 | -30.22 | 55.11 |
| 76 | 558.08 | -30.22 | 45.18 |
| 77 | 564.92 | -41.07 | 46.55 |
| 78 | 571.76 | -49.28 | 54.27 |
| 79 | 578.60 | -63.66 | 68.65 |
| 80 | 585.43L | -72.40 | 77.39 |
| 80 | 585.43R | 68.87 | 75.71 |
| 81 | 591.02 | 60.16 | 67.01 |
| 82 | 596.60 | 49.12 | 55.97 |
| 83 | 602.19 | 44.02 | 50.87 |
| 84 | 607.77 | 35.48 | 42.67 |
| 85 | 613.35 | 28.60 | 44.81 |
| 86 | 618.94 | -26.91 | 43.98 |
| 87 | 624.52 | -31.61 | 44.90 |
| 88 | 630.10 | -40.45 | 46.14 |
| 89 | 635.69 | -50.91 | 56.06 |
| 90 | 641.27L | -60.49 | 65.63 |
| 90 | 641.27R | 69.40 | 76.00 |
| 91 | 647.26 | 61.93 | 68.54 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.69 | -13.11 | 108.79 |
| 53 | 409.37 | 338.89 | -57.05 | 395.94 |
| 54 | 414.96 | 475.46 | -101.00 | 576.45 |
| 55 | 420.54 | 468.45 | -147.21 | 615.67 |
| 56 | 426.13 | 473.28 | -195.44 | 668.72 |
| 57 | 431.71 | 422.58 | -243.67 | 666.24 |
| 58 | 437.30 | 241.32 | -298.49 | 539.81 |

C152 (LC1) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 75.30 | -355.25 | 430.55 |
| 60 | 448.46 | 86.46 | -519.02 | 605.48 |
| 61 | 455.32 | 53.56 | -202.09 | 255.64 |
| 62 | 462.18 | 370.52 | -164.32 | 534.84 |
| 63 | 469.04 | 559.69 | -131.03 | 690.73 |
| 64 | 475.89 | 663.24 | -102.26 | 765.49 |
| 65 | 482.75 | 654.08 | -138.77 | 792.86 |
| 66 | 489.61 | 670.38 | -191.86 | 862.24 |
| 67 | 496.47 | 580.83 | -244.94 | 825.77 |
| 68 | 503.32 | 363.49 | -304.00 | 667.49 |
| 69 | 510.18 | 68.85 | -368.99 | 437.83 |
| 70 | 517.04 | 59.95 | -550.98 | 610.93 |
| 71 | 523.88 | 37.21 | -301.57 | 338.78 |
| 72 | 530.72 | 338.97 | -246.04 | 585.01 |
| 73 | 537.56 | 530.38 | -196.37 | 726.75 |
| 74 | 544.40 | 633.23 | -152.51 | 785.74 |
| 75 | 551.24 | 636.20 | -108.66 | 744.85 |
| 76 | 558.08 | 644.45 | -129.75 | 774.19 |
| 77 | 564.92 | 551.22 | -166.49 | 717.71 |
| 78 | 571.76 | 327.44 | -209.70 | 537.14 |
| 79 | 578.60 | 62.47 | -259.42 | 321.89 |
| 80 | 585.43 | 76.17 | -540.23 | 616.40 |
| 81 | 591.02 | 67.00 | -345.25 | 412.25 |
| 82 | 596.60 | 282.77 | -293.89 | 576.66 |
| 83 | 602.19 | 441.60 | -242.53 | 684.13 |
| 84 | 607.77 | 502.56 | -201.83 | 704.39 |
| 85 | 613.35 | 542.42 | -164.96 | 707.38 |
| 86 | 618.94 | 570.55 | -167.12 | 737.67 |
| 87 | 624.52 | 520.84 | -214.15 | 734.99 |
| 88 | 630.10 | 405.54 | -267.76 | 673.30 |
| 89 | 635.69 | 235.37 | -321.37 | 556.74 |
| 90 | 641.27 | 42.90 | -382.47 | 425.37 |
| 91 | 647.26 | 2.28 | -0.59 | 2.87 |

C152 (LC1) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 55.99 | 59.65 |
| 53 | 409.38 | 34.64 | 38.30 |
| 54 | 414.97 | 24.21 | 33.51 |
| 55 | 420.55 | 25.33 | 38.95 |
| 56 | 426.13 | -28.74 | 47.79 |
| 57 | 431.72 | -37.55 | 46.34 |
| 58 | 437.30 | -39.62 | 42.28 |
| 59 | 442.88 | -51.84 | 52.97 |
| 60 | 448.46L | -63.29 | 64.42 |
| 60 | 448.46R | 66.12 | 68.92 |
| 61 | 455.32 | 55.33 | 58.13 |
| 62 | 462.18 | 43.11 | 50.99 |
| 63 | 469.04 | 38.06 | 45.63 |
| 64 | 475.89 | 26.82 | 47.73 |
| 65 | 482.75 | 32.41 | 63.32 |
| 66 | 489.61 | -27.40 | 47.72 |
| 67 | 496.47 | -38.14 | 46.11 |
| 68 | 503.32 | -38.74 | 43.04 |
| 69 | 510.18 | -55.27 | 56.82 |
| 70 | 517.04L | -65.88 | 67.43 |
| 70 | 517.04R | 66.96 | 68.95 |
| 71 | 523.93 | 55.62 | 57.61 |
| 72 | 530.82 | 44.30 | 50.32 |
| 73 | 537.70 | 39.63 | 47.47 |
| 74 | 544.59 | 27.83 | 50.41 |
| 75 | 551.48 | -31.63 | 48.26 |
| 76 | 558.37 | -26.86 | 46.19 |
| 77 | 565.26 | -38.71 | 45.51 |
| 78 | 572.14 | -39.96 | 44.61 |
| 79 | 579.03 | -56.41 | 58.88 |
| 80 | 585.92L | -66.90 | 69.36 |
| 80 | 585.92R | 64.72 | 68.67 |
| 81 | 591.44 | 56.98 | 60.93 |
| 82 | 596.95 | 45.37 | 49.32 |
| 83 | 602.47 | 39.30 | 47.56 |
| 84 | 607.98 | 34.77 | 42.77 |
| 85 | 613.50 | 27.10 | 45.60 |
| 86 | 619.02 | -28.10 | 42.79 |
| 87 | 624.53 | -29.26 | 46.24 |
| 88 | 630.05 | -38.51 | 45.58 |
| 89 | 635.57 | -50.61 | 54.00 |
| 90 | 641.08L | -59.41 | 62.81 |
| 90 | 641.08R | 60.67 | 63.97 |
| 91 | 647.14 | 58.60 | 61.41 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 96.25 | -6.79 | 103.04 |
| 53 | 409.38 | 322.96 | -29.38 | 352.34 |
| 54 | 414.97 | 438.55 | -51.96 | 490.51 |
| 55 | 420.55 | 404.36 | -80.99 | 485.36 |
| 56 | 426.13 | 414.43 | -115.62 | 530.04 |
| 57 | 431.72 | 365.47 | -150.24 | 515.71 |
| 58 | 437.30 | 210.86 | -204.08 | 414.93 |

C152 (LC1) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 54.55 | -263.71 | 318.26 |
| 60 | 448.46 | 47.24 | -458.19 | 505.43 |
| 61 | 455.32 | 67.17 | -181.89 | 249.07 |
| 62 | 462.18 | 304.75 | -123.63 | 428.38 |
| 63 | 469.04 | 426.88 | -83.78 | 510.66 |
| 64 | 475.89 | 504.13 | -57.63 | 561.76 |
| 65 | 482.75 | 474.52 | -63.02 | 537.54 |
| 66 | 489.61 | 506.21 | -104.73 | 610.95 |
| 67 | 496.47 | 435.00 | -146.47 | 581.48 |
| 68 | 503.32 | 269.35 | -205.65 | 475.00 |
| 69 | 510.18 | 50.23 | -282.20 | 332.43 |
| 70 | 517.04 | 33.98 | -491.40 | 525.37 |
| 71 | 523.93 | 37.69 | -239.44 | 277.13 |
| 72 | 530.82 | 284.16 | -172.29 | 456.45 |
| 73 | 537.70 | 413.73 | -120.85 | 534.59 |
| 74 | 544.59 | 491.77 | -84.70 | 576.47 |
| 75 | 551.48 | 474.44 | -48.46 | 522.91 |
| 76 | 558.37 | 495.94 | -69.33 | 565.27 |
| 77 | 565.26 | 417.75 | -99.11 | 516.86 |
| 78 | 572.14 | 237.80 | -144.14 | 381.94 |
| 79 | 579.03 | 39.52 | -221.16 | 260.68 |
| 80 | 585.92 | 48.53 | -502.18 | 550.71 |
| 81 | 591.44 | 42.07 | -305.57 | 347.65 |
| 82 | 596.95 | 255.34 | -244.43 | 499.77 |
| 83 | 602.47 | 375.16 | -183.28 | 558.44 |
| 84 | 607.98 | 423.52 | -141.59 | 565.11 |
| 85 | 613.50 | 447.50 | -109.72 | 557.22 |
| 86 | 619.02 | 456.23 | -102.12 | 558.35 |
| 87 | 624.53 | 397.77 | -139.25 | 537.01 |
| 88 | 630.05 | 307.36 | -193.26 | 500.62 |
| 89 | 635.57 | 150.12 | -247.28 | 397.40 |
| 90 | 641.08 | 21.77 | -352.59 | 374.36 |
| 91 | 647.14 | 1.43 | -0.04 | 1.46 |

C152 (LC1) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 56.49 | 63.61 |
| 53 | 409.40 | 38.02 | 45.14 |
| 54 | 414.98 | 27.88 | 35.00 |
| 55 | 420.56 | 22.05 | 36.34 |
| 56 | 426.14 | -28.41 | 46.05 |
| 57 | 431.72 | -36.45 | 44.56 |
| 58 | 437.30 | -43.66 | 45.65 |
| 59 | 442.88 | -54.22 | 56.20 |
| 60 | 448.46L | -63.13 | 65.11 |
| 60 | 448.46R | 73.53 | 80.16 |
| 61 | 455.32 | 64.42 | 71.04 |
| 62 | 462.18 | 50.21 | 56.83 |
| 63 | 469.04 | 41.45 | 47.79 |
| 64 | 475.90 | 31.04 | 47.78 |
| 65 | 482.76 | 26.04 | 50.61 |
| 66 | 489.62 | -30.63 | 46.00 |
| 67 | 496.48 | -40.25 | 46.29 |
| 68 | 503.34 | -48.64 | 51.96 |
| 69 | 510.20 | -62.88 | 66.20 |
| 70 | 517.06L | -71.99 | 75.31 |
| 70 | 517.06R | 75.01 | 79.29 |
| 71 | 523.99 | 66.28 | 70.56 |
| 72 | 530.93 | 51.21 | 55.49 |
| 73 | 537.87 | 42.67 | 48.77 |
| 74 | 544.81 | 32.51 | 50.60 |
| 75 | 551.75 | 27.15 | 47.45 |
| 76 | 558.68 | -31.28 | 46.15 |
| 77 | 565.62 | -42.19 | 47.73 |
| 78 | 572.56 | -51.96 | 57.28 |
| 79 | 579.50 | -66.17 | 71.49 |
| 80 | 586.44L | -75.29 | 80.61 |
| 80 | 586.44R | 69.75 | 77.51 |
| 81 | 591.88 | 62.95 | 70.70 |
| 82 | 597.33 | 51.50 | 59.25 |
| 83 | 602.78 | 45.80 | 53.55 |
| 84 | 608.23 | 36.26 | 44.45 |
| 85 | 613.67 | 29.04 | 46.82 |
| 86 | 619.12 | -27.48 | 44.24 |
| 87 | 624.57 | -33.08 | 44.39 |
| 88 | 630.02 | -43.07 | 50.13 |
| 89 | 635.46 | -54.90 | 61.96 |
| 90 | 640.91L | -62.79 | 69.85 |
| 90 | 640.91R | 72.73 | 79.93 |
| 91 | 647.03 | 65.92 | 72.21 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 97.06 | -13.37 | 110.43 |
| 53 | 409.40 | 339.48 | -57.52 | 396.99 |
| 54 | 414.98 | 475.49 | -101.67 | 577.16 |
| 55 | 420.56 | 468.57 | -148.19 | 616.76 |
| 56 | 426.14 | 473.40 | -196.72 | 670.12 |
| 57 | 431.72 | 423.11 | -245.24 | 668.35 |
| 58 | 437.30 | 241.46 | -300.08 | 541.54 |

C152 (LC1) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 81.64 | -356.90 | 438.54 |
| 60 | 448.46 | 93.75 | -519.83 | 613.58 |
| 61 | 455.32 | 52.85 | -202.10 | 254.95 |
| 62 | 462.18 | 370.79 | -164.36 | 535.15 |
| 63 | 469.04 | 560.97 | -131.15 | 692.12 |
| 64 | 475.90 | 665.30 | -102.48 | 767.77 |
| 65 | 482.76 | 656.57 | -150.12 | 806.70 |
| 66 | 489.62 | 674.50 | -208.02 | 882.52 |
| 67 | 496.48 | 586.58 | -265.92 | 852.50 |
| 68 | 503.34 | 370.65 | -330.49 | 701.14 |
| 69 | 510.20 | 77.33 | -401.66 | 478.99 |
| 70 | 517.06 | 61.57 | -567.78 | 629.35 |
| 71 | 523.99 | 36.55 | -296.10 | 332.65 |
| 72 | 530.93 | 349.29 | -244.83 | 594.12 |
| 73 | 537.87 | 551.98 | -197.15 | 749.13 |
| 74 | 544.81 | 658.86 | -152.79 | 811.65 |
| 75 | 551.75 | 666.95 | -108.42 | 775.37 |
| 76 | 558.68 | 662.36 | -123.83 | 786.19 |
| 77 | 565.62 | 555.81 | -158.23 | 714.04 |
| 78 | 572.56 | 309.24 | -197.16 | 506.40 |
| 79 | 579.50 | 66.44 | -255.62 | 322.06 |
| 80 | 586.44 | 89.99 | -584.21 | 674.20 |
| 81 | 591.88 | 80.09 | -424.57 | 504.66 |
| 82 | 597.33 | 296.14 | -367.08 | 663.22 |
| 83 | 602.78 | 451.17 | -309.59 | 760.76 |
| 84 | 608.23 | 505.67 | -259.13 | 764.80 |
| 85 | 613.67 | 539.17 | -213.33 | 752.49 |
| 86 | 619.12 | 581.78 | -188.93 | 770.71 |
| 87 | 624.57 | 534.83 | -236.14 | 770.96 |
| 88 | 630.02 | 410.38 | -289.73 | 700.11 |
| 89 | 635.46 | 228.77 | -343.32 | 572.09 |
| 90 | 640.91 | 48.41 | -400.69 | 449.09 |
| 91 | 647.03 | 5.70 | -0.62 | 6.31 |

C152 (LC2) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 50.46 | 57.28 |
| 53 | 409.37 | 39.56 | 46.39 |
| 54 | 414.96 | 25.41 | 33.57 |
| 55 | 420.54 | 24.73 | 41.53 |
| 56 | 426.13 | -26.39 | 41.80 |
| 57 | 431.71 | -35.97 | 42.17 |
| 58 | 437.30 | -44.71 | 46.48 |
| 59 | 442.88 | -51.94 | 53.71 |
| 60 | 448.46L | -61.96 | 63.72 |
| 60 | 448.46R | 72.97 | 78.87 |
| 61 | 455.32 | 64.13 | 70.02 |
| 62 | 462.18 | 47.17 | 53.06 |
| 63 | 469.04 | 41.62 | 48.75 |
| 64 | 475.89 | 29.16 | 44.22 |
| 65 | 482.75 | 25.37 | 46.06 |
| 66 | 489.61 | -28.34 | 44.49 |
| 67 | 496.47 | -36.88 | 41.90 |
| 68 | 503.32 | -44.84 | 48.13 |
| 69 | 510.18 | -57.93 | 61.23 |
| 70 | 517.04L | -72.01 | 75.31 |
| 70 | 517.04R | 72.64 | 76.81 |
| 71 | 523.88 | 63.07 | 67.24 |
| 72 | 530.72 | 47.55 | 51.73 |
| 73 | 537.56 | 39.87 | 44.47 |
| 74 | 544.40 | 29.26 | 44.14 |
| 75 | 551.24 | 26.99 | 53.73 |
| 76 | 558.08 | -26.75 | 42.34 |
| 77 | 564.92 | -37.45 | 44.03 |
| 78 | 571.76 | -45.12 | 49.96 |
| 79 | 578.60 | -58.52 | 63.35 |
| 80 | 585.43L | -71.70 | 76.53 |
| 80 | 585.43R | 67.88 | 74.76 |
| 81 | 591.02 | 60.03 | 66.91 |
| 82 | 596.60 | 52.05 | 58.93 |
| 83 | 602.19 | 42.01 | 48.90 |
| 84 | 607.77 | 39.26 | 47.46 |
| 85 | 613.35 | 26.27 | 44.41 |
| 86 | 618.94 | -27.21 | 42.25 |
| 87 | 624.52 | -31.30 | 42.54 |
| 88 | 630.10 | -40.08 | 45.05 |
| 89 | 635.69 | -47.46 | 52.43 |
| 90 | 641.27L | -60.02 | 64.99 |
| 90 | 641.27R | 69.94 | 76.36 |
| 91 | 647.26 | 61.87 | 68.29 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.72 | -12.63 | 108.35 |
| 53 | 409.37 | 339.08 | -54.99 | 394.07 |
| 54 | 414.96 | 475.79 | -97.35 | 573.13 |
| 55 | 420.54 | 469.20 | -141.91 | 611.11 |
| 56 | 426.13 | 474.21 | -188.43 | 662.64 |
| 57 | 431.71 | 423.04 | -234.95 | 657.98 |
| 58 | 437.30 | 239.89 | -287.88 | 527.77 |

C152 (LC2) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 72.94 | -342.70 | 415.64 |
| 60 | 448.46 | 83.76 | -525.50 | 609.26 |
| 61 | 455.32 | 58.32 | -211.36 | 269.68 |
| 62 | 462.18 | 372.95 | -162.57 | 535.52 |
| 63 | 469.04 | 548.68 | -129.62 | 678.29 |
| 64 | 475.89 | 650.51 | -101.14 | 751.64 |
| 65 | 482.75 | 640.88 | -134.37 | 775.25 |
| 66 | 489.61 | 658.33 | -185.86 | 844.19 |
| 67 | 496.47 | 569.16 | -237.36 | 806.51 |
| 68 | 503.32 | 359.59 | -294.72 | 654.31 |
| 69 | 510.18 | 80.21 | -357.89 | 438.10 |
| 70 | 517.04 | 57.57 | -557.51 | 615.08 |
| 71 | 523.88 | 36.81 | -290.20 | 327.00 |
| 72 | 530.72 | 340.08 | -236.70 | 576.78 |
| 73 | 537.56 | 521.25 | -188.86 | 710.11 |
| 74 | 544.40 | 621.45 | -146.66 | 768.10 |
| 75 | 551.24 | 622.75 | -104.46 | 727.20 |
| 76 | 558.08 | 633.74 | -124.58 | 758.33 |
| 77 | 564.92 | 538.45 | -159.91 | 698.36 |
| 78 | 571.76 | 326.77 | -201.48 | 528.26 |
| 79 | 578.60 | 61.78 | -249.37 | 311.15 |
| 80 | 585.43 | 73.25 | -545.95 | 619.21 |
| 81 | 591.02 | 64.43 | -332.80 | 397.22 |
| 82 | 596.60 | 280.59 | -283.23 | 563.82 |
| 83 | 602.19 | 430.54 | -233.66 | 664.20 |
| 84 | 607.77 | 486.03 | -194.41 | 680.45 |
| 85 | 613.35 | 527.33 | -158.88 | 686.21 |
| 86 | 618.94 | 556.65 | -165.29 | 721.94 |
| 87 | 624.52 | 510.66 | -211.84 | 722.50 |
| 88 | 630.10 | 392.15 | -264.94 | 657.09 |
| 89 | 635.69 | 229.39 | -318.04 | 547.44 |
| 90 | 641.27 | 41.25 | -373.62 | 414.87 |
| 91 | 647.26 | 2.18 | -0.57 | 2.75 |

C152 (LC2) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 50.16 | 53.69 |
| 53 | 409.38 | 37.20 | 40.73 |
| 54 | 414.97 | 21.57 | 32.96 |
| 55 | 420.55 | 28.63 | 44.81 |
| 56 | 426.13 | -26.05 | 42.55 |
| 57 | 431.72 | -35.48 | 42.21 |
| 58 | 437.30 | -40.58 | 43.10 |
| 59 | 442.88 | -49.05 | 50.15 |
| 60 | 448.46L | -61.57 | 62.68 |
| 60 | 448.46R | 66.30 | 69.01 |
| 61 | 455.32 | 55.36 | 58.07 |
| 62 | 462.18 | 40.64 | 47.00 |
| 63 | 469.04 | 39.30 | 48.07 |
| 64 | 475.89 | 24.77 | 43.52 |
| 65 | 482.75 | -33.47 | 62.36 |
| 66 | 489.61 | -25.20 | 45.69 |
| 67 | 496.47 | -34.54 | 44.49 |
| 68 | 503.32 | -37.27 | 39.52 |
| 69 | 510.18 | -49.98 | 51.50 |
| 70 | 517.04L | -66.29 | 67.81 |
| 70 | 517.04R | 67.45 | 69.37 |
| 71 | 523.93 | 55.71 | 57.63 |
| 72 | 530.82 | 41.93 | 45.35 |
| 73 | 537.70 | 37.57 | 43.97 |
| 74 | 544.59 | 26.72 | 45.44 |
| 75 | 551.48 | -28.55 | 44.85 |
| 76 | 558.37 | -23.67 | 43.27 |
| 77 | 565.26 | -35.00 | 42.96 |
| 78 | 572.14 | -37.73 | 41.35 |
| 79 | 579.03 | -51.13 | 53.52 |
| 80 | 585.92L | -67.50 | 69.89 |
| 80 | 585.92R | 64.12 | 68.01 |
| 81 | 591.44 | 58.84 | 62.73 |
| 82 | 596.95 | 48.88 | 52.78 |
| 83 | 602.47 | 36.96 | 43.25 |
| 84 | 607.98 | 39.02 | 48.57 |
| 85 | 613.50 | 24.45 | 43.62 |
| 86 | 619.02 | -28.53 | 41.14 |
| 87 | 624.53 | -28.85 | 44.52 |
| 88 | 630.05 | -36.69 | 41.05 |
| 89 | 635.57 | -47.08 | 50.36 |
| 90 | 641.08L | -59.23 | 62.51 |
| 90 | 641.08R | 61.15 | 64.37 |
| 91 | 647.14 | 62.36 | 65.10 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 96.26 | -6.55 | 102.81 |
| 53 | 409.38 | 323.12 | -28.34 | 351.46 |
| 54 | 414.97 | 438.93 | -50.13 | 489.06 |
| 55 | 420.55 | 405.04 | -78.20 | 483.24 |
| 56 | 426.13 | 415.02 | -111.74 | 526.77 |
| 57 | 431.72 | 366.28 | -145.28 | 511.56 |
| 58 | 437.30 | 208.91 | -197.56 | 406.47 |

C152 (LC2) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 54.62 | -255.51 | 310.12 |
| 60 | 448.46 | 45.91 | -461.13 | 507.04 |
| 61 | 455.32 | 72.18 | -193.21 | 265.39 |
| 62 | 462.18 | 307.39 | -122.64 | 430.03 |
| 63 | 469.04 | 421.31 | -83.05 | 504.36 |
| 64 | 475.89 | 498.28 | -57.08 | 555.37 |
| 65 | 482.75 | 468.89 | -61.00 | 529.89 |
| 66 | 489.61 | 500.83 | -101.77 | 602.60 |
| 67 | 496.47 | 429.28 | -142.56 | 571.84 |
| 68 | 503.32 | 271.31 | -200.55 | 471.85 |
| 69 | 510.18 | 63.60 | -275.66 | 339.27 |
| 70 | 517.04 | 32.20 | -495.29 | 527.49 |
| 71 | 523.93 | 44.22 | -231.25 | 275.47 |
| 72 | 530.82 | 282.06 | -166.21 | 448.27 |
| 73 | 537.70 | 409.62 | -116.44 | 526.06 |
| 74 | 544.59 | 486.36 | -81.52 | 567.88 |
| 75 | 551.48 | 468.85 | -46.56 | 515.41 |
| 76 | 558.37 | 491.09 | -65.69 | 556.79 |
| 77 | 565.26 | 411.04 | -93.99 | 505.03 |
| 78 | 572.14 | 240.25 | -136.82 | 377.07 |
| 79 | 579.03 | 38.46 | -227.70 | 266.16 |
| 80 | 585.92 | 47.26 | -505.94 | 553.20 |
| 81 | 591.44 | 49.12 | -297.24 | 346.37 |
| 82 | 596.95 | 256.75 | -237.58 | 494.32 |
| 83 | 602.47 | 365.21 | -177.91 | 543.12 |
| 84 | 607.98 | 414.84 | -137.30 | 552.14 |
| 85 | 613.50 | 437.89 | -106.32 | 544.21 |
| 86 | 619.02 | 447.82 | -99.38 | 547.20 |
| 87 | 624.53 | 392.30 | -135.59 | 527.89 |
| 88 | 630.05 | 301.22 | -188.32 | 489.54 |
| 89 | 635.57 | 158.41 | -241.06 | 399.47 |
| 90 | 641.08 | 20.85 | -351.01 | 371.86 |
| 91 | 647.14 | 1.43 | -0.03 | 1.46 |

C152 (LC2) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 50.43 | 57.29 |
| 53 | 409.40 | 39.49 | 46.35 |
| 54 | 414.98 | 25.35 | 33.55 |
| 55 | 420.56 | 24.76 | 41.62 |
| 56 | 426.14 | -26.40 | 41.81 |
| 57 | 431.72 | -35.97 | 42.16 |
| 58 | 437.30 | -44.75 | 46.68 |
| 59 | 442.88 | -51.97 | 53.90 |
| 60 | 448.46L | -61.99 | 63.92 |
| 60 | 448.46R | 73.08 | 79.52 |
| 61 | 455.32 | 64.24 | 70.68 |
| 62 | 462.18 | 47.21 | 53.65 |
| 63 | 469.04 | 41.68 | 48.81 |
| 64 | 475.90 | 29.26 | 44.29 |
| 65 | 482.76 | -26.52 | 51.86 |
| 66 | 489.62 | -28.22 | 44.50 |
| 67 | 496.48 | -36.73 | 41.13 |
| 68 | 503.34 | -44.62 | 47.88 |
| 69 | 510.20 | -57.71 | 60.98 |
| 70 | 517.06L | -71.86 | 75.13 |
| 70 | 517.06R | 75.34 | 79.46 |
| 71 | 523.99 | 66.03 | 70.16 |
| 72 | 530.93 | 52.60 | 56.72 |
| 73 | 537.87 | 43.59 | 48.33 |
| 74 | 544.81 | 30.53 | 45.38 |
| 75 | 551.75 | 26.43 | 44.60 |
| 76 | 558.68 | -33.37 | 48.78 |
| 77 | 565.62 | -44.04 | 50.61 |
| 78 | 572.56 | -53.64 | 58.79 |
| 79 | 579.50 | -68.23 | 73.38 |
| 80 | 586.44L | -75.79 | 80.95 |
| 80 | 586.44R | 67.49 | 74.98 |
| 81 | 591.88 | 61.44 | 68.93 |
| 82 | 597.33 | 54.16 | 61.65 |
| 83 | 602.78 | 43.71 | 51.20 |
| 84 | 608.23 | 40.24 | 48.15 |
| 85 | 613.67 | 26.59 | 45.87 |
| 86 | 619.12 | -28.04 | 47.89 |
| 87 | 624.57 | -32.80 | 44.89 |
| 88 | 630.02 | -41.26 | 48.07 |
| 89 | 635.46 | -51.21 | 58.03 |
| 90 | 640.91L | -60.98 | 67.80 |
| 90 | 640.91R | 71.38 | 78.37 |
| 91 | 647.03 | 65.53 | 71.64 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 97.08 | -12.89 | 109.97 |
| 53 | 409.40 | 339.66 | -55.45 | 395.11 |
| 54 | 414.98 | 475.82 | -98.01 | 573.83 |
| 55 | 420.56 | 469.31 | -142.88 | 612.19 |
| 56 | 426.14 | 474.32 | -189.69 | 664.01 |
| 57 | 431.72 | 423.57 | -236.50 | 660.07 |
| 58 | 437.30 | 240.20 | -289.46 | 529.67 |

C152 (LC2) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 79.70 | -344.35 | 424.05 |
| 60 | 448.46 | 91.52 | -526.31 | 617.83 |
| 61 | 455.32 | 57.63 | -211.73 | 269.36 |
| 62 | 462.18 | 373.13 | -162.61 | 535.75 |
| 63 | 469.04 | 549.92 | -129.73 | 679.64 |
| 64 | 475.90 | 652.41 | -101.35 | 753.76 |
| 65 | 482.76 | 643.31 | -146.47 | 789.78 |
| 66 | 489.62 | 662.33 | -203.07 | 865.41 |
| 67 | 496.48 | 574.73 | -259.68 | 834.42 |
| 68 | 503.34 | 366.29 | -322.89 | 689.18 |
| 69 | 510.20 | 88.26 | -392.64 | 480.90 |
| 70 | 517.06 | 57.63 | -576.84 | 634.47 |
| 71 | 523.99 | 36.15 | -284.96 | 321.11 |
| 72 | 530.93 | 345.21 | -235.54 | 580.75 |
| 73 | 537.87 | 542.48 | -189.62 | 732.10 |
| 74 | 544.81 | 646.91 | -146.93 | 793.84 |
| 75 | 551.75 | 653.59 | -104.23 | 757.81 |
| 76 | 558.68 | 651.21 | -115.89 | 767.10 |
| 77 | 565.62 | 543.55 | -148.14 | 691.69 |
| 78 | 572.56 | 305.00 | -184.69 | 489.69 |
| 79 | 579.50 | 63.95 | -263.13 | 327.08 |
| 80 | 586.44 | 86.56 | -590.96 | 677.52 |
| 81 | 591.88 | 77.03 | -411.89 | 488.92 |
| 82 | 597.33 | 294.77 | -356.04 | 650.81 |
| 83 | 602.78 | 440.82 | -300.19 | 741.01 |
| 84 | 608.23 | 488.96 | -251.20 | 740.17 |
| 85 | 613.67 | 522.31 | -206.78 | 729.08 |
| 86 | 619.12 | 563.49 | -181.84 | 745.33 |
| 87 | 624.57 | 521.67 | -227.29 | 748.96 |
| 88 | 630.02 | 403.57 | -278.92 | 682.48 |
| 89 | 635.46 | 220.43 | -330.54 | 550.97 |
| 90 | 640.91 | 46.59 | -391.32 | 437.91 |
| 91 | 647.03 | 5.59 | -0.60 | 6.18 |

C152 (LC3) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 54.95 | 61.55 |
| 53 | 409.37 | 43.42 | 50.02 |
| 54 | 414.96 | 32.13 | 38.73 |
| 55 | 420.54 | 26.15 | 40.32 |
| 56 | 426.13 | -26.93 | 44.12 |
| 57 | 431.71 | -36.93 | 45.41 |
| 58 | 437.30 | -44.06 | 45.77 |
| 59 | 442.88 | -54.20 | 55.91 |
| 60 | 448.46L | -62.96 | 64.67 |
| 60 | 448.46R | 70.88 | 76.59 |
| 61 | 455.32 | 61.99 | 67.69 |
| 62 | 462.18 | 48.37 | 54.08 |
| 63 | 469.04 | 43.33 | 49.98 |
| 64 | 475.89 | 31.52 | 49.02 |
| 65 | 482.75 | 26.94 | 46.17 |
| 66 | 489.61 | -26.60 | 43.96 |
| 67 | 496.47 | -39.01 | 45.45 |
| 68 | 503.32 | -46.77 | 50.04 |
| 69 | 510.18 | -60.33 | 63.60 |
| 70 | 517.04L | -69.64 | 72.91 |
| 70 | 517.04R | 70.59 | 74.61 |
| 71 | 523.88 | 60.80 | 64.82 |
| 72 | 530.72 | 49.93 | 53.94 |
| 73 | 537.56 | 42.30 | 48.01 |
| 74 | 544.40 | 32.85 | 50.46 |
| 75 | 551.24 | -28.90 | 53.93 |
| 76 | 558.08 | -28.90 | 45.28 |
| 77 | 564.92 | -39.69 | 45.62 |
| 78 | 571.76 | -47.07 | 51.74 |
| 79 | 578.60 | -60.98 | 65.65 |
| 80 | 585.43L | -70.14 | 74.81 |
| 80 | 585.43R | 65.49 | 72.06 |
| 81 | 591.02 | 58.66 | 65.23 |
| 82 | 596.60 | 49.63 | 56.20 |
| 83 | 602.19 | 44.76 | 51.32 |
| 84 | 607.77 | 36.56 | 44.21 |
| 85 | 613.35 | 23.45 | 42.70 |
| 86 | 618.94 | -27.58 | 45.07 |
| 87 | 624.52 | -30.90 | 44.39 |
| 88 | 630.10 | -39.58 | 46.17 |
| 89 | 635.69 | -50.15 | 54.96 |
| 90 | 641.27L | -58.26 | 63.06 |
| 90 | 641.27R | 67.06 | 73.26 |
| 91 | 647.26 | 59.52 | 65.72 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.75 | -12.08 | 107.82 |
| 53 | 409.37 | 339.27 | -52.58 | 391.85 |
| 54 | 414.96 | 476.13 | -93.08 | 569.20 |
| 55 | 420.54 | 469.88 | -135.68 | 605.56 |
| 56 | 426.13 | 475.20 | -180.13 | 655.33 |
| 57 | 431.71 | 424.10 | -224.59 | 648.69 |
| 58 | 437.30 | 238.96 | -275.14 | 514.10 |

C152 (LC3) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 69.00 | -327.48 | 396.48 |
| 60 | 448.46 | 79.23 | -529.84 | 609.07 |
| 61 | 455.32 | 61.98 | -225.68 | 287.67 |
| 62 | 462.18 | 362.00 | -160.81 | 522.81 |
| 63 | 469.04 | 537.11 | -128.18 | 665.29 |
| 64 | 475.89 | 636.01 | -100.00 | 736.02 |
| 65 | 482.75 | 626.51 | -127.09 | 753.60 |
| 66 | 489.61 | 644.99 | -175.83 | 820.81 |
| 67 | 496.47 | 557.17 | -224.56 | 781.73 |
| 68 | 503.32 | 350.36 | -278.86 | 629.22 |
| 69 | 510.18 | 73.57 | -338.68 | 412.25 |
| 70 | 517.04 | 54.25 | -565.20 | 619.45 |
| 71 | 523.88 | 36.39 | -278.14 | 314.53 |
| 72 | 530.72 | 329.42 | -226.88 | 556.30 |
| 73 | 537.56 | 511.61 | -181.04 | 692.65 |
| 74 | 544.40 | 608.10 | -140.59 | 748.69 |
| 75 | 551.24 | 607.91 | -100.14 | 708.05 |
| 76 | 558.08 | 621.86 | -117.41 | 739.27 |
| 77 | 564.92 | 526.08 | -150.78 | 676.86 |
| 78 | 571.76 | 316.20 | -190.12 | 506.32 |
| 79 | 578.60 | 59.08 | -248.06 | 307.14 |
| 80 | 585.43 | 70.22 | -552.99 | 623.21 |
| 81 | 591.02 | 61.76 | -315.93 | 377.69 |
| 82 | 596.60 | 278.91 | -268.93 | 547.84 |
| 83 | 602.19 | 422.04 | -221.94 | 643.98 |
| 84 | 607.77 | 469.19 | -184.70 | 653.88 |
| 85 | 613.35 | 514.34 | -150.96 | 665.30 |
| 86 | 618.94 | 541.96 | -158.06 | 700.02 |
| 87 | 624.52 | 497.76 | -202.62 | 700.37 |
| 88 | 630.10 | 385.06 | -253.46 | 638.53 |
| 89 | 635.69 | 218.55 | -304.31 | 522.86 |
| 90 | 641.27 | 39.64 | -363.67 | 403.31 |
| 91 | 647.26 | 2.13 | -0.55 | 2.68 |

C152 (LC3) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 54.90 | 58.31 |
| 53 | 409.38 | 40.88 | 44.29 |
| 54 | 414.97 | 27.86 | 35.77 |
| 55 | 420.55 | 28.56 | 41.78 |
| 56 | 426.13 | -26.46 | 44.86 |
| 57 | 431.72 | -36.15 | 45.13 |
| 58 | 437.30 | -39.89 | 43.86 |
| 59 | 442.88 | -52.35 | 53.41 |
| 60 | 448.46L | -63.03 | 64.10 |
| 60 | 448.46R | 64.10 | 66.71 |
| 61 | 455.32 | 54.36 | 56.98 |
| 62 | 462.18 | 42.13 | 51.46 |
| 63 | 469.04 | 41.32 | 49.47 |
| 64 | 475.89 | 27.33 | 49.14 |
| 65 | 482.75 | 31.46 | 62.75 |
| 66 | 489.61 | -23.60 | 45.66 |
| 67 | 496.47 | -37.13 | 46.02 |
| 68 | 503.32 | -37.41 | 41.93 |
| 69 | 510.18 | -53.31 | 54.82 |
| 70 | 517.04L | -63.94 | 65.45 |
| 70 | 517.04R | 64.92 | 66.76 |
| 71 | 523.93 | 55.01 | 56.84 |
| 72 | 530.82 | 44.80 | 50.93 |
| 73 | 537.70 | 40.37 | 48.08 |
| 74 | 544.59 | 29.50 | 51.55 |
| 75 | 551.48 | -30.93 | 48.19 |
| 76 | 558.37 | -25.97 | 47.28 |
| 77 | 565.26 | -37.66 | 45.37 |
| 78 | 572.14 | -38.43 | 44.19 |
| 79 | 579.03 | -54.41 | 56.72 |
| 80 | 585.92L | -65.00 | 67.31 |
| 80 | 585.92R | 63.54 | 67.34 |
| 81 | 591.44 | 56.70 | 60.50 |
| 82 | 596.95 | 45.86 | 49.65 |
| 83 | 602.47 | 40.12 | 48.53 |
| 84 | 607.98 | 35.89 | 44.80 |
| 85 | 613.50 | 28.94 | 49.18 |
| 86 | 619.02 | -30.46 | 45.46 |
| 87 | 624.53 | -28.32 | 46.41 |
| 88 | 630.05 | -37.47 | 45.45 |
| 89 | 635.57 | -50.51 | 53.69 |
| 90 | 641.08L | -58.78 | 61.96 |
| 90 | 641.08R | 58.98 | 62.08 |
| 91 | 647.14 | 57.98 | 60.62 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 96.28 | -6.26 | 102.53 |
| 53 | 409.38 | 323.23 | -27.08 | 350.31 |
| 54 | 414.97 | 439.26 | -47.90 | 487.16 |
| 55 | 420.55 | 405.86 | -74.68 | 480.54 |
| 56 | 426.13 | 416.34 | -106.64 | 522.98 |
| 57 | 431.72 | 367.55 | -138.60 | 506.16 |
| 58 | 437.30 | 210.20 | -188.33 | 398.54 |

C152 (LC3) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 56.02 | -243.43 | 299.46 |
| 60 | 448.46 | 43.36 | -463.41 | 506.77 |
| 61 | 455.32 | 75.12 | -206.69 | 281.82 |
| 62 | 462.18 | 300.16 | -121.69 | 421.86 |
| 63 | 469.04 | 415.97 | -82.33 | 498.30 |
| 64 | 475.89 | 491.95 | -56.54 | 548.49 |
| 65 | 482.75 | 462.79 | -57.80 | 520.59 |
| 66 | 489.61 | 495.16 | -96.12 | 591.28 |
| 67 | 496.47 | 423.94 | -134.70 | 558.64 |
| 68 | 503.32 | 265.68 | -189.57 | 455.24 |
| 69 | 510.18 | 56.57 | -260.68 | 317.25 |
| 70 | 517.04 | 30.63 | -499.22 | 529.85 |
| 71 | 523.93 | 46.40 | -221.54 | 267.94 |
| 72 | 530.82 | 279.17 | -159.28 | 438.45 |
| 73 | 537.70 | 405.43 | -111.63 | 517.07 |
| 74 | 544.59 | 480.58 | -78.18 | 558.76 |
| 75 | 551.48 | 462.62 | -44.64 | 507.26 |
| 76 | 558.37 | 486.10 | -62.40 | 548.49 |
| 77 | 565.26 | 404.78 | -89.58 | 494.35 |
| 78 | 572.14 | 236.13 | -130.90 | 367.03 |
| 79 | 579.03 | 37.62 | -234.22 | 271.84 |
| 80 | 585.92 | 46.25 | -509.45 | 555.71 |
| 81 | 591.44 | 55.25 | -281.67 | 336.92 |
| 82 | 596.95 | 256.92 | -225.04 | 481.96 |
| 83 | 602.47 | 366.69 | -168.41 | 535.10 |
| 84 | 607.98 | 406.51 | -129.91 | 536.42 |
| 85 | 613.50 | 431.69 | -100.64 | 532.33 |
| 86 | 619.02 | 438.49 | -97.18 | 535.67 |
| 87 | 624.53 | 385.55 | -132.70 | 518.25 |
| 88 | 630.05 | 297.05 | -184.55 | 481.60 |
| 89 | 635.57 | 148.87 | -236.40 | 385.27 |
| 90 | 641.08 | 20.17 | -348.27 | 368.45 |
| 91 | 647.14 | 1.43 | -0.03 | 1.46 |

C152 (LC3) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.82 | 54.88 | 61.51 |
| 53 | 409.40 | 43.33 | 49.96 |
| 54 | 414.98 | 32.04 | 38.67 |
| 55 | 420.56 | 26.14 | 40.37 |
| 56 | 426.14 | -26.95 | 44.13 |
| 57 | 431.72 | -36.93 | 45.39 |
| 58 | 437.30 | -44.09 | 45.94 |
| 59 | 442.88 | -54.28 | 56.13 |
| 60 | 448.46L | -62.99 | 64.85 |
| 60 | 448.46R | 70.97 | 77.16 |
| 61 | 455.32 | 62.09 | 68.28 |
| 62 | 462.18 | 48.41 | 54.59 |
| 63 | 469.04 | 43.39 | 50.03 |
| 64 | 475.90 | 31.62 | 49.07 |
| 65 | 482.76 | 26.82 | 51.55 |
| 66 | 489.62 | -26.48 | 44.02 |
| 67 | 496.48 | -38.85 | 44.69 |
| 68 | 503.34 | -46.55 | 49.79 |
| 69 | 510.20 | -60.12 | 63.36 |
| 70 | 517.06L | -69.46 | 72.70 |
| 70 | 517.06R | 72.34 | 76.29 |
| 71 | 523.99 | 63.87 | 67.82 |
| 72 | 530.93 | 51.69 | 55.64 |
| 73 | 537.87 | 43.44 | 49.33 |
| 74 | 544.81 | 34.14 | 51.66 |
| 75 | 551.75 | 28.70 | 48.39 |
| 76 | 558.68 | -29.89 | 46.39 |
| 77 | 565.62 | -40.66 | 46.61 |
| 78 | 572.56 | -49.50 | 54.48 |
| 79 | 579.50 | -63.23 | 68.20 |
| 80 | 586.44L | -72.83 | 77.81 |
| 80 | 586.44R | 66.45 | 73.89 |
| 81 | 591.88 | 60.38 | 67.82 |
| 82 | 597.33 | 51.78 | 59.22 |
| 83 | 602.78 | 46.70 | 54.14 |
| 84 | 608.23 | 37.58 | 46.61 |
| 85 | 613.67 | 31.12 | 51.74 |
| 86 | 619.12 | -28.43 | 45.70 |
| 87 | 624.57 | -32.43 | 44.59 |
| 88 | 630.02 | -41.52 | 48.11 |
| 89 | 635.46 | -48.60 | 55.19 |
| 90 | 640.91L | -60.55 | 67.14 |
| 90 | 640.91R | 69.68 | 76.42 |
| 91 | 647.03 | 63.69 | 69.58 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.82 | 97.11 | -12.32 | 109.44 |
| 53 | 409.40 | 339.85 | -53.01 | 392.85 |
| 54 | 414.98 | 476.15 | -93.69 | 569.84 |
| 55 | 420.56 | 469.98 | -136.57 | 606.55 |
| 56 | 426.14 | 475.31 | -181.30 | 656.61 |
| 57 | 431.72 | 424.64 | -226.02 | 650.66 |
| 58 | 437.30 | 239.29 | -276.58 | 515.88 |

C152 (LC3) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 75.54 | -328.97 | 404.51 |
| 60 | 448.46 | 86.74 | -530.64 | 617.38 |
| 61 | 455.32 | 61.29 | -226.07 | 287.37 |
| 62 | 462.18 | 362.24 | -160.86 | 523.11 |
| 63 | 469.04 | 538.27 | -128.30 | 666.57 |
| 64 | 475.90 | 637.67 | -100.22 | 737.89 |
| 65 | 482.76 | 628.85 | -138.80 | 767.65 |
| 66 | 489.62 | 648.87 | -192.47 | 841.34 |
| 67 | 496.48 | 562.54 | -246.15 | 808.69 |
| 68 | 503.34 | 356.92 | -306.11 | 663.04 |
| 69 | 510.20 | 81.40 | -372.30 | 453.70 |
| 70 | 517.06 | 54.29 | -584.78 | 639.07 |
| 71 | 523.99 | 35.75 | -273.13 | 308.88 |
| 72 | 530.93 | 338.30 | -225.79 | 564.08 |
| 73 | 537.87 | 532.18 | -181.77 | 713.95 |
| 74 | 544.81 | 633.76 | -140.86 | 774.61 |
| 75 | 551.75 | 638.62 | -99.93 | 738.56 |
| 76 | 558.68 | 639.66 | -109.14 | 748.80 |
| 77 | 565.62 | 530.45 | -139.55 | 670.00 |
| 78 | 572.56 | 301.03 | -174.06 | 475.09 |
| 79 | 579.50 | 62.95 | -272.18 | 335.13 |
| 80 | 586.44 | 82.98 | -601.29 | 684.27 |
| 81 | 591.88 | 73.84 | -390.06 | 463.91 |
| 82 | 597.33 | 291.93 | -337.23 | 629.16 |
| 83 | 602.78 | 429.29 | -284.39 | 713.68 |
| 84 | 608.23 | 474.15 | -238.02 | 712.18 |
| 85 | 613.67 | 507.47 | -195.95 | 703.42 |
| 86 | 619.12 | 545.19 | -178.99 | 724.18 |
| 87 | 624.57 | 507.05 | -223.76 | 730.81 |
| 88 | 630.02 | 388.99 | -274.66 | 663.65 |
| 89 | 635.46 | 218.60 | -325.57 | 544.17 |
| 90 | 640.91 | 44.70 | -380.57 | 425.27 |
| 91 | 647.03 | 5.47 | -0.57 | 6.04 |

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 51.61 | 57.97 |
| 53 | 409.37 | 39.73 | 46.09 |
| 54 | 414.96 | 29.13 | 35.48 |
| 55 | 420.54 | 23.46 | 38.50 |
| 56 | 426.13 | -27.42 | 41.92 |
| 57 | 431.71 | -36.43 | 47.20 |
| 58 | 437.30 | -44.85 | 48.12 |
| 59 | 442.88 | -52.07 | 53.71 |
| 60 | 448.46L | -61.63 | 63.27 |
| 60 | 448.46R | 70.33 | 75.82 |
| 61 | 455.32 | 61.42 | 66.91 |
| 62 | 462.18 | 49.57 | 55.06 |
| 63 | 469.04 | 41.20 | 47.43 |
| 64 | 475.89 | 33.48 | 49.56 |
| 65 | 482.75 | 25.54 | 43.53 |
| 66 | 489.61 | -28.65 | 44.53 |
| 67 | 496.47 | -36.90 | 42.14 |
| 68 | 503.32 | -44.17 | 47.43 |
| 69 | 510.18 | -56.04 | 59.30 |
| 70 | 517.04L | -69.44 | 72.70 |
| 70 | 517.04R | 69.98 | 73.85 |
| 71 | 523.88 | 60.37 | 64.23 |
| 72 | 530.72 | 47.76 | 51.62 |
| 73 | 537.56 | 40.37 | 45.09 |
| 74 | 544.40 | 30.56 | 45.43 |
| 75 | 551.24 | -26.20 | 49.57 |
| 76 | 558.08 | -26.20 | 40.69 |
| 77 | 564.92 | -36.77 | 42.08 |
| 78 | 571.76 | -43.65 | 48.15 |
| 79 | 578.60 | -56.66 | 61.16 |
| 80 | 585.43L | -69.35 | 73.85 |
| 80 | 585.43R | 64.16 | 70.72 |
| 81 | 591.02 | 59.78 | 66.34 |
| 82 | 596.60 | 52.02 | 58.57 |
| 83 | 602.19 | 42.42 | 48.97 |
| 84 | 607.77 | 39.72 | 49.24 |
| 85 | 613.35 | 27.58 | 47.92 |
| 86 | 618.94 | -27.90 | 43.12 |
| 87 | 624.52 | -30.49 | 45.62 |
| 88 | 630.10 | -39.63 | 44.42 |
| 89 | 635.69 | -47.66 | 52.30 |
| 90 | 641.27L | -57.56 | 62.20 |
| 90 | 641.27R | 66.37 | 72.35 |
| 91 | 647.26 | 59.17 | 65.15 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.77 | -11.62 | 107.40 |
| 53 | 409.37 | 339.46 | -50.60 | 390.06 |
| 54 | 414.96 | 476.45 | -89.58 | 566.04 |
| 55 | 420.54 | 470.51 | -130.60 | 601.11 |
| 56 | 426.13 | 476.13 | -173.43 | 649.56 |
| 57 | 431.71 | 425.24 | -216.25 | 641.49 |
| 58 | 437.30 | 244.45 | -265.00 | 509.45 |

C152 (LC4) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 73.82 | -315.50 | 389.32 |
| 60 | 448.46 | 76.10 | -533.43 | 609.52 |
| 61 | 455.32 | 68.12 | -235.14 | 303.26 |
| 62 | 462.18 | 365.21 | -159.33 | 524.54 |
| 63 | 469.04 | 526.60 | -126.97 | 653.57 |
| 64 | 475.89 | 621.18 | -99.04 | 720.23 |
| 65 | 482.75 | 614.72 | -121.98 | 736.70 |
| 66 | 489.61 | 631.55 | -168.86 | 800.41 |
| 67 | 496.47 | 546.31 | -215.75 | 762.07 |
| 68 | 503.32 | 349.56 | -268.08 | 617.64 |
| 69 | 510.18 | 86.82 | -325.80 | 412.62 |
| 70 | 517.04 | 50.71 | -572.74 | 623.45 |
| 71 | 523.88 | 38.02 | -267.73 | 305.75 |
| 72 | 530.72 | 330.95 | -218.30 | 549.25 |
| 73 | 537.56 | 503.94 | -174.14 | 678.08 |
| 74 | 544.40 | 594.68 | -135.20 | 729.87 |
| 75 | 551.24 | 595.74 | -96.26 | 692.00 |
| 76 | 558.08 | 609.72 | -109.75 | 719.47 |
| 77 | 564.92 | 515.19 | -140.98 | 656.17 |
| 78 | 571.76 | 316.94 | -177.83 | 494.77 |
| 79 | 578.60 | 58.23 | -256.31 | 314.54 |
| 80 | 585.43 | 68.43 | -559.70 | 628.13 |
| 81 | 591.02 | 59.39 | -304.11 | 363.50 |
| 82 | 596.60 | 279.59 | -258.81 | 538.40 |
| 83 | 602.19 | 407.75 | -213.51 | 621.27 |
| 84 | 607.77 | 457.17 | -177.65 | 634.82 |
| 85 | 613.35 | 502.46 | -145.18 | 647.64 |
| 86 | 618.94 | 529.65 | -155.80 | 685.45 |
| 87 | 624.52 | 486.75 | -199.77 | 686.52 |
| 88 | 630.10 | 377.66 | -249.99 | 627.65 |
| 89 | 635.69 | 224.13 | -300.21 | 524.34 |
| 90 | 641.27 | 37.85 | -356.17 | 394.03 |
| 91 | 647.26 | 2.13 | -0.53 | 2.66 |

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 50.75 | 54.05 |
| 53 | 409.38 | 36.82 | 40.11 |
| 54 | 414.97 | 24.61 | 33.15 |
| 55 | 420.55 | 25.44 | 39.41 |
| 56 | 426.13 | -26.81 | 42.16 |
| 57 | 431.72 | -36.35 | 47.66 |
| 58 | 437.30 | -40.51 | 47.06 |
| 59 | 442.88 | -49.83 | 50.86 |
| 60 | 448.46L | -61.04 | 62.06 |
| 60 | 448.46R | 64.31 | 66.84 |
| 61 | 455.32 | 53.69 | 56.22 |
| 62 | 462.18 | 43.63 | 51.66 |
| 63 | 469.04 | 38.61 | 46.23 |
| 64 | 475.89 | 29.52 | 49.58 |
| 65 | 482.75 | -29.39 | 57.62 |
| 66 | 489.61 | -25.84 | 46.17 |
| 67 | 496.47 | -35.09 | 45.01 |
| 68 | 503.32 | -37.33 | 40.26 |
| 69 | 510.18 | -48.95 | 50.46 |
| 70 | 517.04L | -64.32 | 65.83 |
| 70 | 517.04R | 65.40 | 67.16 |
| 71 | 523.93 | 54.46 | 56.22 |
| 72 | 530.82 | 42.03 | 46.07 |
| 73 | 537.70 | 37.97 | 44.56 |
| 74 | 544.59 | 26.85 | 45.67 |
| 75 | 551.48 | -28.36 | 45.30 |
| 76 | 558.37 | -23.40 | 41.94 |
| 77 | 565.26 | -34.51 | 41.17 |
| 78 | 572.14 | -37.66 | 42.69 |
| 79 | 579.03 | -50.00 | 52.23 |
| 80 | 585.92L | -65.66 | 67.88 |
| 80 | 585.92R | 61.99 | 65.80 |
| 81 | 591.44 | 58.54 | 62.34 |
| 82 | 596.95 | 48.69 | 52.90 |
| 83 | 602.47 | 37.38 | 44.53 |
| 84 | 607.98 | 39.46 | 49.79 |
| 85 | 613.50 | 25.84 | 46.86 |
| 86 | 619.02 | -28.96 | 42.28 |
| 87 | 624.53 | -27.78 | 46.20 |
| 88 | 630.05 | -36.10 | 42.17 |
| 89 | 635.57 | -47.87 | 50.94 |
| 90 | 641.08L | -57.83 | 60.90 |
| 90 | 641.08R | 59.49 | 62.51 |
| 91 | 647.14 | 56.80 | 59.35 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 96.29 | -6.03 | 102.32 |
| 53 | 409.38 | 323.29 | -26.10 | 349.39 |
| 54 | 414.97 | 439.57 | -46.17 | 485.74 |
| 55 | 420.55 | 406.64 | -72.06 | 478.70 |
| 56 | 426.13 | 417.64 | -103.01 | 520.65 |
| 57 | 431.72 | 368.74 | -133.96 | 502.69 |
| 58 | 437.30 | 214.90 | -182.27 | 397.16 |

C152 (LC4) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 67.73 | -235.83 | 303.56 |
| 60 | 448.46 | 41.87 | -464.82 | 506.69 |
| 61 | 455.32 | 80.96 | -214.95 | 295.91 |
| 62 | 462.18 | 306.85 | -120.93 | 427.77 |
| 63 | 469.04 | 411.33 | -81.74 | 493.07 |
| 64 | 475.89 | 485.68 | -56.09 | 541.77 |
| 65 | 482.75 | 457.78 | -55.71 | 513.49 |
| 66 | 489.61 | 489.68 | -92.82 | 582.50 |
| 67 | 496.47 | 419.33 | -130.10 | 549.42 |
| 68 | 503.32 | 270.21 | -183.56 | 453.77 |
| 69 | 510.18 | 72.17 | -252.95 | 325.13 |
| 70 | 517.04 | 28.62 | -502.57 | 531.19 |
| 71 | 523.93 | 54.02 | -218.62 | 272.65 |
| 72 | 530.82 | 280.90 | -153.95 | 434.85 |
| 73 | 537.70 | 402.80 | -107.70 | 510.51 |
| 74 | 544.59 | 475.06 | -75.31 | 550.37 |
| 75 | 551.48 | 457.41 | -42.84 | 500.26 |
| 76 | 558.37 | 481.09 | -58.24 | 539.32 |
| 77 | 565.26 | 399.97 | -83.90 | 483.88 |
| 78 | 572.14 | 240.00 | -123.11 | 363.11 |
| 79 | 579.03 | 37.27 | -241.89 | 279.16 |
| 80 | 585.92 | 45.86 | -511.70 | 557.56 |
| 81 | 591.44 | 61.35 | -280.55 | 341.89 |
| 82 | 596.95 | 258.43 | -216.98 | 475.41 |
| 83 | 602.47 | 362.45 | -162.42 | 524.87 |
| 84 | 607.98 | 400.34 | -125.34 | 525.67 |
| 85 | 613.50 | 425.76 | -97.05 | 522.80 |
| 86 | 619.02 | 431.56 | -96.25 | 527.81 |
| 87 | 624.53 | 380.04 | -131.57 | 511.61 |
| 88 | 630.05 | 295.94 | -183.25 | 479.19 |
| 89 | 635.57 | 153.84 | -234.93 | 388.77 |
| 90 | 641.08 | 19.24 | -345.01 | 364.25 |
| 91 | 647.14 | 1.43 | -0.03 | 1.46 |

C152 (LC4) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 51.54 | 57.92 |
| 53 | 409.40 | 39.64 | 46.02 |
| 54 | 414.98 | 29.06 | 35.44 |
| 55 | 420.56 | 23.46 | 38.54 |
| 56 | 426.14 | -27.44 | 41.93 |
| 57 | 431.72 | -36.43 | 47.19 |
| 58 | 437.30 | -44.88 | 48.11 |
| 59 | 442.88 | -52.10 | 53.89 |
| 60 | 448.46L | -61.66 | 63.46 |
| 60 | 448.46R | 70.45 | 76.42 |
| 61 | 455.32 | 61.52 | 67.49 |
| 62 | 462.18 | 49.60 | 55.58 |
| 63 | 469.04 | 41.27 | 47.49 |
| 64 | 475.90 | 33.57 | 49.62 |
| 65 | 482.76 | 25.43 | 48.62 |
| 66 | 489.62 | -28.53 | 44.57 |
| 67 | 496.48 | -37.02 | 41.61 |
| 68 | 503.34 | -44.43 | 47.67 |
| 69 | 510.20 | -55.83 | 59.07 |
| 70 | 517.06L | -69.31 | 72.54 |
| 70 | 517.06R | 72.66 | 76.42 |
| 71 | 523.99 | 63.33 | 67.10 |
| 72 | 530.93 | 50.52 | 54.29 |
| 73 | 537.87 | 42.43 | 47.30 |
| 74 | 544.81 | 31.83 | 46.67 |
| 75 | 551.75 | 26.41 | 44.30 |
| 76 | 558.68 | -27.15 | 41.30 |
| 77 | 565.62 | -42.81 | 48.22 |
| 78 | 572.56 | -51.47 | 56.26 |
| 79 | 579.50 | -65.63 | 70.43 |
| 80 | 586.44L | -73.43 | 78.22 |
| 80 | 586.44R | 64.35 | 71.64 |
| 81 | 591.88 | 61.32 | 68.60 |
| 82 | 597.33 | 54.25 | 61.54 |
| 83 | 602.78 | 44.25 | 51.54 |
| 84 | 608.23 | 40.92 | 51.78 |
| 85 | 613.67 | 28.27 | 49.96 |
| 86 | 619.12 | -28.66 | 49.79 |
| 87 | 624.57 | -32.05 | 44.51 |
| 88 | 630.02 | -40.83 | 47.19 |
| 89 | 635.46 | -51.39 | 57.74 |
| 90 | 640.91L | -59.23 | 65.58 |
| 90 | 640.91R | 69.05 | 75.55 |
| 91 | 647.03 | 64.53 | 70.20 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 97.14 | -11.86 | 109.00 |
| 53 | 409.40 | 340.03 | -51.01 | 391.04 |
| 54 | 414.98 | 476.48 | -90.16 | 566.64 |
| 55 | 420.56 | 470.61 | -131.44 | 602.05 |
| 56 | 426.14 | 476.24 | -174.52 | 650.76 |
| 57 | 431.72 | 425.77 | -217.60 | 643.37 |
| 58 | 437.30 | 244.74 | -266.36 | 511.10 |

C152 (LC4) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 74.12 | -316.89 | 391.01 |
| 60 | 448.46 | 83.35 | -534.23 | 617.59 |
| 61 | 455.32 | 67.46 | -235.57 | 303.03 |
| 62 | 462.18 | 365.36 | -159.38 | 524.75 |
| 63 | 469.04 | 527.69 | -127.09 | 654.79 |
| 64 | 475.90 | 622.57 | -99.27 | 721.84 |
| 65 | 482.76 | 617.00 | -133.29 | 750.29 |
| 66 | 489.62 | 635.31 | -184.94 | 820.25 |
| 67 | 496.48 | 551.50 | -236.60 | 788.09 |
| 68 | 503.34 | 355.67 | -294.36 | 650.04 |
| 69 | 510.20 | 94.15 | -358.19 | 452.35 |
| 70 | 517.06 | 50.95 | -592.36 | 643.31 |
| 71 | 523.99 | 35.41 | -262.91 | 298.32 |
| 72 | 530.93 | 337.16 | -217.24 | 554.40 |
| 73 | 537.87 | 524.51 | -174.83 | 699.34 |
| 74 | 544.81 | 620.60 | -135.44 | 756.04 |
| 75 | 551.75 | 625.93 | -96.04 | 721.97 |
| 76 | 558.68 | 627.72 | -102.39 | 730.12 |
| 77 | 565.62 | 520.12 | -131.02 | 651.14 |
| 78 | 572.56 | 298.22 | -163.58 | 461.80 |
| 79 | 579.50 | 60.84 | -281.36 | 342.20 |
| 80 | 586.44 | 79.80 | -609.22 | 689.02 |
| 81 | 591.88 | 71.02 | -375.58 | 446.60 |
| 82 | 597.33 | 288.49 | -324.64 | 613.13 |
| 83 | 602.78 | 418.57 | -273.70 | 692.27 |
| 84 | 608.23 | 462.23 | -229.03 | 691.26 |
| 85 | 613.67 | 494.22 | -188.52 | 682.74 |
| 86 | 619.12 | 532.39 | -172.97 | 705.37 |
| 87 | 624.57 | 494.05 | -216.26 | 710.31 |
| 88 | 630.02 | 380.36 | -265.53 | 645.89 |
| 89 | 635.46 | 207.39 | -314.80 | 522.19 |
| 90 | 640.91 | 42.55 | -370.33 | 412.88 |
| 91 | 647.03 | 5.37 | -0.54 | 5.92 |

C152 (LC5) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 53.36 | 59.49 |
| 53 | 409.37 | 36.39 | 42.52 |
| 54 | 414.96 | 26.63 | 34.26 |
| 55 | 420.54 | 21.19 | 37.13 |
| 56 | 426.13 | -30.92 | 43.69 |
| 57 | 431.71 | -37.83 | 46.20 |
| 58 | 437.30 | -44.15 | 45.85 |
| 59 | 442.88 | -55.28 | 56.87 |
| 60 | 448.46L | -62.49 | 64.09 |
| 60 | 448.46R | 68.36 | 73.70 |
| 61 | 455.32 | 59.27 | 64.60 |
| 62 | 462.18 | 47.38 | 52.71 |
| 63 | 469.04 | 42.63 | 50.06 |
| 64 | 475.89 | 31.39 | 46.21 |
| 65 | 482.75 | 27.23 | 47.08 |
| 66 | 489.61 | -27.01 | 45.76 |
| 67 | 496.47 | -39.03 | 46.21 |
| 68 | 503.32 | -45.35 | 48.56 |
| 69 | 510.18 | -58.44 | 61.65 |
| 70 | 517.04L | -67.18 | 70.39 |
| 70 | 517.04R | 68.06 | 71.75 |
| 71 | 523.88 | 58.09 | 61.78 |
| 72 | 530.72 | 49.96 | 53.65 |
| 73 | 537.56 | 42.61 | 48.45 |
| 74 | 544.40 | 33.56 | 51.17 |
| 75 | 551.24 | -28.37 | 54.19 |
| 76 | 558.08 | -28.37 | 46.25 |
| 77 | 564.92 | -38.78 | 45.38 |
| 78 | 571.76 | -45.54 | 49.90 |
| 79 | 578.60 | -59.12 | 63.48 |
| 80 | 585.43L | -67.67 | 72.03 |
| 80 | 585.43R | 63.63 | 69.99 |
| 81 | 591.02 | 58.08 | 64.43 |
| 82 | 596.60 | 49.60 | 55.96 |
| 83 | 602.19 | 44.93 | 51.29 |
| 84 | 607.77 | 37.02 | 48.32 |
| 85 | 613.35 | 30.99 | 52.26 |
| 86 | 618.94 | -27.72 | 46.18 |
| 87 | 624.52 | -30.06 | 43.40 |
| 88 | 630.10 | -38.72 | 43.19 |
| 89 | 635.69 | -50.34 | 54.82 |
| 90 | 641.27L | -57.66 | 62.13 |
| 90 | 641.27R | 65.21 | 71.00 |
| 91 | 647.26 | 58.40 | 64.20 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.80 | -11.15 | 106.96 |
| 53 | 409.37 | 339.59 | -48.56 | 388.15 |
| 54 | 414.96 | 476.70 | -85.96 | 562.66 |
| 55 | 420.54 | 471.07 | -125.34 | 596.41 |
| 56 | 426.13 | 476.86 | -166.48 | 643.34 |
| 57 | 431.71 | 426.35 | -207.62 | 633.96 |
| 58 | 437.30 | 238.00 | -254.51 | 492.52 |

C152 (LC5) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 68.68 | -303.11 | 371.79 |
| 60 | 448.46 | 73.23 | -536.35 | 609.58 |
| 61 | 455.32 | 74.76 | -242.59 | 317.35 |
| 62 | 462.18 | 355.83 | -157.88 | 513.71 |
| 63 | 469.04 | 517.44 | -125.79 | 643.23 |
| 64 | 475.89 | 607.23 | -98.11 | 705.34 |
| 65 | 482.75 | 604.29 | -117.47 | 721.76 |
| 66 | 489.61 | 619.28 | -162.51 | 781.79 |
| 67 | 496.47 | 536.80 | -207.55 | 744.35 |
| 68 | 503.32 | 340.11 | -257.74 | 597.85 |
| 69 | 510.18 | 83.38 | -313.03 | 396.40 |
| 70 | 517.04 | 48.20 | -576.90 | 625.11 |
| 71 | 523.88 | 44.54 | -257.16 | 301.70 |
| 72 | 530.72 | 322.82 | -209.59 | 532.40 |
| 73 | 537.56 | 496.56 | -167.11 | 663.67 |
| 74 | 544.40 | 582.29 | -129.70 | 711.99 |
| 75 | 551.24 | 584.82 | -92.30 | 677.13 |
| 76 | 558.08 | 599.03 | -104.32 | 703.36 |
| 77 | 564.92 | 508.74 | -134.12 | 642.86 |
| 78 | 571.76 | 308.02 | -169.38 | 477.40 |
| 79 | 578.60 | 55.83 | -264.65 | 320.48 |
| 80 | 585.43 | 65.61 | -565.15 | 630.77 |
| 81 | 591.02 | 59.60 | -302.76 | 362.35 |
| 82 | 596.60 | 275.87 | -248.53 | 524.40 |
| 83 | 602.19 | 398.72 | -204.94 | 603.66 |
| 84 | 607.77 | 446.81 | -170.48 | 617.29 |
| 85 | 613.35 | 493.89 | -139.29 | 633.19 |
| 86 | 618.94 | 520.40 | -149.38 | 669.78 |
| 87 | 624.52 | 476.48 | -191.57 | 668.05 |
| 88 | 630.10 | 366.66 | -239.78 | 606.44 |
| 89 | 635.69 | 211.83 | -287.99 | 499.81 |
| 90 | 641.27 | 36.15 | -355.14 | 391.29 |
| 91 | 647.26 | 2.12 | -0.51 | 2.63 |

C152 (LC5) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 54.00 | 57.19 |
| 53 | 409.38 | 33.17 | 36.35 |
| 54 | 414.97 | 23.48 | 34.20 |
| 55 | 420.55 | 24.94 | 40.28 |
| 56 | 426.13 | -31.53 | 47.01 |
| 57 | 431.72 | -39.28 | 47.98 |
| 58 | 437.30 | -39.76 | 44.07 |
| 59 | 442.88 | -49.89 | 50.89 |
| 60 | 448.46L | -62.40 | 63.40 |
| 60 | 448.46R | 62.50 | 64.94 |
| 61 | 455.32 | 52.66 | 55.10 |
| 62 | 462.18 | 40.71 | 47.81 |
| 63 | 469.04 | 40.33 | 49.34 |
| 64 | 475.89 | 27.09 | 45.55 |
| 65 | 482.75 | -32.39 | 63.67 |
| 66 | 489.61 | -24.27 | 47.17 |
| 67 | 496.47 | -37.71 | 48.05 |
| 68 | 503.32 | -37.02 | 43.01 |
| 69 | 510.18 | -52.29 | 53.77 |
| 70 | 517.04L | -62.24 | 63.72 |
| 70 | 517.04R | 62.86 | 64.54 |
| 71 | 523.93 | 54.56 | 56.23 |
| 72 | 530.82 | 44.63 | 51.40 |
| 73 | 537.70 | 40.56 | 48.45 |
| 74 | 544.59 | 30.14 | 52.31 |
| 75 | 551.48 | -30.72 | 49.25 |
| 76 | 558.37 | -25.72 | 48.04 |
| 77 | 565.26 | -37.17 | 46.41 |
| 78 | 572.14 | -37.83 | 42.90 |
| 79 | 579.03 | -53.29 | 55.44 |
| 80 | 585.92L | -63.29 | 65.45 |
| 80 | 585.92R | 62.93 | 66.56 |
| 81 | 591.44 | 56.22 | 59.85 |
| 82 | 596.95 | 45.67 | 49.30 |
| 83 | 602.47 | 40.20 | 49.10 |
| 84 | 607.98 | 36.33 | 48.00 |
| 85 | 613.50 | 29.61 | 51.22 |
| 86 | 619.02 | -30.27 | 46.35 |
| 87 | 624.53 | -27.23 | 45.10 |
| 88 | 630.05 | -36.73 | 46.04 |
| 89 | 635.57 | -44.20 | 47.17 |
| 90 | 641.08L | -57.33 | 60.29 |
| 90 | 641.08R | 58.81 | 61.73 |
| 91 | 647.14 | 58.29 | 60.76 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 96.30 | -5.80 | 102.10 |
| 53 | 409.38 | 323.34 | -25.10 | 348.44 |
| 54 | 414.97 | 439.70 | -44.39 | 484.09 |
| 55 | 420.55 | 407.28 | -69.38 | 476.67 |
| 56 | 426.13 | 418.89 | -99.32 | 518.20 |
| 57 | 431.72 | 369.87 | -129.25 | 499.12 |
| 58 | 437.30 | 210.55 | -176.16 | 386.70 |

C152 (LC5) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 60.41 | -235.53 | 295.93 |
| 60 | 448.46 | 40.43 | -463.32 | 503.75 |
| 61 | 455.32 | 86.51 | -221.26 | 307.77 |
| 62 | 462.18 | 299.23 | -120.19 | 419.41 |
| 63 | 469.04 | 408.14 | -81.17 | 489.31 |
| 64 | 475.89 | 479.98 | -55.66 | 535.64 |
| 65 | 482.75 | 453.33 | -53.59 | 506.92 |
| 66 | 489.61 | 484.82 | -89.61 | 574.43 |
| 67 | 496.47 | 415.75 | -125.65 | 541.40 |
| 68 | 503.32 | 263.87 | -176.95 | 440.82 |
| 69 | 510.18 | 67.73 | -247.29 | 315.03 |
| 70 | 517.04 | 26.82 | -503.20 | 530.02 |
| 71 | 523.93 | 58.44 | -229.15 | 287.59 |
| 72 | 530.82 | 275.97 | -148.63 | 424.60 |
| 73 | 537.70 | 400.46 | -103.76 | 504.21 |
| 74 | 544.59 | 469.94 | -72.42 | 542.36 |
| 75 | 551.48 | 452.73 | -41.01 | 493.74 |
| 76 | 558.37 | 476.73 | -54.52 | 531.25 |
| 77 | 565.26 | 397.95 | -78.72 | 476.67 |
| 78 | 572.14 | 235.60 | -115.88 | 351.49 |
| 79 | 579.03 | 35.64 | -247.46 | 283.10 |
| 80 | 585.92 | 43.88 | -515.10 | 558.98 |
| 81 | 591.44 | 68.87 | -288.76 | 357.64 |
| 82 | 596.95 | 259.83 | -209.48 | 469.32 |
| 83 | 602.47 | 356.19 | -156.59 | 512.78 |
| 84 | 607.98 | 395.59 | -120.69 | 516.28 |
| 85 | 613.50 | 425.64 | -93.36 | 519.01 |
| 86 | 619.02 | 425.86 | -92.02 | 517.88 |
| 87 | 624.53 | 374.93 | -125.89 | 500.82 |
| 88 | 630.05 | 284.53 | -175.52 | 460.05 |
| 89 | 635.57 | 153.47 | -225.15 | 378.61 |
| 90 | 641.08 | 18.55 | -340.94 | 359.49 |
| 91 | 647.14 | 1.42 | -0.03 | 1.46 |

C152 (LC5) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 53.34 | 59.50 |
| 53 | 409.40 | 36.30 | 42.45 |
| 54 | 414.98 | 26.58 | 34.24 |
| 55 | 420.56 | 21.21 | 37.19 |
| 56 | 426.14 | -30.96 | 43.71 |
| 57 | 431.72 | -37.83 | 46.19 |
| 58 | 437.30 | -44.18 | 45.91 |
| 59 | 442.88 | -52.88 | 54.61 |
| 60 | 448.46L | -62.53 | 64.26 |
| 60 | 448.46R | 68.45 | 74.23 |
| 61 | 455.32 | 59.36 | 65.15 |
| 62 | 462.18 | 47.42 | 53.20 |
| 63 | 469.04 | 42.69 | 50.11 |
| 64 | 475.90 | 31.48 | 46.27 |
| 65 | 482.76 | 27.36 | 52.85 |
| 66 | 489.62 | -26.90 | 45.81 |
| 67 | 496.48 | -38.87 | 46.21 |
| 68 | 503.34 | -45.15 | 48.33 |
| 69 | 510.20 | -58.25 | 61.42 |
| 70 | 517.06L | -67.01 | 70.19 |
| 70 | 517.06R | 69.59 | 73.20 |
| 71 | 523.99 | 61.09 | 64.70 |
| 72 | 530.93 | 51.71 | 55.32 |
| 73 | 537.87 | 43.75 | 49.77 |
| 74 | 544.81 | 34.85 | 52.37 |
| 75 | 551.75 | 29.67 | 49.06 |
| 76 | 558.68 | -29.33 | 47.48 |
| 77 | 565.62 | -39.69 | 46.31 |
| 78 | 572.56 | -47.79 | 52.43 |
| 79 | 579.50 | -61.08 | 65.72 |
| 80 | 586.44L | -70.14 | 74.78 |
| 80 | 586.44R | 64.31 | 71.39 |
| 81 | 591.88 | 60.16 | 67.25 |
| 82 | 597.33 | 51.86 | 58.95 |
| 83 | 602.78 | 47.01 | 54.10 |
| 84 | 608.23 | 38.26 | 50.89 |
| 85 | 613.67 | 32.06 | 54.52 |
| 86 | 619.12 | -28.41 | 46.95 |
| 87 | 624.57 | -31.65 | 46.82 |
| 88 | 630.02 | -40.05 | 46.19 |
| 89 | 635.46 | -47.82 | 53.96 |
| 90 | 640.91L | -58.14 | 64.27 |
| 90 | 640.91R | 66.37 | 72.64 |
| 91 | 647.03 | 61.29 | 66.76 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 97.17 | -11.38 | 108.55 |
| 53 | 409.40 | 340.17 | -48.93 | 389.10 |
| 54 | 414.98 | 476.72 | -86.49 | 563.21 |
| 55 | 420.56 | 471.16 | -126.12 | 597.28 |
| 56 | 426.14 | 476.96 | -167.49 | 644.46 |
| 57 | 431.72 | 426.87 | -208.86 | 635.74 |
| 58 | 437.30 | 238.00 | -255.75 | 493.76 |

C152 (LC5) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 69.63 | -304.37 | 374.01 |
| 60 | 448.46 | 79.97 | -537.31 | 617.28 |
| 61 | 455.32 | 74.14 | -243.05 | 317.18 |
| 62 | 462.18 | 356.05 | -157.94 | 513.99 |
| 63 | 469.04 | 518.29 | -125.92 | 644.21 |
| 64 | 475.90 | 608.27 | -98.33 | 706.60 |
| 65 | 482.76 | 606.51 | -127.96 | 734.46 |
| 66 | 489.62 | 622.91 | -177.44 | 800.35 |
| 67 | 496.48 | 541.71 | -226.93 | 768.63 |
| 68 | 503.34 | 346.08 | -282.20 | 628.28 |
| 69 | 510.20 | 90.39 | -343.22 | 433.61 |
| 70 | 517.06 | 47.12 | -596.99 | 644.11 |
| 71 | 523.99 | 35.08 | -263.09 | 298.17 |
| 72 | 530.93 | 331.78 | -208.55 | 540.33 |
| 73 | 537.87 | 517.32 | -167.76 | 685.08 |
| 74 | 544.81 | 608.01 | -129.92 | 737.93 |
| 75 | 551.75 | 614.72 | -92.08 | 706.79 |
| 76 | 558.68 | 616.93 | -94.61 | 711.54 |
| 77 | 565.62 | 513.37 | -121.20 | 634.57 |
| 78 | 572.56 | 293.94 | -151.60 | 445.55 |
| 79 | 579.50 | 59.26 | -290.40 | 349.66 |
| 80 | 586.44 | 76.57 | -616.29 | 692.86 |
| 81 | 591.88 | 77.88 | -360.36 | 438.24 |
| 82 | 597.33 | 289.02 | -311.40 | 600.43 |
| 83 | 602.78 | 403.94 | -262.45 | 666.39 |
| 84 | 608.23 | 453.68 | -219.56 | 673.24 |
| 85 | 613.67 | 486.46 | -180.70 | 667.16 |
| 86 | 619.12 | 520.60 | -168.48 | 689.09 |
| 87 | 624.57 | 482.73 | -210.68 | 693.41 |
| 88 | 630.02 | 369.24 | -258.75 | 627.99 |
| 89 | 635.46 | 207.00 | -306.83 | 513.83 |
| 90 | 640.91 | 40.64 | -369.21 | 409.85 |
| 91 | 647.03 | 5.37 | -0.52 | 5.89 |

C152 (LC6) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 55.85 | 61.77 |
| 53 | 409.37 | 44.45 | 50.37 |
| 54 | 414.96 | 33.16 | 41.18 |
| 55 | 420.54 | 26.92 | 43.19 |
| 56 | 426.13 | -28.13 | 46.20 |
| 57 | 431.71 | -36.70 | 46.64 |
| 58 | 437.30 | -44.95 | 48.64 |
| 59 | 442.88 | -51.84 | 53.38 |
| 60 | 448.46L | -61.15 | 62.68 |
| 60 | 448.46R | 67.63 | 72.75 |
| 61 | 455.32 | 59.24 | 64.36 |
| 62 | 462.18 | 48.54 | 54.14 |
| 63 | 469.04 | 40.50 | 47.56 |
| 64 | 475.89 | 33.14 | 50.32 |
| 65 | 482.75 | 28.93 | 47.72 |
| 66 | 489.61 | -29.09 | 45.54 |
| 67 | 496.47 | -37.32 | 42.84 |
| 68 | 503.32 | -44.18 | 47.37 |
| 69 | 510.18 | -54.24 | 57.43 |
| 70 | 517.04L | -66.83 | 70.02 |
| 70 | 517.04R | 67.28 | 70.79 |
| 71 | 523.88 | 58.22 | 61.73 |
| 72 | 530.72 | 47.78 | 51.29 |
| 73 | 537.56 | 40.68 | 45.60 |
| 74 | 544.40 | 31.27 | 46.15 |
| 75 | 551.24 | -25.82 | 50.09 |
| 76 | 558.08 | -25.82 | 41.40 |
| 77 | 564.92 | -37.14 | 43.22 |
| 78 | 571.76 | -43.52 | 47.76 |
| 79 | 578.60 | -54.75 | 58.99 |
| 80 | 585.43L | -66.68 | 70.92 |
| 80 | 585.43R | 61.73 | 67.99 |
| 81 | 591.02 | 59.49 | 65.75 |
| 82 | 596.60 | 51.96 | 58.22 |
| 83 | 602.19 | 42.60 | 48.85 |
| 84 | 607.77 | 39.98 | 52.92 |
| 85 | 613.35 | 28.26 | 49.91 |
| 86 | 618.94 | -27.44 | 43.63 |
| 87 | 624.52 | -29.74 | 44.69 |
| 88 | 630.10 | -38.98 | 45.06 |
| 89 | 635.69 | -46.88 | 51.20 |
| 90 | 641.27L | -55.93 | 60.25 |
| 90 | 641.27R | 63.16 | 68.75 |
| 91 | 647.26 | 56.77 | 62.36 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.83 | -10.74 | 106.57 |
| 53 | 409.37 | 339.73 | -46.76 | 386.49 |
| 54 | 414.96 | 476.94 | -82.78 | 559.72 |
| 55 | 420.54 | 471.61 | -120.74 | 592.35 |
| 56 | 426.13 | 477.58 | -160.40 | 637.98 |
| 57 | 431.71 | 427.28 | -200.06 | 627.34 |
| 58 | 437.30 | 242.01 | -245.34 | 487.36 |

C152 (LC6) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 74.73 | -292.28 | 367.01 |
| 60 | 448.46 | 70.82 | -539.94 | 610.76 |
| 61 | 455.32 | 81.31 | -250.72 | 332.03 |
| 62 | 462.18 | 360.04 | -156.63 | 516.67 |
| 63 | 469.04 | 509.46 | -124.77 | 634.22 |
| 64 | 475.89 | 593.57 | -97.30 | 690.87 |
| 65 | 482.75 | 596.16 | -113.53 | 709.69 |
| 66 | 489.61 | 608.68 | -157.15 | 765.83 |
| 67 | 496.47 | 529.34 | -200.76 | 730.10 |
| 68 | 503.32 | 342.45 | -249.41 | 591.87 |
| 69 | 510.18 | 96.63 | -303.06 | 399.69 |
| 70 | 517.04 | 44.07 | -581.25 | 625.32 |
| 71 | 523.88 | 49.88 | -265.34 | 315.22 |
| 72 | 530.72 | 323.59 | -202.02 | 525.61 |
| 73 | 537.56 | 489.20 | -161.01 | 650.21 |
| 74 | 544.40 | 571.51 | -124.93 | 696.44 |
| 75 | 551.24 | 576.86 | -88.86 | 665.72 |
| 76 | 558.08 | 588.29 | -95.38 | 683.67 |
| 77 | 564.92 | 502.44 | -122.74 | 625.19 |
| 78 | 571.76 | 309.75 | -155.27 | 465.02 |
| 79 | 578.60 | 61.33 | -273.25 | 334.58 |
| 80 | 585.43 | 64.68 | -567.42 | 632.10 |
| 81 | 591.02 | 64.84 | -312.81 | 377.65 |
| 82 | 596.60 | 274.57 | -240.15 | 514.72 |
| 83 | 602.19 | 393.61 | -197.94 | 591.55 |
| 84 | 607.77 | 442.66 | -164.62 | 607.28 |
| 85 | 613.35 | 488.74 | -134.48 | 623.23 |
| 86 | 618.94 | 512.20 | -147.22 | 659.41 |
| 87 | 624.52 | 468.82 | -188.86 | 657.68 |
| 88 | 630.10 | 361.90 | -236.49 | 598.39 |
| 89 | 635.69 | 205.93 | -284.11 | 490.04 |
| 90 | 641.27 | 34.61 | -353.92 | 388.53 |
| 91 | 647.26 | 2.12 | -0.49 | 2.61 |

C152 (LC6) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 55.98 | 59.05 |
| 53 | 409.38 | 42.09 | 45.16 |
| 54 | 414.97 | 29.00 | 38.66 |
| 55 | 420.55 | 29.36 | 44.29 |
| 56 | 426.13 | -27.26 | 46.52 |
| 57 | 431.72 | -35.86 | 46.15 |
| 58 | 437.30 | -40.42 | 46.83 |
| 59 | 442.88 | -48.76 | 49.73 |
| 60 | 448.46L | -60.39 | 61.36 |
| 60 | 448.46R | 62.52 | 64.88 |
| 61 | 455.32 | 52.81 | 55.17 |
| 62 | 462.18 | 42.16 | 52.18 |
| 63 | 469.04 | 37.66 | 46.16 |
| 64 | 475.89 | 28.99 | 50.44 |
| 65 | 482.75 | 30.81 | 61.51 |
| 66 | 489.61 | -26.56 | 46.87 |
| 67 | 496.47 | -35.65 | 45.68 |
| 68 | 503.32 | -37.18 | 40.85 |
| 69 | 510.18 | -48.00 | 49.48 |
| 70 | 517.04L | -62.57 | 64.05 |
| 70 | 517.04R | 63.55 | 65.18 |
| 71 | 523.93 | 54.11 | 55.74 |
| 72 | 530.82 | 41.85 | 46.56 |
| 73 | 537.70 | 38.17 | 44.99 |
| 74 | 544.59 | 27.48 | 46.43 |
| 75 | 551.48 | -28.31 | 44.80 |
| 76 | 558.37 | -23.24 | 42.61 |
| 77 | 565.26 | -34.29 | 41.75 |
| 78 | 572.14 | -37.50 | 44.04 |
| 79 | 579.03 | -48.83 | 50.93 |
| 80 | 585.92L | -63.80 | 65.90 |
| 80 | 585.92R | 61.38 | 65.03 |
| 81 | 591.44 | 58.09 | 61.74 |
| 82 | 596.95 | 48.46 | 53.45 |
| 83 | 602.47 | 37.47 | 46.15 |
| 84 | 607.98 | 39.65 | 52.46 |
| 85 | 613.50 | 26.51 | 48.37 |
| 86 | 619.02 | -28.52 | 48.61 |
| 87 | 624.53 | -26.67 | 44.32 |
| 88 | 630.05 | -35.44 | 42.57 |
| 89 | 635.57 | -47.32 | 50.18 |
| 90 | 641.08L | -56.83 | 59.69 |
| 90 | 641.08R | 57.42 | 60.25 |
| 91 | 647.14 | 55.56 | 57.94 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 96.30 | -5.60 | 101.90 |
| 53 | 409.38 | 323.38 | -24.23 | 347.61 |
| 54 | 414.97 | 439.81 | -42.85 | 482.67 |
| 55 | 420.55 | 407.88 | -67.07 | 474.95 |
| 56 | 426.13 | 419.82 | -96.14 | 515.96 |
| 57 | 431.72 | 370.75 | -125.20 | 495.96 |
| 58 | 437.30 | 208.49 | -170.93 | 379.42 |

C152 (LC6) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 68.70 | -239.25 | 307.95 |
| 60 | 448.46 | 39.19 | -463.13 | 502.32 |
| 61 | 455.32 | 92.35 | -226.69 | 319.04 |
| 62 | 462.18 | 307.63 | -119.56 | 427.20 |
| 63 | 469.04 | 405.79 | -80.68 | 486.47 |
| 64 | 475.89 | 474.64 | -55.28 | 529.92 |
| 65 | 482.75 | 449.87 | -51.75 | 501.62 |
| 66 | 489.61 | 480.92 | -86.85 | 567.77 |
| 67 | 496.47 | 413.83 | -121.98 | 535.80 |
| 68 | 503.32 | 270.55 | -172.10 | 442.65 |
| 69 | 510.18 | 83.34 | -255.94 | 339.27 |
| 70 | 517.04 | 25.71 | -503.75 | 529.45 |
| 71 | 523.93 | 66.06 | -234.58 | 300.64 |
| 72 | 530.82 | 281.11 | -144.09 | 425.20 |
| 73 | 537.70 | 398.28 | -100.37 | 498.65 |
| 74 | 544.59 | 465.93 | -69.92 | 535.86 |
| 75 | 551.48 | 448.92 | -39.40 | 488.32 |
| 76 | 558.37 | 472.56 | -52.21 | 524.78 |
| 77 | 565.26 | 396.55 | -75.67 | 472.22 |
| 78 | 572.14 | 240.97 | -112.02 | 353.00 |
| 79 | 579.03 | 42.82 | -254.51 | 297.33 |
| 80 | 585.92 | 43.76 | -515.38 | 559.13 |
| 81 | 591.44 | 73.64 | -293.59 | 367.24 |
| 82 | 596.95 | 261.07 | -203.51 | 464.58 |
| 83 | 602.47 | 358.25 | -151.87 | 510.12 |
| 84 | 607.98 | 393.47 | -116.91 | 510.38 |
| 85 | 613.50 | 428.52 | -90.36 | 518.88 |
| 86 | 619.02 | 421.22 | -91.65 | 512.87 |
| 87 | 624.53 | 371.24 | -125.52 | 496.76 |
| 88 | 630.05 | 288.58 | -175.27 | 463.85 |
| 89 | 635.57 | 145.82 | -225.01 | 370.83 |
| 90 | 641.08 | 17.73 | -336.22 | 353.95 |
| 91 | 647.14 | 1.42 | -0.03 | 1.45 |

C152 (LC6) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 55.79 | 61.71 |
| 53 | 409.40 | 44.37 | 50.29 |
| 54 | 414.98 | 33.07 | 41.13 |
| 55 | 420.56 | 26.91 | 43.24 |
| 56 | 426.14 | -28.15 | 46.22 |
| 57 | 431.72 | -36.71 | 46.62 |
| 58 | 437.30 | -44.99 | 48.63 |
| 59 | 442.88 | -51.88 | 53.55 |
| 60 | 448.46L | -61.19 | 62.86 |
| 60 | 448.46R | 67.74 | 73.31 |
| 61 | 455.32 | 59.32 | 64.90 |
| 62 | 462.18 | 48.57 | 54.18 |
| 63 | 469.04 | 40.57 | 47.62 |
| 64 | 475.90 | 33.22 | 50.37 |
| 65 | 482.76 | 29.31 | 53.51 |
| 66 | 489.62 | -28.97 | 45.59 |
| 67 | 496.48 | -37.45 | 42.91 |
| 68 | 503.34 | -44.46 | 47.62 |
| 69 | 510.20 | -54.04 | 57.20 |
| 70 | 517.06L | -66.72 | 69.88 |
| 70 | 517.06R | 69.94 | 73.50 |
| 71 | 523.99 | 61.18 | 64.74 |
| 72 | 530.93 | 49.64 | 53.19 |
| 73 | 537.87 | 41.84 | 46.90 |
| 74 | 544.81 | 32.54 | 47.39 |
| 75 | 551.75 | 27.38 | 45.83 |
| 76 | 558.68 | -26.76 | 42.54 |
| 77 | 565.62 | -38.51 | 44.71 |
| 78 | 572.56 | -49.75 | 54.27 |
| 79 | 579.50 | -63.48 | 68.01 |
| 80 | 586.44L | -70.74 | 75.26 |
| 80 | 586.44R | 63.49 | 70.61 |
| 81 | 591.88 | 61.16 | 68.27 |
| 82 | 597.33 | 54.28 | 61.40 |
| 83 | 602.78 | 44.57 | 51.68 |
| 84 | 608.23 | 41.36 | 55.39 |
| 85 | 613.67 | 29.20 | 52.07 |
| 86 | 619.12 | -28.12 | 50.93 |
| 87 | 624.57 | -31.64 | 44.07 |
| 88 | 630.02 | -40.37 | 46.28 |
| 89 | 635.46 | -50.25 | 56.16 |
| 90 | 640.91L | -58.35 | 64.27 |
| 90 | 640.91R | 66.98 | 73.05 |
| 91 | 647.03 | 63.81 | 69.10 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 97.19 | -10.95 | 108.15 |
| 53 | 409.40 | 340.30 | -47.11 | 387.41 |
| 54 | 414.98 | 476.95 | -83.26 | 560.22 |
| 55 | 420.56 | 471.70 | -121.44 | 593.14 |
| 56 | 426.14 | 477.68 | -161.31 | 638.99 |
| 57 | 431.72 | 427.80 | -201.19 | 628.99 |
| 58 | 437.30 | 242.32 | -246.45 | 488.77 |
| 59 | 442.88 | 74.48 | -293.39 | 367.87 |

C152 (LC6) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 77.35 | -540.91 | 618.26 |
| 61 | 455.32 | 80.75 | -251.20 | 331.95 |
| 62 | 462.18 | 360.16 | -156.70 | 516.86 |
| 63 | 469.04 | 510.17 | -124.90 | 635.07 |
| 64 | 475.90 | 594.11 | -97.52 | 691.63 |
| 65 | 482.76 | 598.32 | -123.70 | 722.02 |
| 66 | 489.62 | 612.21 | -171.62 | 783.83 |
| 67 | 496.48 | 534.09 | -219.54 | 753.63 |
| 68 | 503.34 | 348.07 | -273.13 | 621.19 |
| 69 | 510.20 | 103.15 | -332.32 | 435.47 |
| 70 | 517.06 | 46.59 | -602.95 | 649.55 |
| 71 | 523.99 | 41.13 | -270.36 | 311.49 |
| 72 | 530.93 | 331.64 | -201.01 | 532.65 |
| 73 | 537.87 | 510.19 | -161.62 | 671.81 |
| 74 | 544.81 | 597.22 | -125.12 | 722.34 |
| 75 | 551.75 | 605.37 | -88.62 | 693.99 |
| 76 | 558.68 | 606.09 | -93.62 | 699.71 |
| 77 | 565.62 | 507.69 | -119.82 | 627.51 |
| 78 | 572.56 | 294.13 | -149.67 | 443.80 |
| 79 | 579.50 | 58.68 | -299.25 | 357.93 |
| 80 | 586.44 | 73.77 | -619.61 | 693.37 |
| 81 | 591.88 | 86.61 | -357.58 | 444.19 |
| 82 | 597.33 | 284.27 | -300.36 | 584.63 |
| 83 | 602.78 | 401.28 | -253.04 | 654.32 |
| 84 | 608.23 | 453.29 | -211.63 | 664.92 |
| 85 | 613.67 | 491.08 | -174.15 | 665.23 |
| 86 | 619.12 | 511.63 | -166.82 | 678.45 |
| 87 | 624.57 | 474.35 | -208.64 | 682.98 |
| 88 | 630.02 | 360.31 | -256.34 | 616.65 |
| 89 | 635.46 | 198.79 | -304.04 | 502.83 |
| 90 | 640.91 | 38.85 | -367.88 | 406.74 |
| 91 | 647.03 | 5.37 | -0.50 | 5.87 |

C152 (LC7) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 53.14 | 58.91 |
| 53 | 409.37 | 41.39 | 47.17 |
| 54 | 414.96 | 30.35 | 39.08 |
| 55 | 420.54 | 24.65 | 41.35 |
| 56 | 426.13 | -28.34 | 44.19 |
| 57 | 431.71 | -37.35 | 45.42 |
| 58 | 437.30 | -44.32 | 46.98 |
| 59 | 442.88 | -52.68 | 54.18 |
| 60 | 448.46L | -62.13 | 63.63 |
| 60 | 448.46R | 65.67 | 70.65 |
| 61 | 455.32 | 57.40 | 62.39 |
| 62 | 462.18 | 46.66 | 51.65 |
| 63 | 469.04 | 42.01 | 50.08 |
| 64 | 475.89 | 35.14 | 50.73 |
| 65 | 482.75 | 27.75 | 48.12 |
| 66 | 489.61 | -27.20 | 47.37 |
| 67 | 496.47 | -38.71 | 48.01 |
| 68 | 503.32 | -43.94 | 47.13 |
| 69 | 510.18 | -56.29 | 59.48 |
| 70 | 517.04L | -64.58 | 67.77 |
| 70 | 517.04R | 65.39 | 68.85 |
| 71 | 523.88 | 57.41 | 60.87 |
| 72 | 530.72 | 50.25 | 53.71 |
| 73 | 537.56 | 43.07 | 48.95 |
| 74 | 544.40 | 34.36 | 51.57 |
| 75 | 551.24 | -27.66 | 54.02 |
| 76 | 558.08 | -27.66 | 46.95 |
| 77 | 564.92 | -37.47 | 45.72 |
| 78 | 571.76 | -44.15 | 48.29 |
| 79 | 578.60 | -56.86 | 60.99 |
| 80 | 585.43L | -65.16 | 69.30 |
| 80 | 585.43R | 62.22 | 68.43 |
| 81 | 591.02 | 58.06 | 64.28 |
| 82 | 596.60 | 49.89 | 56.10 |
| 83 | 602.19 | 45.25 | 51.46 |
| 84 | 607.77 | 37.66 | 51.56 |
| 85 | 613.35 | 25.84 | 47.78 |
| 86 | 618.94 | -27.19 | 47.33 |
| 87 | 624.52 | -29.25 | 42.72 |
| 88 | 630.10 | -38.26 | 42.48 |
| 89 | 635.69 | -49.18 | 53.40 |
| 90 | 641.27L | -55.59 | 59.81 |
| 90 | 641.27R | 63.29 | 68.73 |
| 91 | 647.26 | 57.36 | 62.81 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.85 | -10.39 | 106.23 |
| 53 | 409.37 | 339.83 | -45.21 | 385.04 |
| 54 | 414.96 | 477.12 | -80.04 | 557.16 |
| 55 | 420.54 | 472.05 | -116.76 | 588.81 |
| 56 | 426.13 | 478.13 | -155.15 | 633.28 |
| 57 | 431.71 | 428.00 | -193.53 | 621.53 |
| 58 | 437.30 | 247.09 | -237.43 | 484.52 |

C152 (LC7) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 77.07 | -291.78 | 368.85 |
| 60 | 448.46 | 68.72 | -540.33 | 609.05 |
| 61 | 455.32 | 87.03 | -256.55 | 343.58 |
| 62 | 462.18 | 351.73 | -155.66 | 507.39 |
| 63 | 469.04 | 503.10 | -123.97 | 627.06 |
| 64 | 475.89 | 583.88 | -96.66 | 680.54 |
| 65 | 482.75 | 590.58 | -110.11 | 700.69 |
| 66 | 489.61 | 600.23 | -152.49 | 752.72 |
| 67 | 496.47 | 523.52 | -194.87 | 718.38 |
| 68 | 503.32 | 334.74 | -242.20 | 576.93 |
| 69 | 510.18 | 91.93 | -294.70 | 386.62 |
| 70 | 517.04 | 43.78 | -584.83 | 628.60 |
| 71 | 523.88 | 56.16 | -274.53 | 330.69 |
| 72 | 530.72 | 318.46 | -195.63 | 514.09 |
| 73 | 537.56 | 483.29 | -155.85 | 639.14 |
| 74 | 544.40 | 562.82 | -120.89 | 683.71 |
| 75 | 551.24 | 571.21 | -85.94 | 657.16 |
| 76 | 558.08 | 580.83 | -94.74 | 675.57 |
| 77 | 564.92 | 497.73 | -121.77 | 619.50 |
| 78 | 571.76 | 303.61 | -153.76 | 457.37 |
| 79 | 578.60 | 58.99 | -278.87 | 337.85 |
| 80 | 585.43 | 63.51 | -569.16 | 632.67 |
| 81 | 591.02 | 73.52 | -319.55 | 393.07 |
| 82 | 596.60 | 273.52 | -232.97 | 506.50 |
| 83 | 602.19 | 384.80 | -191.95 | 576.75 |
| 84 | 607.77 | 444.96 | -159.59 | 604.55 |
| 85 | 613.35 | 489.30 | -130.35 | 619.65 |
| 86 | 618.94 | 506.29 | -144.55 | 650.84 |
| 87 | 624.52 | 463.00 | -185.47 | 648.47 |
| 88 | 630.10 | 351.83 | -232.29 | 584.12 |
| 89 | 635.69 | 207.69 | -279.10 | 486.80 |
| 90 | 641.27 | 33.33 | -352.80 | 386.13 |
| 91 | 647.26 | 2.11 | -0.47 | 2.58 |

C152 (LC7) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 52.95 | 55.96 |
| 53 | 409.38 | 38.44 | 41.44 |
| 54 | 414.97 | 25.92 | 35.97 |
| 55 | 420.55 | 26.74 | 41.97 |
| 56 | 426.13 | -27.37 | 44.09 |
| 57 | 431.72 | -36.27 | 44.54 |
| 58 | 437.30 | -39.75 | 44.29 |
| 59 | 442.88 | -49.59 | 50.53 |
| 60 | 448.46L | -62.00 | 62.94 |
| 60 | 448.46R | 60.72 | 63.03 |
| 61 | 455.32 | 51.27 | 53.58 |
| 62 | 462.18 | 39.69 | 48.10 |
| 63 | 469.04 | 39.53 | 49.23 |
| 64 | 475.89 | 31.23 | 50.61 |
| 65 | 482.75 | -33.25 | 64.12 |
| 66 | 489.61 | -24.66 | 48.62 |
| 67 | 496.47 | -37.92 | 49.92 |
| 68 | 503.32 | -36.81 | 44.67 |
| 69 | 510.18 | -50.84 | 52.32 |
| 70 | 517.04L | -61.65 | 63.13 |
| 70 | 517.04R | 61.59 | 63.24 |
| 71 | 523.93 | 54.44 | 56.08 |
| 72 | 530.82 | 44.82 | 51.85 |
| 73 | 537.70 | 40.96 | 48.91 |
| 74 | 544.59 | 30.90 | 52.69 |
| 75 | 551.48 | -30.36 | 50.50 |
| 76 | 558.37 | -25.20 | 48.61 |
| 77 | 565.26 | -36.28 | 47.42 |
| 78 | 572.14 | -37.67 | 44.62 |
| 79 | 579.03 | -51.63 | 53.68 |
| 80 | 585.92L | -61.53 | 63.58 |
| 80 | 585.92R | 62.42 | 65.95 |
| 81 | 591.44 | 56.11 | 59.64 |
| 82 | 596.95 | 45.85 | 49.38 |
| 83 | 602.47 | 40.43 | 50.01 |
| 84 | 607.98 | 36.97 | 50.49 |
| 85 | 613.50 | 30.49 | 52.53 |
| 86 | 619.02 | -29.78 | 47.62 |
| 87 | 624.53 | -26.21 | 44.28 |
| 88 | 630.05 | -35.89 | 44.82 |
| 89 | 635.57 | -43.50 | 46.29 |
| 90 | 641.08L | -55.69 | 58.48 |
| 90 | 641.08R | 58.19 | 60.95 |
| 91 | 647.14 | 58.14 | 60.47 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 96.30 | -5.43 | 101.73 |
| 53 | 409.38 | 323.42 | -23.49 | 346.90 |
| 54 | 414.97 | 439.87 | -41.54 | 481.42 |
| 55 | 420.55 | 408.33 | -65.10 | 473.43 |
| 56 | 426.13 | 420.47 | -93.44 | 513.91 |
| 57 | 431.72 | 371.37 | -121.78 | 493.16 |
| 58 | 437.30 | 215.72 | -166.53 | 382.25 |

C152 (LC7) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 69.02 | -241.47 | 310.49 |
| 60 | 448.46 | 38.16 | -461.78 | 499.94 |
| 61 | 455.32 | 96.92 | -231.27 | 328.19 |
| 62 | 462.18 | 300.30 | -119.09 | 419.39 |
| 63 | 469.04 | 403.96 | -80.31 | 484.27 |
| 64 | 475.89 | 470.82 | -54.99 | 525.81 |
| 65 | 482.75 | 447.47 | -50.20 | 497.67 |
| 66 | 489.61 | 477.81 | -84.56 | 562.37 |
| 67 | 496.47 | 412.36 | -118.93 | 531.29 |
| 68 | 503.32 | 264.54 | -168.09 | 432.62 |
| 69 | 510.18 | 76.62 | -261.68 | 338.30 |
| 70 | 517.04 | 25.93 | -504.38 | 530.31 |
| 71 | 523.93 | 69.00 | -240.17 | 309.17 |
| 72 | 530.82 | 275.48 | -140.29 | 415.77 |
| 73 | 537.70 | 396.53 | -97.52 | 494.05 |
| 74 | 544.59 | 462.66 | -67.82 | 530.48 |
| 75 | 551.48 | 446.28 | -38.04 | 484.33 |
| 76 | 558.37 | 469.59 | -52.69 | 522.28 |
| 77 | 565.26 | 395.53 | -76.11 | 471.64 |
| 78 | 572.14 | 237.39 | -112.10 | 349.49 |
| 79 | 579.03 | 37.00 | -258.59 | 295.60 |
| 80 | 585.92 | 42.05 | -514.21 | 556.27 |
| 81 | 591.44 | 81.05 | -299.94 | 380.99 |
| 82 | 596.95 | 262.09 | -198.73 | 460.82 |
| 83 | 602.47 | 349.67 | -148.07 | 497.75 |
| 84 | 607.98 | 392.60 | -113.85 | 506.45 |
| 85 | 613.50 | 431.09 | -87.92 | 519.01 |
| 86 | 619.02 | 417.65 | -88.01 | 505.67 |
| 87 | 624.53 | 368.19 | -120.63 | 488.83 |
| 88 | 630.05 | 279.37 | -168.61 | 447.97 |
| 89 | 635.57 | 156.76 | -216.58 | 373.34 |
| 90 | 641.08 | 17.20 | -331.87 | 349.07 |
| 91 | 647.14 | 1.42 | -0.03 | 1.45 |

C152 (LC7) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 53.06 | 58.85 |
| 53 | 409.40 | 41.30 | 47.08 |
| 54 | 414.98 | 30.27 | 39.04 |
| 55 | 420.56 | 24.65 | 41.39 |
| 56 | 426.14 | -28.37 | 44.20 |
| 57 | 431.72 | -37.36 | 45.41 |
| 58 | 437.30 | -44.36 | 47.01 |
| 59 | 442.88 | -52.72 | 54.35 |
| 60 | 448.46L | -62.17 | 63.79 |
| 60 | 448.46R | 65.74 | 71.15 |
| 61 | 455.32 | 57.48 | 62.89 |
| 62 | 462.18 | 46.70 | 52.11 |
| 63 | 469.04 | 42.07 | 50.13 |
| 64 | 475.90 | 35.22 | 50.78 |
| 65 | 482.76 | 28.14 | 54.29 |
| 66 | 489.62 | -27.09 | 47.42 |
| 67 | 496.48 | -38.55 | 48.00 |
| 68 | 503.34 | -44.36 | 47.52 |
| 69 | 510.20 | -56.10 | 59.26 |
| 70 | 517.06L | -64.43 | 67.59 |
| 70 | 517.06R | 67.29 | 70.88 |
| 71 | 523.99 | 59.22 | 62.81 |
| 72 | 530.93 | 51.99 | 55.58 |
| 73 | 537.87 | 44.21 | 50.26 |
| 74 | 544.81 | 35.66 | 52.77 |
| 75 | 551.75 | 26.05 | 45.07 |
| 76 | 558.68 | -28.59 | 43.32 |
| 77 | 565.62 | -38.33 | 43.93 |
| 78 | 572.56 | -46.22 | 50.63 |
| 79 | 579.50 | -58.58 | 62.98 |
| 80 | 586.44L | -67.40 | 71.81 |
| 80 | 586.44R | 63.57 | 70.39 |
| 81 | 591.88 | 60.17 | 66.99 |
| 82 | 597.33 | 52.22 | 59.04 |
| 83 | 602.78 | 47.46 | 54.60 |
| 84 | 608.23 | 39.08 | 54.06 |
| 85 | 613.67 | 33.14 | 56.33 |
| 86 | 619.12 | -27.86 | 48.45 |
| 87 | 624.57 | -30.89 | 43.62 |
| 88 | 630.02 | -39.43 | 45.96 |
| 89 | 635.46 | -47.21 | 53.00 |
| 90 | 640.91L | -56.89 | 62.68 |
| 90 | 640.91R | 64.35 | 70.22 |
| 91 | 647.03 | 59.49 | 64.61 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 97.22 | -10.58 | 107.80 |
| 53 | 409.40 | 340.40 | -45.52 | 385.93 |
| 54 | 414.98 | 477.14 | -80.46 | 557.60 |
| 55 | 420.56 | 472.13 | -117.38 | 589.51 |
| 56 | 426.14 | 478.22 | -155.96 | 634.18 |
| 57 | 431.72 | 428.51 | -194.53 | 623.04 |
| 58 | 437.30 | 247.37 | -238.38 | 485.75 |

C152 (LC7) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 77.38 | -292.29 | 369.66 |
| 60 | 448.46 | 75.20 | -541.29 | 616.49 |
| 61 | 455.32 | 86.52 | -257.05 | 343.56 |
| 62 | 462.18 | 351.93 | -155.73 | 507.66 |
| 63 | 469.04 | 503.65 | -124.10 | 627.76 |
| 64 | 475.90 | 584.10 | -96.89 | 680.99 |
| 65 | 482.76 | 592.70 | -120.22 | 712.93 |
| 66 | 489.62 | 603.67 | -166.86 | 770.53 |
| 67 | 496.48 | 528.13 | -213.51 | 741.64 |
| 68 | 503.34 | 340.26 | -265.71 | 605.97 |
| 69 | 510.20 | 98.26 | -323.42 | 421.69 |
| 70 | 517.06 | 47.04 | -607.11 | 654.15 |
| 71 | 523.99 | 47.22 | -281.13 | 328.35 |
| 72 | 530.93 | 327.61 | -194.64 | 522.25 |
| 73 | 537.87 | 504.33 | -156.42 | 660.75 |
| 74 | 544.81 | 588.44 | -121.06 | 709.50 |
| 75 | 551.75 | 599.23 | -85.70 | 684.93 |
| 76 | 558.68 | 598.20 | -94.52 | 692.72 |
| 77 | 565.62 | 503.29 | -120.96 | 624.25 |
| 78 | 572.56 | 291.12 | -151.09 | 442.20 |
| 79 | 579.50 | 56.34 | -304.80 | 361.13 |
| 80 | 586.44 | 71.40 | -622.11 | 693.50 |
| 81 | 591.88 | 90.77 | -365.51 | 456.28 |
| 82 | 597.33 | 285.44 | -291.86 | 577.30 |
| 83 | 602.78 | 391.15 | -245.80 | 636.95 |
| 84 | 608.23 | 455.75 | -205.53 | 661.28 |
| 85 | 613.67 | 495.24 | -169.10 | 664.34 |
| 86 | 619.12 | 504.03 | -160.15 | 664.19 |
| 87 | 624.57 | 467.45 | -200.32 | 667.77 |
| 88 | 630.02 | 348.90 | -246.17 | 595.07 |
| 89 | 635.46 | 198.90 | -292.03 | 490.93 |
| 90 | 640.91 | 37.53 | -366.59 | 404.12 |
| 91 | 647.03 | 5.37 | -0.48 | 5.85 |

C174b Service Loads

(LC for Variable Axel Spacing)

C174 Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 50.25 | 57.75 |
| 53 | 409.37 | 39.05 | 46.56 |
| 54 | 414.96 | 25.96 | 33.46 |
| 55 | 420.54 | 22.54 | 36.63 |
| 56 | 426.13 | -29.02 | 42.10 |
| 57 | 431.71 | -35.47 | 38.61 |
| 58 | 437.30 | -47.27 | 49.20 |
| 59 | 442.88 | -56.68 | 58.60 |
| 60 | 448.46L | -66.22 | 68.15 |
| 60 | 448.46R | 76.67 | 83.11 |
| 61 | 455.32 | 65.84 | 72.28 |
| 62 | 462.18 | 49.28 | 55.73 |
| 63 | 469.04 | 42.65 | 48.82 |
| 64 | 475.89 | 33.09 | 46.47 |
| 65 | 482.75 | 23.50 | 42.37 |
| 66 | 489.61 | -26.87 | 40.74 |
| 67 | 496.47 | -40.45 | 43.91 |
| 68 | 503.32 | -47.16 | 50.63 |
| 69 | 510.18 | -60.05 | 63.52 |
| 70 | 517.04L | -75.71 | 79.18 |
| 70 | 517.04R | 76.31 | 80.80 |
| 71 | 523.88 | 64.47 | 68.96 |
| 72 | 530.72 | 52.19 | 56.67 |
| 73 | 537.56 | 42.36 | 46.44 |
| 74 | 544.40 | 30.82 | 44.59 |
| 75 | 551.24 | -27.32 | 51.59 |
| 76 | 558.08 | -27.32 | 42.15 |
| 77 | 564.92 | -38.59 | 43.59 |
| 78 | 571.76 | -46.47 | 51.77 |
| 79 | 578.60 | -60.90 | 66.20 |
| 80 | 585.43L | -74.92 | 80.22 |
| 80 | 585.43R | 69.32 | 76.09 |
| 81 | 591.02 | 61.48 | 68.25 |
| 82 | 596.60 | 56.34 | 63.11 |
| 83 | 602.19 | 45.12 | 51.89 |
| 84 | 607.77 | 34.56 | 41.84 |
| 85 | 613.35 | 27.18 | 45.15 |
| 86 | 618.94 | -29.06 | 43.89 |
| 87 | 624.52 | -34.78 | 45.75 |
| 88 | 630.10 | -43.87 | 49.36 |
| 89 | 635.69 | -49.27 | 54.76 |
| 90 | 641.27L | -61.36 | 66.85 |
| 90 | 641.27R | 70.49 | 77.36 |
| 91 | 647.26 | 61.11 | 67.98 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.13 | -12.78 | 107.91 |
| 53 | 409.37 | 328.01 | -55.65 | 383.65 |
| 54 | 414.96 | 459.95 | -98.51 | 558.46 |
| 55 | 420.54 | 467.33 | -143.62 | 610.95 |
| 56 | 426.13 | 470.31 | -190.71 | 661.02 |
| 57 | 431.71 | 405.80 | -237.81 | 643.60 |
| 58 | 437.30 | 242.27 | -291.43 | 533.70 |

C174 Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 73.43 | -346.96 | 420.39 |
| 60 | 448.46 | 84.32 | -580.41 | 664.73 |
| 61 | 455.32 | 43.06 | -236.62 | 279.68 |
| 62 | 462.18 | 356.85 | -164.04 | 520.88 |
| 63 | 469.04 | 538.62 | -130.78 | 669.40 |
| 64 | 475.89 | 627.37 | -102.04 | 729.42 |
| 65 | 482.75 | 636.51 | -135.27 | 771.78 |
| 66 | 489.61 | 641.85 | -187.11 | 828.96 |
| 67 | 496.47 | 560.50 | -238.95 | 799.45 |
| 68 | 503.32 | 352.10 | -296.69 | 648.80 |
| 69 | 510.18 | 74.97 | -360.28 | 435.26 |
| 70 | 517.04 | 53.85 | -634.26 | 688.11 |
| 71 | 523.88 | 37.13 | -294.10 | 331.23 |
| 72 | 530.72 | 333.48 | -239.84 | 573.32 |
| 73 | 537.56 | 515.09 | -191.34 | 706.43 |
| 74 | 544.40 | 602.32 | -148.56 | 750.88 |
| 75 | 551.24 | 620.09 | -105.79 | 725.88 |
| 76 | 558.08 | 615.06 | -116.56 | 731.62 |
| 77 | 564.92 | 528.02 | -149.79 | 677.81 |
| 78 | 571.76 | 319.79 | -189.08 | 508.87 |
| 79 | 578.60 | 58.65 | -288.80 | 347.45 |
| 80 | 585.43 | 74.21 | -611.94 | 686.15 |
| 81 | 591.02 | 65.26 | -337.33 | 402.59 |
| 82 | 596.60 | 264.73 | -287.07 | 551.80 |
| 83 | 602.19 | 410.23 | -236.81 | 647.04 |
| 84 | 607.77 | 462.40 | -197.03 | 659.42 |
| 85 | 613.35 | 507.12 | -161.01 | 668.13 |
| 86 | 618.94 | 523.79 | -156.92 | 680.71 |
| 87 | 624.52 | 486.41 | -201.10 | 687.51 |
| 88 | 630.10 | 391.97 | -251.49 | 643.45 |
| 89 | 635.69 | 218.71 | -301.87 | 520.57 |
| 90 | 641.27 | 41.01 | -368.74 | 409.75 |
| 91 | 647.26 | 2.36 | -0.57 | 2.93 |

C174 Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 48.79 | 52.67 |
| 53 | 409.38 | 36.65 | 40.53 |
| 54 | 414.97 | 20.45 | 29.64 |
| 55 | 420.55 | 20.46 | 33.58 |
| 56 | 426.13 | -27.84 | 43.78 |
| 57 | 431.72 | -36.44 | 39.11 |
| 58 | 437.30 | -42.52 | 43.72 |
| 59 | 442.88 | -53.94 | 55.13 |
| 60 | 448.46L | -65.15 | 66.35 |
| 60 | 448.46R | 68.53 | 71.51 |
| 61 | 455.32 | 55.58 | 58.55 |
| 62 | 462.18 | 41.68 | 48.60 |
| 63 | 469.04 | 39.39 | 46.72 |
| 64 | 475.89 | 28.51 | 45.23 |
| 65 | 482.75 | -30.79 | 57.46 |
| 66 | 489.61 | -23.56 | 41.88 |
| 67 | 496.47 | -38.00 | 46.39 |
| 68 | 503.32 | -41.27 | 42.87 |
| 69 | 510.18 | -54.13 | 55.74 |
| 70 | 517.04L | -68.65 | 70.26 |
| 70 | 517.04R | 69.85 | 71.92 |
| 71 | 523.93 | 56.34 | 58.41 |
| 72 | 530.82 | 46.10 | 48.16 |
| 73 | 537.70 | 39.44 | 44.42 |
| 74 | 544.59 | 26.69 | 44.40 |
| 75 | 551.48 | -26.66 | 41.32 |
| 76 | 558.37 | -23.86 | 42.27 |
| 77 | 565.26 | -36.15 | 42.53 |
| 78 | 572.14 | -41.29 | 43.91 |
| 79 | 579.03 | -54.27 | 56.89 |
| 80 | 585.92L | -69.70 | 72.32 |
| 80 | 585.92R | 67.38 | 71.30 |
| 81 | 591.44 | 59.25 | 63.17 |
| 82 | 596.95 | 52.62 | 56.54 |
| 83 | 602.47 | 39.82 | 43.74 |
| 84 | 607.98 | 32.79 | 41.39 |
| 85 | 613.50 | 25.22 | 40.00 |
| 86 | 619.02 | -25.65 | 40.23 |
| 87 | 624.53 | -28.51 | 42.76 |
| 88 | 630.05 | -37.90 | 41.53 |
| 89 | 635.57 | -48.45 | 52.09 |
| 90 | 641.08L | -60.66 | 64.30 |
| 90 | 641.08R | 65.82 | 69.26 |
| 91 | 647.14 | 57.32 | 60.25 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 92.80 | -6.63 | 99.44 |
| 53 | 409.38 | 303.62 | -28.71 | 332.33 |
| 54 | 414.97 | 408.88 | -50.79 | 459.67 |
| 55 | 420.55 | 395.88 | -79.28 | 475.15 |
| 56 | 426.13 | 404.60 | -113.33 | 517.93 |
| 57 | 431.72 | 341.47 | -147.38 | 488.85 |
| 58 | 437.30 | 207.16 | -200.54 | 407.70 |

C174 Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 39.59 | -259.47 | 299.06 |
| 60 | 448.46 | 46.32 | -505.39 | 551.72 |
| 61 | 455.32 | 54.27 | -212.35 | 266.61 |
| 62 | 462.18 | 287.94 | -123.97 | 411.91 |
| 63 | 469.04 | 411.48 | -83.95 | 495.43 |
| 64 | 475.89 | 478.68 | -57.70 | 536.39 |
| 65 | 482.75 | 440.87 | -61.53 | 502.40 |
| 66 | 489.61 | 484.59 | -102.68 | 587.28 |
| 67 | 496.47 | 420.08 | -143.86 | 563.94 |
| 68 | 503.32 | 261.16 | -202.40 | 463.57 |
| 69 | 510.18 | 55.25 | -278.25 | 333.50 |
| 70 | 517.04 | 30.83 | -552.52 | 583.35 |
| 71 | 523.93 | 25.08 | -235.01 | 260.09 |
| 72 | 530.82 | 273.78 | -168.79 | 442.56 |
| 73 | 537.70 | 403.04 | -118.15 | 521.19 |
| 74 | 544.59 | 471.17 | -82.66 | 553.83 |
| 75 | 551.48 | 446.19 | -47.08 | 493.27 |
| 76 | 558.37 | 471.60 | -62.70 | 534.30 |
| 77 | 565.26 | 399.87 | -90.44 | 490.31 |
| 78 | 572.14 | 229.92 | -132.90 | 362.83 |
| 79 | 579.03 | 37.44 | -267.19 | 304.63 |
| 80 | 585.92 | 46.59 | -560.26 | 606.85 |
| 81 | 591.44 | 43.18 | -301.76 | 344.94 |
| 82 | 596.95 | 237.11 | -241.13 | 478.24 |
| 83 | 602.47 | 352.21 | -180.49 | 532.70 |
| 84 | 607.98 | 393.23 | -139.25 | 532.48 |
| 85 | 613.50 | 411.46 | -107.80 | 519.26 |
| 86 | 619.02 | 414.93 | -96.72 | 511.65 |
| 87 | 624.53 | 368.77 | -131.97 | 500.74 |
| 88 | 630.05 | 301.53 | -183.33 | 484.86 |
| 89 | 635.57 | 145.12 | -234.68 | 379.81 |
| 90 | 641.08 | 20.81 | -355.03 | 375.84 |
| 91 | 647.14 | 1.16 | -0.03 | 1.19 |

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 49.32 | 56.86 |
| 53 | 409.40 | 38.97 | 46.51 |
| 54 | 414.98 | 23.98 | 31.52 |
| 55 | 420.56 | 18.62 | 32.33 |
| 56 | 426.14 | -27.49 | 41.93 |
| 57 | 431.72 | -35.48 | 37.43 |
| 58 | 437.30 | -47.30 | 49.42 |
| 59 | 442.88 | -56.67 | 58.78 |
| 60 | 448.46L | -66.26 | 68.37 |
| 60 | 448.46R | 76.80 | 83.86 |
| 61 | 455.32 | 65.94 | 73.01 |
| 62 | 462.18 | 49.33 | 56.40 |
| 63 | 469.04 | 42.73 | 49.49 |
| 64 | 475.90 | 33.20 | 46.55 |
| 65 | 482.76 | -24.32 | 47.55 |
| 66 | 489.62 | -26.86 | 41.09 |
| 67 | 496.48 | -40.28 | 43.58 |
| 68 | 503.34 | -47.56 | 51.00 |
| 69 | 510.20 | -59.80 | 63.24 |
| 70 | 517.06L | -75.55 | 78.99 |
| 70 | 517.06R | 79.58 | 84.03 |
| 71 | 523.99 | 68.28 | 72.73 |
| 72 | 530.93 | 54.31 | 58.76 |
| 73 | 537.87 | 43.63 | 47.57 |
| 74 | 544.81 | 32.17 | 45.96 |
| 75 | 551.75 | 25.81 | 42.42 |
| 76 | 558.68 | -28.40 | 42.58 |
| 77 | 565.62 | -39.60 | 44.84 |
| 78 | 572.56 | -54.76 | 60.41 |
| 79 | 579.50 | -71.11 | 76.76 |
| 80 | 586.44L | -79.94 | 85.59 |
| 80 | 586.44R | 70.02 | 77.78 |
| 81 | 591.88 | 63.04 | 70.80 |
| 82 | 597.33 | 58.64 | 66.40 |
| 83 | 602.78 | 47.22 | 54.98 |
| 84 | 608.23 | 35.01 | 43.21 |
| 85 | 613.67 | 27.62 | 42.09 |
| 86 | 619.12 | -25.05 | 40.59 |
| 87 | 624.57 | -33.20 | 41.70 |
| 88 | 630.02 | -43.15 | 50.74 |
| 89 | 635.46 | -53.03 | 60.62 |
| 90 | 640.91L | -62.48 | 70.08 |
| 90 | 640.91R | 74.90 | 82.40 |
| 91 | 647.03 | 65.25 | 71.81 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.43 | -13.04 | 109.47 |
| 53 | 409.40 | 328.53 | -56.08 | 384.61 |
| 54 | 414.98 | 459.96 | -99.13 | 559.09 |
| 55 | 420.56 | 467.60 | -144.52 | 612.12 |
| 56 | 426.14 | 470.65 | -191.89 | 662.53 |
| 57 | 431.72 | 406.27 | -239.26 | 645.53 |
| 58 | 437.30 | 242.34 | -292.87 | 535.21 |

C174 Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 80.50 | -348.44 | 428.94 |
| 60 | 448.46 | 92.44 | -581.45 | 673.89 |
| 61 | 455.32 | 43.32 | -237.05 | 280.37 |
| 62 | 462.18 | 357.10 | -164.08 | 521.19 |
| 63 | 469.04 | 539.55 | -130.90 | 670.45 |
| 64 | 475.90 | 628.34 | -102.27 | 730.61 |
| 65 | 482.76 | 639.44 | -147.93 | 787.38 |
| 66 | 489.62 | 646.06 | -205.12 | 851.18 |
| 67 | 496.48 | 566.06 | -262.31 | 828.37 |
| 68 | 503.34 | 358.83 | -326.19 | 685.02 |
| 69 | 510.20 | 83.46 | -396.68 | 480.14 |
| 70 | 517.06 | 54.64 | -656.19 | 710.83 |
| 71 | 523.99 | 36.48 | -288.80 | 325.27 |
| 72 | 530.93 | 343.30 | -238.67 | 581.97 |
| 73 | 537.87 | 538.83 | -192.10 | 730.93 |
| 74 | 544.81 | 630.07 | -148.83 | 778.89 |
| 75 | 551.75 | 648.52 | -105.56 | 754.08 |
| 76 | 558.68 | 633.64 | -109.79 | 743.42 |
| 77 | 565.62 | 533.38 | -140.49 | 673.87 |
| 78 | 572.56 | 296.63 | -175.45 | 472.08 |
| 79 | 579.50 | 63.08 | -314.68 | 377.75 |
| 80 | 586.44 | 87.69 | -666.24 | 753.92 |
| 81 | 591.88 | 78.03 | -418.22 | 496.25 |
| 82 | 597.33 | 274.13 | -361.48 | 635.61 |
| 83 | 602.78 | 419.14 | -304.74 | 723.88 |
| 84 | 608.23 | 469.17 | -254.99 | 724.16 |
| 85 | 613.67 | 500.35 | -209.88 | 710.24 |
| 86 | 619.12 | 527.76 | -179.36 | 707.12 |
| 87 | 624.57 | 490.62 | -224.21 | 714.83 |
| 88 | 630.02 | 390.54 | -275.16 | 665.70 |
| 89 | 635.46 | 219.47 | -326.12 | 545.59 |
| 90 | 640.91 | 46.29 | -389.05 | 435.34 |
| 91 | 647.03 | 5.18 | -0.59 | 5.77 |

C174 (LC2) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 54.33 | 61.48 |
| 53 | 409.37 | 43.60 | 50.75 |
| 54 | 414.96 | 31.48 | 38.63 |
| 55 | 420.54 | 24.08 | 39.44 |
| 56 | 426.13 | -29.92 | 45.74 |
| 57 | 431.71 | -35.00 | 40.21 |
| 58 | 437.30 | -46.18 | 48.03 |
| 59 | 442.88 | -56.67 | 58.52 |
| 60 | 448.46L | -63.97 | 65.82 |
| 60 | 448.46R | 74.67 | 80.85 |
| 61 | 455.32 | 63.50 | 69.69 |
| 62 | 462.18 | 50.36 | 56.54 |
| 63 | 469.04 | 44.18 | 50.10 |
| 64 | 475.89 | 30.51 | 46.37 |
| 65 | 482.75 | 25.42 | 43.33 |
| 66 | 489.61 | -29.32 | 42.45 |
| 67 | 496.47 | -39.19 | 44.55 |
| 68 | 503.32 | -49.34 | 52.77 |
| 69 | 510.18 | -62.93 | 66.37 |
| 70 | 517.04L | -73.36 | 76.79 |
| 70 | 517.04R | 74.23 | 78.56 |
| 71 | 523.88 | 62.33 | 66.66 |
| 72 | 530.72 | 50.23 | 54.56 |
| 73 | 537.56 | 39.97 | 44.58 |
| 74 | 544.40 | 28.83 | 45.46 |
| 75 | 551.24 | -29.09 | 52.04 |
| 76 | 558.08 | -29.09 | 42.49 |
| 77 | 564.92 | -40.37 | 45.15 |
| 78 | 571.76 | -48.45 | 53.52 |
| 79 | 578.60 | -63.84 | 68.91 |
| 80 | 585.43L | -73.65 | 78.72 |
| 80 | 585.43R | 67.66 | 74.42 |
| 81 | 591.02 | 62.58 | 69.33 |
| 82 | 596.60 | 53.39 | 60.14 |
| 83 | 602.19 | 48.07 | 54.82 |
| 84 | 607.77 | 37.72 | 46.02 |
| 85 | 613.35 | 24.25 | 43.65 |
| 86 | 618.94 | -30.17 | 48.08 |
| 87 | 624.52 | -34.68 | 44.13 |
| 88 | 630.10 | -43.39 | 48.65 |
| 89 | 635.69 | -48.75 | 54.01 |
| 90 | 641.27L | -59.56 | 64.82 |
| 90 | 641.27R | 70.10 | 76.67 |
| 91 | 647.26 | 60.66 | 67.23 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.17 | -12.03 | 107.19 |
| 53 | 409.37 | 328.28 | -52.36 | 380.64 |
| 54 | 414.96 | 460.43 | -92.70 | 553.13 |
| 55 | 420.54 | 468.05 | -135.18 | 603.23 |
| 56 | 426.13 | 471.16 | -179.55 | 650.71 |
| 57 | 431.71 | 406.77 | -223.93 | 630.70 |
| 58 | 437.30 | 242.83 | -274.53 | 517.36 |
| 59 | 442.88 | 69.66 | -326.97 | 396.63 |

C174 (LC2) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 80.00 | -584.96 | 664.96 |
| 61 | 455.32 | 46.77 | -251.37 | 298.14 |
| 62 | 462.18 | 354.13 | -162.52 | 516.65 |
| 63 | 469.04 | 529.43 | -129.56 | 659.00 |
| 64 | 475.89 | 613.13 | -101.09 | 714.22 |
| 65 | 482.75 | 617.53 | -128.27 | 745.80 |
| 66 | 489.61 | 629.26 | -177.52 | 806.79 |
| 67 | 496.47 | 552.02 | -226.78 | 778.80 |
| 68 | 503.32 | 344.93 | -281.72 | 626.64 |
| 69 | 510.18 | 77.23 | -342.28 | 419.50 |
| 70 | 517.04 | 50.55 | -639.32 | 689.88 |
| 71 | 523.88 | 36.79 | -281.95 | 318.74 |
| 72 | 530.72 | 330.56 | -226.74 | 557.30 |
| 73 | 537.56 | 506.72 | -180.80 | 687.52 |
| 74 | 544.40 | 591.69 | -140.34 | 732.02 |
| 75 | 551.24 | 600.79 | -99.88 | 700.67 |
| 76 | 558.08 | 603.49 | -109.41 | 712.90 |
| 77 | 564.92 | 521.26 | -140.58 | 661.84 |
| 78 | 571.76 | 310.59 | -177.44 | 488.03 |
| 79 | 578.60 | 57.89 | -296.84 | 354.73 |
| 80 | 585.43 | 70.10 | -614.98 | 685.08 |
| 81 | 591.02 | 61.65 | -335.78 | 397.43 |
| 82 | 596.60 | 263.61 | -272.31 | 535.92 |
| 83 | 602.19 | 401.09 | -224.52 | 625.61 |
| 84 | 607.77 | 457.30 | -186.75 | 644.05 |
| 85 | 613.35 | 490.65 | -152.58 | 643.23 |
| 86 | 618.94 | 511.06 | -154.90 | 665.96 |
| 87 | 624.52 | 475.03 | -198.58 | 673.60 |
| 88 | 630.10 | 373.68 | -248.44 | 622.11 |
| 89 | 635.69 | 224.80 | -298.30 | 523.10 |
| 90 | 641.27 | 38.85 | -365.98 | 404.83 |
| 91 | 647.26 | 2.36 | -0.54 | 2.90 |

C174 (LC2) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 53.93 | 57.64 |
| 53 | 409.38 | 40.27 | 43.98 |
| 54 | 414.97 | 26.85 | 31.99 |
| 55 | 420.55 | 26.11 | 35.66 |
| 56 | 426.13 | -22.99 | 40.00 |
| 57 | 431.72 | -34.57 | 40.46 |
| 58 | 437.30 | -41.64 | 42.79 |
| 59 | 442.88 | -52.24 | 53.39 |
| 60 | 448.46L | -62.14 | 63.29 |
| 60 | 448.46R | 66.69 | 69.54 |
| 61 | 455.32 | 55.51 | 58.35 |
| 62 | 462.18 | 42.95 | 49.14 |
| 63 | 469.04 | 41.15 | 48.02 |
| 64 | 475.89 | 25.59 | 45.40 |
| 65 | 482.75 | 30.58 | 59.85 |
| 66 | 489.61 | -26.25 | 42.64 |
| 67 | 496.47 | -36.43 | 43.28 |
| 68 | 503.32 | -41.36 | 43.50 |
| 69 | 510.18 | -54.88 | 56.47 |
| 70 | 517.04L | -66.45 | 68.04 |
| 70 | 517.04R | 67.44 | 69.42 |
| 71 | 523.93 | 57.20 | 59.18 |
| 72 | 530.82 | 42.45 | 46.76 |
| 73 | 537.70 | 36.64 | 43.38 |
| 74 | 544.59 | 25.04 | 46.23 |
| 75 | 551.48 | -30.20 | 45.08 |
| 76 | 558.37 | -26.15 | 42.97 |
| 77 | 565.26 | -38.10 | 44.02 |
| 78 | 572.14 | -41.46 | 44.50 |
| 79 | 579.03 | -56.13 | 58.63 |
| 80 | 585.92L | -67.42 | 69.92 |
| 80 | 585.92R | 67.12 | 70.96 |
| 81 | 591.44 | 60.19 | 64.03 |
| 82 | 596.95 | 49.19 | 53.03 |
| 83 | 602.47 | 43.13 | 49.05 |
| 84 | 607.98 | 36.87 | 44.06 |
| 85 | 613.50 | 22.25 | 39.44 |
| 86 | 619.02 | -26.69 | 41.83 |
| 87 | 624.53 | -28.99 | 41.69 |
| 88 | 630.05 | -37.54 | 41.02 |
| 89 | 635.57 | -45.94 | 49.41 |
| 90 | 641.08L | -58.97 | 62.44 |
| 90 | 641.08R | 64.03 | 67.32 |
| 91 | 647.14 | 61.00 | 63.80 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 92.82 | -6.26 | 99.08 |
| 53 | 409.38 | 303.94 | -27.09 | 331.03 |
| 54 | 414.97 | 412.99 | -47.92 | 460.90 |
| 55 | 420.55 | 396.71 | -74.91 | 471.62 |
| 56 | 426.13 | 405.42 | -107.25 | 512.67 |
| 57 | 431.72 | 342.28 | -139.59 | 481.87 |
| 58 | 437.30 | 204.14 | -190.31 | 394.45 |

C174 (LC2) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 55.80 | -261.28 | 317.07 |
| 60 | 448.46 | 43.84 | -504.44 | 548.28 |
| 61 | 455.32 | 57.52 | -226.04 | 283.56 |
| 62 | 462.18 | 288.59 | -123.12 | 411.71 |
| 63 | 469.04 | 408.50 | -83.28 | 491.78 |
| 64 | 475.89 | 473.58 | -57.23 | 530.81 |
| 65 | 482.75 | 437.86 | -58.02 | 495.88 |
| 66 | 489.61 | 480.62 | -97.17 | 577.79 |
| 67 | 496.47 | 417.49 | -136.34 | 553.83 |
| 68 | 503.32 | 257.18 | -192.16 | 449.34 |
| 69 | 510.18 | 59.03 | -274.01 | 333.05 |
| 70 | 517.04 | 29.39 | -553.54 | 582.92 |
| 71 | 523.93 | 28.63 | -246.18 | 274.81 |
| 72 | 530.82 | 274.23 | -160.54 | 434.78 |
| 73 | 537.70 | 400.06 | -112.11 | 512.18 |
| 74 | 544.59 | 467.06 | -78.28 | 545.34 |
| 75 | 551.48 | 441.97 | -44.38 | 486.35 |
| 76 | 558.37 | 467.29 | -59.74 | 527.03 |
| 77 | 565.26 | 398.14 | -86.22 | 484.36 |
| 78 | 572.14 | 227.91 | -126.82 | 354.72 |
| 79 | 579.03 | 36.41 | -273.67 | 310.08 |
| 80 | 585.92 | 44.77 | -559.60 | 604.37 |
| 81 | 591.44 | 50.29 | -312.48 | 362.77 |
| 82 | 596.95 | 238.09 | -228.67 | 466.76 |
| 83 | 602.47 | 345.26 | -170.89 | 516.15 |
| 84 | 607.98 | 390.91 | -131.69 | 522.60 |
| 85 | 613.50 | 409.09 | -101.87 | 510.95 |
| 86 | 619.02 | 409.88 | -94.04 | 503.92 |
| 87 | 624.53 | 362.79 | -128.44 | 491.23 |
| 88 | 630.05 | 288.15 | -178.69 | 466.84 |
| 89 | 635.57 | 149.82 | -228.94 | 378.77 |
| 90 | 641.08 | 19.96 | -352.76 | 372.71 |
| 91 | 647.14 | 1.15 | -0.03 | 1.18 |

C174 (LC2) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 54.26 | 61.43 |
| 53 | 409.40 | 43.52 | 50.70 |
| 54 | 414.98 | 31.41 | 38.58 |
| 55 | 420.56 | 24.08 | 34.53 |
| 56 | 426.14 | -23.52 | 39.34 |
| 57 | 431.72 | -33.37 | 38.55 |
| 58 | 437.30 | -46.22 | 48.22 |
| 59 | 442.88 | -55.82 | 57.82 |
| 60 | 448.46L | -64.01 | 66.01 |
| 60 | 448.46R | 74.75 | 81.45 |
| 61 | 455.32 | 63.54 | 70.24 |
| 62 | 462.18 | 50.40 | 57.10 |
| 63 | 469.04 | 44.25 | 50.67 |
| 64 | 475.90 | 30.62 | 46.45 |
| 65 | 482.76 | 25.04 | 48.16 |
| 66 | 489.62 | -29.21 | 41.58 |
| 67 | 496.48 | -39.38 | 43.88 |
| 68 | 503.34 | -49.11 | 52.51 |
| 69 | 510.20 | -62.69 | 66.10 |
| 70 | 517.06L | -73.15 | 76.55 |
| 70 | 517.06R | 76.23 | 80.49 |
| 71 | 523.99 | 64.95 | 69.21 |
| 72 | 530.93 | 51.71 | 55.96 |
| 73 | 537.87 | 41.28 | 46.06 |
| 74 | 544.81 | 29.61 | 46.19 |
| 75 | 551.75 | 23.01 | 41.89 |
| 76 | 558.68 | -30.15 | 43.76 |
| 77 | 565.62 | -41.36 | 46.37 |
| 78 | 572.56 | -50.92 | 56.32 |
| 79 | 579.50 | -66.00 | 71.40 |
| 80 | 586.44L | -76.42 | 81.83 |
| 80 | 586.44R | 68.62 | 76.00 |
| 81 | 591.88 | 64.97 | 72.34 |
| 82 | 597.33 | 55.79 | 63.17 |
| 83 | 602.78 | 50.35 | 57.73 |
| 84 | 608.23 | 39.15 | 46.94 |
| 85 | 613.67 | 24.43 | 40.67 |
| 86 | 619.12 | -26.47 | 43.88 |
| 87 | 624.57 | -33.72 | 41.34 |
| 88 | 630.02 | -42.67 | 49.87 |
| 89 | 635.46 | -50.47 | 57.66 |
| 90 | 640.91L | -61.63 | 68.83 |
| 90 | 640.91R | 72.78 | 79.93 |
| 91 | 647.03 | 64.21 | 70.45 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.47 | -12.26 | 108.73 |
| 53 | 409.40 | 328.80 | -52.72 | 381.52 |
| 54 | 414.98 | 460.45 | -93.18 | 553.63 |
| 55 | 420.56 | 468.32 | -135.89 | 604.20 |
| 56 | 426.14 | 471.49 | -180.47 | 651.96 |
| 57 | 431.72 | 407.24 | -225.06 | 632.30 |
| 58 | 437.30 | 243.13 | -275.61 | 518.73 |

C174 (LC2) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 75.82 | -328.02 | 403.84 |
| 60 | 448.46 | 87.07 | -586.00 | 673.07 |
| 61 | 455.32 | 46.20 | -251.82 | 298.02 |
| 62 | 462.18 | 354.37 | -162.62 | 516.99 |
| 63 | 469.04 | 530.16 | -129.72 | 659.88 |
| 64 | 475.90 | 613.75 | -101.35 | 715.09 |
| 65 | 482.76 | 620.38 | -139.31 | 759.69 |
| 66 | 489.62 | 633.05 | -193.19 | 826.24 |
| 67 | 496.48 | 557.39 | -247.07 | 804.46 |
| 68 | 503.34 | 351.57 | -307.26 | 658.84 |
| 69 | 510.20 | 85.19 | -373.71 | 458.90 |
| 70 | 517.06 | 52.73 | -662.20 | 714.92 |
| 71 | 523.99 | 36.15 | -287.13 | 323.28 |
| 72 | 530.93 | 340.75 | -225.59 | 566.35 |
| 73 | 537.87 | 530.00 | -181.48 | 711.48 |
| 74 | 544.81 | 619.30 | -140.55 | 759.86 |
| 75 | 551.75 | 629.27 | -99.62 | 728.89 |
| 76 | 558.68 | 622.28 | -105.95 | 728.23 |
| 77 | 565.62 | 526.96 | -135.58 | 662.54 |
| 78 | 572.56 | 296.43 | -169.33 | 465.75 |
| 79 | 579.50 | 59.63 | -323.43 | 383.06 |
| 80 | 586.44 | 82.84 | -672.16 | 755.00 |
| 81 | 591.88 | 73.71 | -393.77 | 467.48 |
| 82 | 597.33 | 272.53 | -340.32 | 612.85 |
| 83 | 602.78 | 410.64 | -286.88 | 697.52 |
| 84 | 608.23 | 464.09 | -240.03 | 704.12 |
| 85 | 613.67 | 486.22 | -197.56 | 683.79 |
| 86 | 619.12 | 512.65 | -169.56 | 682.21 |
| 87 | 624.57 | 476.60 | -211.97 | 688.57 |
| 88 | 630.02 | 375.64 | -260.20 | 635.84 |
| 89 | 635.46 | 215.75 | -308.43 | 524.18 |
| 90 | 640.91 | 44.22 | -383.79 | 428.01 |
| 91 | 647.03 | 5.18 | -0.57 | 5.74 |

C174 (LC3) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 50.41 | 57.16 |
| 53 | 409.37 | 39.57 | 46.32 |
| 54 | 414.96 | 27.61 | 34.47 |
| 55 | 420.54 | 22.61 | 39.04 |
| 56 | 426.13 | -30.64 | 44.15 |
| 57 | 431.71 | -35.34 | 40.29 |
| 58 | 437.30 | -47.38 | 49.13 |
| 59 | 442.88 | -56.64 | 58.39 |
| 60 | 448.46L | -65.18 | 66.93 |
| 60 | 448.46R | 72.55 | 78.40 |
| 61 | 455.32 | 62.12 | 67.97 |
| 62 | 462.18 | 51.46 | 57.31 |
| 63 | 469.04 | 41.49 | 48.55 |
| 64 | 475.89 | 32.65 | 47.61 |
| 65 | 482.75 | 27.06 | 44.46 |
| 66 | 489.61 | -28.93 | 43.19 |
| 67 | 496.47 | -39.69 | 44.01 |
| 68 | 503.32 | -47.35 | 50.71 |
| 69 | 510.18 | -58.43 | 61.79 |
| 70 | 517.04L | -72.03 | 75.39 |
| 70 | 517.04R | 72.52 | 76.66 |
| 71 | 523.88 | 60.80 | 64.94 |
| 72 | 530.72 | 51.53 | 55.67 |
| 73 | 537.56 | 42.50 | 46.27 |
| 74 | 544.40 | 31.55 | 45.97 |
| 75 | 551.24 | -29.18 | 52.62 |
| 76 | 558.08 | -29.18 | 42.35 |
| 77 | 564.92 | -39.60 | 45.67 |
| 78 | 571.76 | -46.74 | 51.53 |
| 79 | 578.60 | -58.94 | 63.73 |
| 80 | 585.43L | -71.22 | 76.01 |
| 80 | 585.43R | 66.63 | 73.01 |
| 81 | 591.02 | 62.52 | 68.91 |
| 82 | 596.60 | 55.63 | 62.02 |
| 83 | 602.19 | 44.85 | 51.23 |
| 84 | 607.77 | 35.81 | 45.96 |
| 85 | 613.35 | 27.81 | 48.57 |
| 86 | 618.94 | -30.58 | 45.41 |
| 87 | 624.52 | -34.21 | 45.90 |
| 88 | 630.10 | -42.88 | 47.84 |
| 89 | 635.69 | -48.85 | 53.80 |
| 90 | 641.27L | -59.95 | 64.91 |
| 90 | 641.27R | 68.43 | 74.74 |
| 91 | 647.26 | 59.35 | 65.66 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.20 | -11.42 | 106.62 |
| 53 | 409.37 | 328.50 | -49.73 | 378.23 |
| 54 | 414.96 | 460.82 | -88.03 | 548.86 |
| 55 | 420.54 | 468.74 | -128.36 | 597.10 |
| 56 | 426.13 | 471.97 | -170.49 | 642.46 |
| 57 | 431.71 | 407.71 | -212.61 | 620.32 |
| 58 | 437.30 | 247.83 | -260.63 | 508.46 |
| 59 | 442.88 | 69.88 | -320.45 | 390.33 |

C174 (LC3) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 75.88 | -586.52 | 662.41 |
| 61 | 455.32 | 57.11 | -264.01 | 321.12 |
| 62 | 462.18 | 352.41 | -161.22 | 513.62 |
| 63 | 469.04 | 521.11 | -128.49 | 649.61 |
| 64 | 475.89 | 601.13 | -100.24 | 701.36 |
| 65 | 482.75 | 600.55 | -121.61 | 722.16 |
| 66 | 489.61 | 619.67 | -168.38 | 788.06 |
| 67 | 496.47 | 544.69 | -215.16 | 759.85 |
| 68 | 503.32 | 345.48 | -267.38 | 612.86 |
| 69 | 510.18 | 85.56 | -325.00 | 410.56 |
| 70 | 517.04 | 49.73 | -642.96 | 692.69 |
| 71 | 523.88 | 36.48 | -296.39 | 332.87 |
| 72 | 530.72 | 328.72 | -217.91 | 546.63 |
| 73 | 537.56 | 499.36 | -173.78 | 673.13 |
| 74 | 544.40 | 581.75 | -134.89 | 716.64 |
| 75 | 551.24 | 583.87 | -96.02 | 679.88 |
| 76 | 558.08 | 592.21 | -107.64 | 699.84 |
| 77 | 564.92 | 514.94 | -138.34 | 653.28 |
| 78 | 571.76 | 311.66 | -174.67 | 486.33 |
| 79 | 578.60 | 54.56 | -304.01 | 358.57 |
| 80 | 585.43 | 67.38 | -619.32 | 686.70 |
| 81 | 591.02 | 59.26 | -345.63 | 404.89 |
| 82 | 596.60 | 262.61 | -257.56 | 520.17 |
| 83 | 602.19 | 393.83 | -212.29 | 606.11 |
| 84 | 607.77 | 454.64 | -176.57 | 631.20 |
| 85 | 613.35 | 482.24 | -144.28 | 626.52 |
| 86 | 618.94 | 502.41 | -145.98 | 648.38 |
| 87 | 624.52 | 466.33 | -187.19 | 653.52 |
| 88 | 630.10 | 377.54 | -234.26 | 611.80 |
| 89 | 635.69 | 205.64 | -281.32 | 486.97 |
| 90 | 641.27 | 37.09 | -365.02 | 402.12 |
| 91 | 647.26 | 2.35 | -0.52 | 2.87 |

C174 (LC3) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 49.02 | 52.52 |
| 53 | 409.38 | 36.87 | 40.37 |
| 54 | 414.97 | 22.92 | 30.22 |
| 55 | 420.55 | 22.71 | 33.50 |
| 56 | 426.13 | -23.81 | 40.02 |
| 57 | 431.72 | -33.96 | 37.36 |
| 58 | 437.30 | -42.52 | 43.90 |
| 59 | 442.88 | -51.57 | 52.67 |
| 60 | 448.46L | -63.69 | 64.79 |
| 60 | 448.46R | 65.55 | 68.25 |
| 61 | 455.32 | 55.17 | 57.87 |
| 62 | 462.18 | 44.29 | 49.88 |
| 63 | 469.04 | 37.89 | 46.55 |
| 64 | 475.89 | 27.87 | 46.53 |
| 65 | 482.75 | 28.15 | 55.89 |
| 66 | 489.61 | -25.13 | 43.57 |
| 67 | 496.47 | -36.82 | 44.43 |
| 68 | 503.32 | -41.35 | 42.90 |
| 69 | 510.18 | -53.69 | 55.24 |
| 70 | 517.04L | -66.01 | 67.57 |
| 70 | 517.04R | 67.10 | 68.99 |
| 71 | 523.93 | 55.44 | 57.33 |
| 72 | 530.82 | 45.13 | 47.86 |
| 73 | 537.70 | 39.33 | 45.07 |
| 74 | 544.59 | 27.29 | 46.29 |
| 75 | 551.48 | -27.62 | 43.73 |
| 76 | 558.37 | -25.60 | 43.17 |
| 77 | 565.26 | -37.00 | 42.58 |
| 78 | 572.14 | -41.47 | 44.25 |
| 79 | 579.03 | -53.82 | 56.19 |
| 80 | 585.92L | -66.87 | 69.24 |
| 80 | 585.92R | 65.95 | 69.66 |
| 81 | 591.44 | 59.83 | 63.54 |
| 82 | 596.95 | 51.67 | 55.38 |
| 83 | 602.47 | 39.62 | 44.20 |
| 84 | 607.98 | 40.34 | 49.66 |
| 85 | 613.50 | 25.85 | 43.21 |
| 86 | 619.02 | -27.57 | 40.55 |
| 87 | 624.53 | -29.01 | 43.45 |
| 88 | 630.05 | -37.25 | 42.85 |
| 89 | 635.57 | -48.74 | 52.04 |
| 90 | 641.08L | -60.10 | 63.40 |
| 90 | 641.08R | 62.48 | 65.67 |
| 91 | 647.14 | 56.13 | 58.83 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 92.84 | -5.97 | 98.81 |
| 53 | 409.38 | 304.14 | -25.84 | 329.99 |
| 54 | 414.97 | 409.81 | -45.72 | 455.52 |
| 55 | 420.55 | 397.46 | -71.43 | 468.89 |
| 56 | 426.13 | 406.17 | -102.22 | 508.39 |
| 57 | 431.72 | 343.02 | -133.01 | 476.03 |
| 58 | 437.30 | 211.15 | -181.22 | 392.37 |

C174 (LC3) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 59.75 | -264.31 | 324.06 |
| 60 | 448.46 | 41.84 | -503.88 | 545.72 |
| 61 | 455.32 | 65.84 | -236.53 | 302.37 |
| 62 | 462.18 | 289.68 | -122.40 | 412.08 |
| 63 | 469.04 | 405.91 | -82.78 | 488.69 |
| 64 | 475.89 | 469.15 | -56.84 | 525.99 |
| 65 | 482.75 | 435.05 | -55.53 | 490.58 |
| 66 | 489.61 | 477.03 | -92.74 | 569.77 |
| 67 | 496.47 | 415.43 | -130.31 | 545.74 |
| 68 | 503.32 | 264.18 | -184.00 | 448.18 |
| 69 | 510.18 | 66.79 | -281.72 | 348.50 |
| 70 | 517.04 | 28.95 | -555.65 | 584.60 |
| 71 | 523.93 | 39.29 | -257.30 | 296.59 |
| 72 | 530.82 | 275.10 | -154.48 | 429.58 |
| 73 | 537.70 | 397.75 | -107.95 | 505.69 |
| 74 | 544.59 | 463.29 | -75.41 | 538.70 |
| 75 | 551.48 | 438.72 | -42.79 | 481.51 |
| 76 | 558.37 | 463.83 | -58.82 | 522.66 |
| 77 | 565.26 | 396.68 | -85.01 | 481.69 |
| 78 | 572.14 | 234.87 | -125.26 | 360.12 |
| 79 | 579.03 | 35.21 | -279.27 | 314.48 |
| 80 | 585.92 | 43.33 | -559.43 | 602.76 |
| 81 | 591.44 | 56.58 | -323.25 | 379.83 |
| 82 | 596.95 | 238.99 | -218.93 | 457.92 |
| 83 | 602.47 | 342.51 | -163.34 | 505.85 |
| 84 | 607.98 | 390.36 | -125.71 | 516.08 |
| 85 | 613.50 | 412.58 | -97.15 | 509.72 |
| 86 | 619.02 | 405.33 | -90.91 | 496.25 |
| 87 | 624.53 | 357.86 | -124.31 | 482.17 |
| 88 | 630.05 | 290.74 | -173.21 | 463.95 |
| 89 | 635.57 | 145.76 | -222.11 | 367.86 |
| 90 | 641.08 | 19.05 | -348.93 | 367.98 |
| 91 | 647.14 | 1.14 | -0.03 | 1.17 |

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 50.34 | 57.11 |
| 53 | 409.40 | 39.49 | 46.26 |
| 54 | 414.98 | 27.54 | 34.31 |
| 55 | 420.56 | 21.10 | 33.18 |
| 56 | 426.14 | -24.51 | 39.37 |
| 57 | 431.72 | -35.34 | 38.12 |
| 58 | 437.30 | -47.41 | 49.34 |
| 59 | 442.88 | -55.29 | 57.22 |
| 60 | 448.46L | -65.22 | 67.15 |
| 60 | 448.46R | 72.67 | 79.10 |
| 61 | 455.32 | 62.20 | 68.63 |
| 62 | 462.18 | 51.50 | 57.94 |
| 63 | 469.04 | 41.57 | 48.62 |
| 64 | 475.90 | 32.75 | 47.69 |
| 65 | 482.76 | 26.96 | 49.63 |
| 66 | 489.62 | -29.02 | 43.46 |
| 67 | 496.48 | -39.93 | 43.34 |
| 68 | 503.34 | -47.84 | 51.16 |
| 69 | 510.20 | -58.21 | 61.53 |
| 70 | 517.06L | -71.92 | 75.24 |
| 70 | 517.06R | 75.66 | 79.72 |
| 71 | 523.99 | 64.34 | 68.40 |
| 72 | 530.93 | 53.60 | 57.66 |
| 73 | 537.87 | 43.76 | 47.66 |
| 74 | 544.81 | 32.90 | 47.34 |
| 75 | 551.75 | 26.39 | 43.50 |
| 76 | 558.68 | -30.20 | 43.57 |
| 77 | 565.62 | -40.65 | 45.39 |
| 78 | 572.56 | -48.58 | 53.68 |
| 79 | 579.50 | -60.95 | 66.05 |
| 80 | 586.44L | -76.04 | 81.14 |
| 80 | 586.44R | 69.08 | 76.40 |
| 81 | 591.88 | 63.69 | 71.01 |
| 82 | 597.33 | 58.11 | 65.43 |
| 83 | 602.78 | 47.06 | 54.38 |
| 84 | 608.23 | 42.68 | 50.42 |
| 85 | 613.67 | 28.49 | 46.22 |
| 86 | 619.12 | -27.62 | 42.34 |
| 87 | 624.57 | -33.66 | 43.44 |
| 88 | 630.02 | -42.69 | 49.56 |
| 89 | 635.46 | -49.84 | 56.71 |
| 90 | 640.91L | -59.67 | 66.54 |
| 90 | 640.91R | 69.87 | 76.74 |
| 91 | 647.03 | 62.33 | 68.32 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.51 | -11.61 | 108.12 |
| 53 | 409.40 | 329.02 | -49.96 | 378.99 |
| 54 | 414.98 | 460.83 | -88.31 | 549.15 |
| 55 | 420.56 | 469.00 | -128.77 | 597.77 |
| 56 | 426.14 | 472.29 | -171.02 | 643.31 |
| 57 | 431.72 | 408.18 | -213.26 | 621.43 |
| 58 | 437.30 | 248.10 | -261.13 | 509.23 |

C174 (LC3) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 72.63 | -321.16 | 393.79 |
| 60 | 448.46 | 83.42 | -587.56 | 670.98 |
| 61 | 455.32 | 56.74 | -264.50 | 321.24 |
| 62 | 462.18 | 352.62 | -161.33 | 513.95 |
| 63 | 469.04 | 521.55 | -128.66 | 650.21 |
| 64 | 475.90 | 600.77 | -100.50 | 701.27 |
| 65 | 482.76 | 603.30 | -133.36 | 736.66 |
| 66 | 489.62 | 623.36 | -185.08 | 808.44 |
| 67 | 496.48 | 549.90 | -236.81 | 786.72 |
| 68 | 503.34 | 351.68 | -294.70 | 646.38 |
| 69 | 510.20 | 93.16 | -358.68 | 451.85 |
| 70 | 517.06 | 51.80 | -666.22 | 718.03 |
| 71 | 523.99 | 35.85 | -302.68 | 338.53 |
| 72 | 530.93 | 338.90 | -216.84 | 555.74 |
| 73 | 537.87 | 522.81 | -174.46 | 697.27 |
| 74 | 544.81 | 609.58 | -135.12 | 744.70 |
| 75 | 551.75 | 611.60 | -95.79 | 707.39 |
| 76 | 558.68 | 611.86 | -104.08 | 715.95 |
| 77 | 565.62 | 521.07 | -133.22 | 654.29 |
| 78 | 572.56 | 295.00 | -166.44 | 461.44 |
| 79 | 579.50 | 58.93 | -331.31 | 390.24 |
| 80 | 586.44 | 79.63 | -676.78 | 756.41 |
| 81 | 591.88 | 70.86 | -395.18 | 466.04 |
| 82 | 597.33 | 270.97 | -324.71 | 595.68 |
| 83 | 602.78 | 403.75 | -273.54 | 677.29 |
| 84 | 608.23 | 464.37 | -228.77 | 693.14 |
| 85 | 613.67 | 492.02 | -188.24 | 680.27 |
| 86 | 619.12 | 501.50 | -167.55 | 669.05 |
| 87 | 624.57 | 467.03 | -209.50 | 676.53 |
| 88 | 630.02 | 366.05 | -257.28 | 623.33 |
| 89 | 635.46 | 219.44 | -305.07 | 524.50 |
| 90 | 640.91 | 42.18 | -382.50 | 424.67 |
| 91 | 647.03 | 5.18 | -0.54 | 5.72 |

C174 (LC4) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 54.24 | 60.74 |
| 53 | 409.37 | 37.00 | 43.50 |
| 54 | 414.96 | 26.09 | 34.10 |
| 55 | 420.54 | 22.63 | 40.15 |
| 56 | 426.13 | -31.18 | 44.83 |
| 57 | 431.71 | -36.43 | 42.07 |
| 58 | 437.30 | -45.84 | 47.54 |
| 59 | 442.88 | -56.52 | 58.22 |
| 60 | 448.46L | -66.18 | 67.88 |
| 60 | 448.46R | 72.29 | 77.96 |
| 61 | 455.32 | 61.70 | 67.38 |
| 62 | 462.18 | 52.36 | 58.03 |
| 63 | 469.04 | 42.90 | 49.65 |
| 64 | 475.89 | 34.73 | 49.02 |
| 65 | 482.75 | 25.28 | 44.60 |
| 66 | 489.61 | -29.88 | 46.76 |
| 67 | 496.47 | -40.13 | 46.33 |
| 68 | 503.32 | -47.40 | 50.78 |
| 69 | 510.18 | -61.36 | 64.74 |
| 70 | 517.04L | -71.12 | 74.49 |
| 70 | 517.04R | 71.89 | 75.86 |
| 71 | 523.88 | 61.26 | 65.23 |
| 72 | 530.72 | 53.84 | 57.82 |
| 73 | 537.56 | 44.64 | 49.90 |
| 74 | 544.40 | 34.87 | 52.33 |
| 75 | 551.24 | -30.05 | 54.86 |
| 76 | 558.08 | -30.05 | 47.09 |
| 77 | 564.92 | -40.00 | 45.78 |
| 78 | 571.76 | -47.80 | 52.39 |
| 79 | 578.60 | -61.95 | 66.54 |
| 80 | 585.43L | -71.93 | 76.52 |
| 80 | 585.43R | 67.44 | 73.82 |
| 81 | 591.02 | 61.75 | 68.13 |
| 82 | 596.60 | 52.66 | 59.03 |
| 83 | 602.19 | 47.29 | 53.67 |
| 84 | 607.77 | 37.59 | 49.34 |
| 85 | 613.35 | 25.32 | 47.43 |
| 86 | 618.94 | -30.99 | 49.28 |
| 87 | 624.52 | -33.73 | 45.80 |
| 88 | 630.10 | -42.37 | 47.12 |
| 89 | 635.69 | -47.80 | 52.55 |
| 90 | 641.27L | -57.17 | 61.92 |
| 90 | 641.27R | 65.27 | 71.35 |
| 91 | 647.26 | 59.25 | 65.33 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.24 | -11.01 | 106.24 |
| 53 | 409.37 | 328.72 | -47.92 | 376.64 |
| 54 | 414.96 | 461.21 | -84.83 | 546.04 |
| 55 | 420.54 | 469.42 | -123.72 | 593.15 |
| 56 | 426.13 | 472.79 | -164.37 | 637.15 |
| 57 | 431.71 | 408.65 | -205.01 | 613.67 |
| 58 | 437.30 | 245.73 | -251.42 | 497.16 |

C174 (LC4) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 66.12 | -323.38 | 389.50 |
| 60 | 448.46 | 72.74 | -588.70 | 661.44 |
| 61 | 455.32 | 66.13 | -274.68 | 340.81 |
| 62 | 462.18 | 351.15 | -159.92 | 511.07 |
| 63 | 469.04 | 513.38 | -127.42 | 640.80 |
| 64 | 475.89 | 590.39 | -99.39 | 689.78 |
| 65 | 482.75 | 590.54 | -116.64 | 707.18 |
| 66 | 489.61 | 610.27 | -161.42 | 771.69 |
| 67 | 496.47 | 537.36 | -206.20 | 743.56 |
| 68 | 503.32 | 339.27 | -256.13 | 595.40 |
| 69 | 510.18 | 91.22 | -333.59 | 424.81 |
| 70 | 517.04 | 48.91 | -646.36 | 695.27 |
| 71 | 523.88 | 36.17 | -309.33 | 345.50 |
| 72 | 530.72 | 327.42 | -210.44 | 537.86 |
| 73 | 537.56 | 492.07 | -167.74 | 659.81 |
| 74 | 544.40 | 572.04 | -130.17 | 702.21 |
| 75 | 551.24 | 575.95 | -92.60 | 668.55 |
| 76 | 558.08 | 583.55 | -105.87 | 689.42 |
| 77 | 564.92 | 508.81 | -136.10 | 644.91 |
| 78 | 571.76 | 307.58 | -171.91 | 479.49 |
| 79 | 578.60 | 59.35 | -313.70 | 373.04 |
| 80 | 585.43 | 65.03 | -620.53 | 685.56 |
| 81 | 591.02 | 57.32 | -353.18 | 410.50 |
| 82 | 596.60 | 261.63 | -248.91 | 510.55 |
| 83 | 602.19 | 390.15 | -205.21 | 595.35 |
| 84 | 607.77 | 458.21 | -170.67 | 628.89 |
| 85 | 613.35 | 488.17 | -139.44 | 627.61 |
| 86 | 618.94 | 497.67 | -145.00 | 642.66 |
| 87 | 624.52 | 460.73 | -185.99 | 646.73 |
| 88 | 630.10 | 361.50 | -232.86 | 594.36 |
| 89 | 635.69 | 209.95 | -279.73 | 489.68 |
| 90 | 641.27 | 35.64 | -363.89 | 399.53 |
| 91 | 647.26 | 2.35 | -0.50 | 2.85 |

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 54.81 | 58.19 |
| 53 | 409.38 | 34.45 | 37.84 |
| 54 | 414.97 | 19.06 | 28.56 |
| 55 | 420.55 | 24.33 | 37.79 |
| 56 | 426.13 | -28.48 | 44.75 |
| 57 | 431.72 | -37.00 | 39.74 |
| 58 | 437.30 | -41.13 | 45.17 |
| 59 | 442.88 | -54.26 | 55.33 |
| 60 | 448.46L | -65.08 | 66.14 |
| 60 | 448.46R | 65.67 | 68.27 |
| 61 | 455.32 | 53.77 | 56.37 |
| 62 | 462.18 | 45.34 | 50.40 |
| 63 | 469.04 | 39.47 | 47.71 |
| 64 | 475.89 | 30.11 | 47.88 |
| 65 | 482.75 | -31.60 | 63.20 |
| 66 | 489.61 | -25.99 | 46.86 |
| 67 | 496.47 | -37.64 | 46.57 |
| 68 | 503.32 | -41.30 | 44.94 |
| 69 | 510.18 | -54.68 | 56.25 |
| 70 | 517.04L | -65.43 | 67.00 |
| 70 | 517.04R | 65.83 | 67.64 |
| 71 | 523.93 | 57.19 | 59.00 |
| 72 | 530.82 | 47.80 | 53.66 |
| 73 | 537.70 | 41.74 | 49.22 |
| 74 | 544.59 | 30.87 | 53.20 |
| 75 | 551.48 | -31.00 | 49.06 |
| 76 | 558.37 | -26.60 | 44.35 |
| 77 | 565.26 | -38.37 | 45.66 |
| 78 | 572.14 | -41.39 | 44.01 |
| 79 | 579.03 | -55.53 | 57.80 |
| 80 | 585.92L | -66.63 | 68.90 |
| 80 | 585.92R | 67.16 | 70.89 |
| 81 | 591.44 | 58.99 | 62.72 |
| 82 | 596.95 | 48.18 | 51.91 |
| 83 | 602.47 | 42.12 | 46.64 |
| 84 | 607.98 | 36.58 | 44.67 |
| 85 | 613.50 | 22.60 | 41.00 |
| 86 | 619.02 | -27.89 | 43.66 |
| 87 | 624.53 | -28.40 | 43.25 |
| 88 | 630.05 | -36.25 | 40.54 |
| 89 | 635.57 | -44.94 | 48.10 |
| 90 | 641.08L | -57.57 | 60.73 |
| 90 | 641.08R | 62.64 | 65.72 |
| 91 | 647.14 | 54.64 | 57.24 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 92.85 | -5.77 | 98.62 |
| 53 | 409.38 | 304.34 | -24.97 | 329.31 |
| 54 | 414.97 | 410.15 | -44.17 | 454.32 |
| 55 | 420.55 | 398.22 | -69.12 | 467.34 |
| 56 | 426.13 | 406.92 | -99.06 | 505.98 |
| 57 | 431.72 | 343.77 | -129.00 | 472.77 |
| 58 | 437.30 | 210.46 | -176.09 | 386.55 |

C174 (LC4) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 51.45 | -266.07 | 317.52 |
| 60 | 448.46 | 40.61 | -500.20 | 540.81 |
| 61 | 455.32 | 72.32 | -245.83 | 318.16 |
| 62 | 462.18 | 290.91 | -121.78 | 412.69 |
| 63 | 469.04 | 403.48 | -82.28 | 485.76 |
| 64 | 475.89 | 464.75 | -56.45 | 521.20 |
| 65 | 482.75 | 433.85 | -53.67 | 487.52 |
| 66 | 489.61 | 473.50 | -90.01 | 563.51 |
| 67 | 496.47 | 413.42 | -126.37 | 539.79 |
| 68 | 503.32 | 261.35 | -178.22 | 439.57 |
| 69 | 510.18 | 71.20 | -288.77 | 359.97 |
| 70 | 517.04 | 28.60 | -555.15 | 583.74 |
| 71 | 523.93 | 41.45 | -270.43 | 311.88 |
| 72 | 530.82 | 276.06 | -150.08 | 426.14 |
| 73 | 537.70 | 395.43 | -104.63 | 500.06 |
| 74 | 544.59 | 459.51 | -72.95 | 532.46 |
| 75 | 551.48 | 435.76 | -41.19 | 476.95 |
| 76 | 558.37 | 460.32 | -58.19 | 518.51 |
| 77 | 565.26 | 395.24 | -83.90 | 479.14 |
| 78 | 572.14 | 230.27 | -123.82 | 354.09 |
| 79 | 579.03 | 35.18 | -287.01 | 322.19 |
| 80 | 585.92 | 43.34 | -558.47 | 601.81 |
| 81 | 591.44 | 62.59 | -331.53 | 394.12 |
| 82 | 596.95 | 239.82 | -211.38 | 451.21 |
| 83 | 602.47 | 344.19 | -157.81 | 501.99 |
| 84 | 607.98 | 392.31 | -121.52 | 513.83 |
| 85 | 613.50 | 416.23 | -93.95 | 510.18 |
| 86 | 619.02 | 403.10 | -90.80 | 493.90 |
| 87 | 624.53 | 354.92 | -124.33 | 479.25 |
| 88 | 630.05 | 284.64 | -173.54 | 458.19 |
| 89 | 635.57 | 145.75 | -222.76 | 368.50 |
| 90 | 641.08 | 18.39 | -344.46 | 362.85 |
| 91 | 647.14 | 1.14 | -0.03 | 1.17 |

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 54.21 | 60.72 |
| 53 | 409.40 | 36.10 | 42.62 |
| 54 | 414.98 | 23.58 | 30.30 |
| 55 | 420.56 | 20.30 | 34.34 |
| 56 | 426.14 | -28.07 | 43.06 |
| 57 | 431.72 | -36.45 | 38.57 |
| 58 | 437.30 | -45.87 | 47.72 |
| 59 | 442.88 | -56.59 | 58.44 |
| 60 | 448.46L | -66.22 | 68.06 |
| 60 | 448.46R | 72.35 | 78.51 |
| 61 | 455.32 | 61.72 | 67.87 |
| 62 | 462.18 | 52.39 | 58.54 |
| 63 | 469.04 | 42.97 | 49.72 |
| 64 | 475.90 | 34.83 | 49.10 |
| 65 | 482.76 | 25.12 | 50.02 |
| 66 | 489.62 | -30.01 | 47.06 |
| 67 | 496.48 | -40.42 | 46.06 |
| 68 | 503.34 | -47.92 | 51.26 |
| 69 | 510.20 | -61.15 | 64.49 |
| 70 | 517.06L | -70.93 | 74.28 |
| 70 | 517.06R | 73.09 | 76.93 |
| 71 | 523.99 | 62.90 | 66.75 |
| 72 | 530.93 | 55.81 | 59.66 |
| 73 | 537.87 | 41.34 | 46.77 |
| 74 | 544.81 | 30.16 | 47.58 |
| 75 | 551.75 | 24.90 | 44.15 |
| 76 | 558.68 | -31.04 | 44.32 |
| 77 | 565.62 | -40.96 | 47.07 |
| 78 | 572.56 | -50.14 | 55.03 |
| 79 | 579.50 | -63.77 | 68.66 |
| 80 | 586.44L | -74.40 | 79.29 |
| 80 | 586.44R | 69.01 | 76.20 |
| 81 | 591.88 | 64.22 | 71.41 |
| 82 | 597.33 | 55.19 | 62.38 |
| 83 | 602.78 | 49.68 | 56.87 |
| 84 | 608.23 | 39.26 | 47.62 |
| 85 | 613.67 | 32.38 | 51.52 |
| 86 | 619.12 | -28.07 | 46.30 |
| 87 | 624.57 | -33.21 | 42.57 |
| 88 | 630.02 | -41.81 | 48.32 |
| 89 | 635.46 | -49.29 | 55.80 |
| 90 | 640.91L | -59.77 | 66.27 |
| 90 | 640.91R | 69.91 | 76.48 |
| 91 | 647.03 | 63.66 | 69.39 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.54 | -11.18 | 107.73 |
| 53 | 409.40 | 329.24 | -48.10 | 377.34 |
| 54 | 414.98 | 461.22 | -85.02 | 546.24 |
| 55 | 420.56 | 469.68 | -124.01 | 593.68 |
| 56 | 426.14 | 473.10 | -164.73 | 637.83 |
| 57 | 431.72 | 409.11 | -205.45 | 614.56 |
| 58 | 437.30 | 245.77 | -251.68 | 497.45 |

C174 (LC4) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 69.62 | -324.10 | 393.73 |
| 60 | 448.46 | 79.96 | -589.90 | 669.86 |
| 61 | 455.32 | 65.76 | -275.18 | 340.95 |
| 62 | 462.18 | 351.35 | -160.03 | 511.38 |
| 63 | 469.04 | 513.63 | -127.60 | 641.23 |
| 64 | 475.90 | 589.60 | -99.65 | 689.25 |
| 65 | 482.76 | 592.73 | -127.88 | 720.61 |
| 66 | 489.62 | 613.85 | -177.42 | 791.27 |
| 67 | 496.48 | 542.41 | -226.96 | 769.37 |
| 68 | 503.34 | 345.30 | -282.35 | 627.65 |
| 69 | 510.20 | 98.14 | -350.69 | 448.83 |
| 70 | 517.06 | 52.08 | -670.58 | 722.65 |
| 71 | 523.99 | 35.55 | -316.97 | 352.52 |
| 72 | 530.93 | 337.77 | -209.40 | 547.17 |
| 73 | 537.87 | 515.63 | -168.38 | 684.01 |
| 74 | 544.81 | 599.89 | -130.38 | 730.27 |
| 75 | 551.75 | 603.92 | -92.36 | 696.28 |
| 76 | 558.68 | 603.15 | -104.69 | 707.84 |
| 77 | 565.62 | 515.64 | -133.90 | 649.54 |
| 78 | 572.56 | 293.62 | -167.11 | 460.73 |
| 79 | 579.50 | 57.43 | -341.02 | 398.44 |
| 80 | 586.44 | 76.86 | -679.48 | 756.34 |
| 81 | 591.88 | 74.96 | -405.06 | 480.01 |
| 82 | 597.33 | 269.56 | -313.06 | 582.62 |
| 83 | 602.78 | 400.99 | -263.73 | 664.72 |
| 84 | 608.23 | 468.21 | -220.56 | 688.77 |
| 85 | 613.67 | 498.18 | -181.50 | 679.68 |
| 86 | 619.12 | 491.81 | -163.26 | 655.07 |
| 87 | 624.57 | 459.95 | -204.17 | 664.12 |
| 88 | 630.02 | 359.61 | -250.83 | 610.44 |
| 89 | 635.46 | 203.21 | -297.48 | 500.69 |
| 90 | 640.91 | 40.38 | -380.91 | 421.29 |
| 91 | 647.03 | 5.18 | -0.52 | 5.69 |

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 53.89 | 60.11 |
| 53 | 409.37 | 43.14 | 49.36 |
| 54 | 414.96 | 31.07 | 40.15 |
| 55 | 420.54 | 23.75 | 42.13 |
| 56 | 426.13 | -31.62 | 47.48 |
| 57 | 431.71 | -35.61 | 42.69 |
| 58 | 437.30 | -47.25 | 48.88 |
| 59 | 442.88 | -56.24 | 57.87 |
| 60 | 448.46L | -64.06 | 65.68 |
| 60 | 448.46R | 68.56 | 74.00 |
| 61 | 455.32 | 58.86 | 64.30 |
| 62 | 462.18 | 49.60 | 55.03 |
| 63 | 469.04 | 43.99 | 50.47 |
| 64 | 475.89 | 32.17 | 49.04 |
| 65 | 482.75 | 26.91 | 46.86 |
| 66 | 489.61 | -30.70 | 49.81 |
| 67 | 496.47 | -40.28 | 45.55 |
| 68 | 503.32 | -47.43 | 50.76 |
| 69 | 510.18 | -58.59 | 61.92 |
| 70 | 517.04L | -68.50 | 71.83 |
| 70 | 517.04R | 68.85 | 72.58 |
| 71 | 523.88 | 59.41 | 63.14 |
| 72 | 530.72 | 50.77 | 54.50 |
| 73 | 537.56 | 42.32 | 46.82 |
| 74 | 544.40 | 32.05 | 48.30 |
| 75 | 551.24 | -30.65 | 55.83 |
| 76 | 558.08 | -30.65 | 45.20 |
| 77 | 564.92 | -40.00 | 45.50 |
| 78 | 571.76 | -46.73 | 51.15 |
| 79 | 578.60 | -57.79 | 62.21 |
| 80 | 585.43L | -68.26 | 72.68 |
| 80 | 585.43R | 65.68 | 71.98 |
| 81 | 591.02 | 62.87 | 69.17 |
| 82 | 596.60 | 54.88 | 61.18 |
| 83 | 602.19 | 44.11 | 50.41 |
| 84 | 607.77 | 40.40 | 53.61 |
| 85 | 613.35 | 28.28 | 51.31 |
| 86 | 618.94 | -30.78 | 46.08 |
| 87 | 624.52 | -33.24 | 45.30 |
| 88 | 630.10 | -41.85 | 46.41 |
| 89 | 635.69 | -48.61 | 53.17 |
| 90 | 641.27L | -58.04 | 62.59 |
| 90 | 641.27R | 65.91 | 71.74 |
| 91 | 647.26 | 58.08 | 63.91 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.27 | -10.58 | 105.85 |
| 53 | 409.37 | 328.88 | -46.06 | 374.94 |
| 54 | 414.96 | 461.49 | -81.54 | 543.03 |
| 55 | 420.54 | 470.04 | -118.96 | 589.00 |
| 56 | 426.13 | 473.52 | -158.08 | 631.61 |
| 57 | 431.71 | 409.51 | -197.21 | 606.72 |
| 58 | 437.30 | 248.35 | -241.97 | 490.32 |

C174 (LC5) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 75.86 | -326.95 | 402.82 |
| 60 | 448.46 | 70.58 | -588.20 | 658.78 |
| 61 | 455.32 | 73.25 | -281.83 | 355.07 |
| 62 | 462.18 | 350.08 | -158.72 | 508.79 |
| 63 | 469.04 | 505.82 | -126.44 | 632.26 |
| 64 | 475.89 | 580.96 | -98.60 | 679.57 |
| 65 | 482.75 | 588.91 | -113.11 | 702.01 |
| 66 | 489.61 | 604.43 | -156.61 | 761.05 |
| 67 | 496.47 | 531.28 | -200.12 | 731.40 |
| 68 | 503.32 | 337.84 | -248.70 | 586.54 |
| 69 | 510.18 | 97.98 | -344.57 | 442.54 |
| 70 | 517.04 | 49.30 | -646.68 | 695.98 |
| 71 | 523.88 | 40.69 | -314.96 | 355.65 |
| 72 | 530.72 | 326.26 | -203.76 | 530.02 |
| 73 | 537.56 | 486.03 | -162.34 | 648.37 |
| 74 | 544.40 | 565.19 | -125.93 | 691.13 |
| 75 | 551.24 | 572.31 | -89.54 | 661.85 |
| 76 | 558.08 | 576.77 | -106.70 | 683.47 |
| 77 | 564.92 | 502.64 | -137.17 | 639.81 |
| 78 | 571.76 | 307.11 | -173.25 | 480.35 |
| 79 | 578.60 | 64.44 | -320.57 | 385.02 |
| 80 | 585.43 | 62.92 | -622.82 | 685.74 |
| 81 | 591.02 | 63.30 | -358.08 | 421.38 |
| 82 | 596.60 | 261.03 | -239.98 | 501.01 |
| 83 | 602.19 | 387.75 | -197.73 | 585.48 |
| 84 | 607.77 | 461.94 | -164.40 | 626.34 |
| 85 | 613.35 | 494.25 | -134.29 | 628.54 |
| 86 | 618.94 | 494.73 | -141.95 | 636.69 |
| 87 | 624.52 | 456.18 | -182.13 | 638.32 |
| 88 | 630.10 | 358.09 | -228.10 | 586.19 |
| 89 | 635.69 | 209.38 | -274.06 | 483.43 |
| 90 | 641.27 | 34.30 | -362.62 | 396.93 |
| 91 | 647.26 | 2.34 | -0.48 | 2.82 |

C174 (LC5) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 52.44 | 55.69 |
| 53 | 409.38 | 39.73 | 42.98 |
| 54 | 414.97 | 26.46 | 33.91 |
| 55 | 420.55 | 25.61 | 38.31 |
| 56 | 426.13 | -24.85 | 41.65 |
| 57 | 431.72 | -33.51 | 41.03 |
| 58 | 437.30 | -42.23 | 44.34 |
| 59 | 442.88 | -50.95 | 51.97 |
| 60 | 448.46L | -62.20 | 63.22 |
| 60 | 448.46R | 62.83 | 65.32 |
| 61 | 455.32 | 53.79 | 56.28 |
| 62 | 462.18 | 41.79 | 50.18 |
| 63 | 469.04 | 40.77 | 48.62 |
| 64 | 475.89 | 27.23 | 48.21 |
| 65 | 482.75 | 30.42 | 60.68 |
| 66 | 489.61 | -26.66 | 49.62 |
| 67 | 496.47 | -37.28 | 44.21 |
| 68 | 503.32 | -41.18 | 43.68 |
| 69 | 510.18 | -53.07 | 54.61 |
| 70 | 517.04L | -63.63 | 65.18 |
| 70 | 517.04R | 64.58 | 66.28 |
| 71 | 523.93 | 55.32 | 57.02 |
| 72 | 530.82 | 44.03 | 48.23 |
| 73 | 537.70 | 38.95 | 45.49 |
| 74 | 544.59 | 27.68 | 48.29 |
| 75 | 551.48 | -28.62 | 44.19 |
| 76 | 558.37 | -26.93 | 46.02 |
| 77 | 565.26 | -37.32 | 44.30 |
| 78 | 572.14 | -41.28 | 43.84 |
| 79 | 579.03 | -53.00 | 55.19 |
| 80 | 585.92L | -64.44 | 66.63 |
| 80 | 585.92R | 64.79 | 68.34 |
| 81 | 591.44 | 60.09 | 63.64 |
| 82 | 596.95 | 50.64 | 54.19 |
| 83 | 602.47 | 38.70 | 44.63 |
| 84 | 607.98 | 39.70 | 48.85 |
| 85 | 613.50 | 26.28 | 45.71 |
| 86 | 619.02 | -28.15 | 43.16 |
| 87 | 624.53 | -27.78 | 42.01 |
| 88 | 630.05 | -35.82 | 38.90 |
| 89 | 635.57 | -44.44 | 47.47 |
| 90 | 641.08L | -57.95 | 60.98 |
| 90 | 641.08R | 62.51 | 65.47 |
| 91 | 647.14 | 57.09 | 59.57 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 92.85 | -5.56 | 98.41 |
| 53 | 409.38 | 304.40 | -24.07 | 328.47 |
| 54 | 414.97 | 411.69 | -42.58 | 454.27 |
| 55 | 420.55 | 398.84 | -66.74 | 465.58 |
| 56 | 426.13 | 407.55 | -95.82 | 503.38 |
| 57 | 431.72 | 344.41 | -124.91 | 469.32 |
| 58 | 437.30 | 208.74 | -170.86 | 379.60 |

C174 (LC5) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 62.37 | -267.55 | 329.92 |
| 60 | 448.46 | 39.52 | -497.51 | 537.03 |
| 61 | 455.32 | 79.26 | -251.65 | 330.91 |
| 62 | 462.18 | 292.01 | -121.20 | 413.21 |
| 63 | 469.04 | 401.39 | -81.83 | 483.22 |
| 64 | 475.89 | 460.99 | -56.09 | 517.08 |
| 65 | 482.75 | 433.05 | -52.00 | 485.05 |
| 66 | 489.61 | 471.28 | -87.58 | 558.85 |
| 67 | 496.47 | 412.08 | -123.17 | 535.25 |
| 68 | 503.32 | 259.80 | -174.06 | 433.86 |
| 69 | 510.18 | 79.50 | -298.06 | 377.56 |
| 70 | 517.04 | 28.96 | -552.28 | 581.24 |
| 71 | 523.93 | 50.01 | -275.43 | 325.44 |
| 72 | 530.82 | 277.05 | -146.19 | 423.25 |
| 73 | 537.70 | 393.84 | -101.69 | 495.53 |
| 74 | 544.59 | 456.65 | -70.76 | 527.41 |
| 75 | 551.48 | 433.91 | -39.75 | 473.66 |
| 76 | 558.37 | 457.75 | -58.95 | 516.70 |
| 77 | 565.26 | 394.01 | -84.91 | 478.91 |
| 78 | 572.14 | 235.56 | -125.22 | 360.78 |
| 79 | 579.03 | 40.69 | -291.47 | 332.16 |
| 80 | 585.92 | 40.97 | -556.97 | 597.94 |
| 81 | 591.44 | 67.41 | -336.46 | 403.88 |
| 82 | 596.95 | 240.22 | -205.35 | 445.58 |
| 83 | 602.47 | 340.37 | -152.98 | 493.35 |
| 84 | 607.98 | 394.31 | -117.61 | 511.92 |
| 85 | 613.50 | 419.97 | -90.82 | 510.79 |
| 86 | 619.02 | 401.44 | -85.80 | 487.24 |
| 87 | 624.53 | 352.73 | -117.54 | 470.27 |
| 88 | 630.05 | 280.01 | -164.17 | 444.18 |
| 89 | 635.57 | 154.66 | -210.80 | 365.46 |
| 90 | 641.08 | 17.76 | -339.55 | 357.31 |
| 91 | 647.14 | 1.14 | -0.03 | 1.17 |

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 53.82 | 60.05 |
| 53 | 409.40 | 43.06 | 49.29 |
| 54 | 414.98 | 31.00 | 37.23 |
| 55 | 420.56 | 23.74 | 37.73 |
| 56 | 426.14 | -25.92 | 41.77 |
| 57 | 431.72 | -35.03 | 42.10 |
| 58 | 437.30 | -47.29 | 49.05 |
| 59 | 442.88 | -54.93 | 56.70 |
| 60 | 448.46L | -64.10 | 65.87 |
| 60 | 448.46R | 68.66 | 74.56 |
| 61 | 455.32 | 58.87 | 64.77 |
| 62 | 462.18 | 49.64 | 55.54 |
| 63 | 469.04 | 44.06 | 50.54 |
| 64 | 475.90 | 32.27 | 49.11 |
| 65 | 482.76 | 27.08 | 52.40 |
| 66 | 489.62 | -30.88 | 50.15 |
| 67 | 496.48 | -40.61 | 44.94 |
| 68 | 503.34 | -47.99 | 51.29 |
| 69 | 510.20 | -58.39 | 61.68 |
| 70 | 517.06L | -68.44 | 71.73 |
| 70 | 517.06R | 71.85 | 75.54 |
| 71 | 523.99 | 61.05 | 64.75 |
| 72 | 530.93 | 52.87 | 56.56 |
| 73 | 537.87 | 43.57 | 48.21 |
| 74 | 544.81 | 33.40 | 49.39 |
| 75 | 551.75 | 26.83 | 46.10 |
| 76 | 558.68 | -31.70 | 46.43 |
| 77 | 565.62 | -41.16 | 47.09 |
| 78 | 572.56 | -48.64 | 53.35 |
| 79 | 579.50 | -59.66 | 64.37 |
| 80 | 586.44L | -72.47 | 77.17 |
| 80 | 586.44R | 68.15 | 75.06 |
| 81 | 591.88 | 64.31 | 71.22 |
| 82 | 597.33 | 57.52 | 64.43 |
| 83 | 602.78 | 46.43 | 53.34 |
| 84 | 608.23 | 42.35 | 52.35 |
| 85 | 613.67 | 29.23 | 49.75 |
| 86 | 619.12 | -28.52 | 50.84 |
| 87 | 624.57 | -32.76 | 42.35 |
| 88 | 630.02 | -41.46 | 47.69 |
| 89 | 635.46 | -49.21 | 55.44 |
| 90 | 640.91L | -60.69 | 66.91 |
| 90 | 640.91R | 67.47 | 73.74 |
| 91 | 647.03 | 59.82 | 65.28 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.57 | -10.73 | 107.31 |
| 53 | 409.40 | 329.40 | -46.17 | 375.56 |
| 54 | 414.98 | 461.49 | -81.60 | 543.09 |
| 55 | 420.56 | 470.29 | -119.05 | 589.34 |
| 56 | 426.14 | 473.83 | -158.19 | 632.02 |
| 57 | 431.72 | 409.96 | -197.33 | 607.29 |
| 58 | 437.30 | 248.62 | -241.85 | 490.47 |

C174 (LC5) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 75.96 | -327.68 | 403.64 |
| 60 | 448.46 | 77.59 | -589.39 | 666.99 |
| 61 | 455.32 | 73.06 | -282.36 | 355.42 |
| 62 | 462.18 | 350.26 | -158.84 | 509.10 |
| 63 | 469.04 | 505.80 | -126.62 | 632.41 |
| 64 | 475.90 | 579.67 | -98.87 | 678.54 |
| 65 | 482.76 | 591.09 | -124.03 | 715.11 |
| 66 | 489.62 | 607.95 | -172.16 | 780.11 |
| 67 | 496.48 | 536.19 | -220.30 | 756.49 |
| 68 | 503.34 | 343.67 | -274.19 | 617.86 |
| 69 | 510.20 | 104.68 | -361.90 | 466.58 |
| 70 | 517.06 | 52.78 | -671.20 | 723.98 |
| 71 | 523.99 | 35.27 | -323.44 | 358.71 |
| 72 | 530.93 | 336.93 | -202.73 | 539.65 |
| 73 | 537.87 | 509.49 | -162.94 | 672.43 |
| 74 | 544.81 | 592.09 | -126.11 | 718.21 |
| 75 | 551.75 | 599.57 | -89.29 | 688.86 |
| 76 | 558.68 | 596.31 | -106.11 | 702.41 |
| 77 | 565.62 | 510.02 | -135.70 | 645.72 |
| 78 | 572.56 | 295.28 | -169.33 | 464.62 |
| 79 | 579.50 | 55.17 | -347.90 | 403.08 |
| 80 | 586.44 | 74.37 | -682.66 | 757.03 |
| 81 | 591.88 | 80.03 | -410.80 | 490.83 |
| 82 | 597.33 | 268.88 | -301.72 | 570.60 |
| 83 | 602.78 | 398.23 | -254.05 | 652.28 |
| 84 | 608.23 | 472.07 | -212.39 | 684.46 |
| 85 | 613.67 | 504.56 | -174.74 | 679.30 |
| 86 | 619.12 | 485.84 | -156.84 | 642.67 |
| 87 | 624.57 | 455.34 | -196.17 | 651.51 |
| 88 | 630.02 | 342.99 | -241.09 | 584.08 |
| 89 | 635.46 | 208.06 | -286.01 | 494.07 |
| 90 | 640.91 | 38.70 | -379.14 | 417.83 |
| 91 | 647.03 | 5.17 | -0.49 | 5.67 |

C174 (LC6) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.79 | 50.35 | 56.31 |
| 53 | 409.37 | 39.11 | 45.07 |
| 54 | 414.96 | 27.21 | 37.24 |
| 55 | 420.54 | 22.68 | 41.73 |
| 56 | 426.13 | -31.84 | 45.54 |
| 57 | 431.71 | -36.56 | 42.52 |
| 58 | 437.30 | -45.42 | 46.99 |
| 59 | 442.88 | -55.97 | 57.54 |
| 60 | 448.46L | -65.10 | 66.68 |
| 60 | 448.46R | 68.75 | 73.99 |
| 61 | 455.32 | 59.33 | 64.57 |
| 62 | 462.18 | 50.43 | 55.67 |
| 63 | 469.04 | 45.07 | 51.34 |
| 64 | 475.89 | 33.64 | 49.69 |
| 65 | 482.75 | 28.50 | 49.43 |
| 66 | 489.61 | -31.25 | 47.85 |
| 67 | 496.47 | -40.39 | 47.62 |
| 68 | 503.32 | -47.35 | 50.59 |
| 69 | 510.18 | -56.38 | 59.63 |
| 70 | 517.04L | -68.06 | 71.30 |
| 70 | 517.04R | 68.32 | 71.99 |
| 71 | 523.88 | 60.34 | 64.01 |
| 72 | 530.72 | 53.10 | 56.76 |
| 73 | 537.56 | 44.16 | 47.86 |
| 74 | 544.40 | 34.86 | 52.04 |
| 75 | 551.24 | -31.16 | 57.00 |
| 76 | 558.08 | -31.16 | 48.76 |
| 77 | 564.92 | -40.12 | 46.29 |
| 78 | 571.76 | -46.61 | 50.90 |
| 79 | 578.60 | -55.52 | 59.80 |
| 80 | 585.43L | -68.18 | 72.46 |
| 80 | 585.43R | 66.55 | 72.60 |
| 81 | 591.02 | 60.60 | 66.66 |
| 82 | 596.60 | 51.90 | 57.96 |
| 83 | 602.19 | 46.48 | 52.53 |
| 84 | 607.77 | 37.08 | 51.65 |
| 85 | 613.35 | 31.17 | 54.60 |
| 86 | 618.94 | -30.43 | 49.30 |
| 87 | 624.52 | -32.73 | 44.08 |
| 88 | 630.10 | -41.37 | 45.76 |
| 89 | 635.69 | -47.21 | 51.60 |
| 90 | 641.27L | -58.91 | 63.29 |
| 90 | 641.27R | 63.79 | 69.40 |
| 91 | 647.26 | 58.25 | 63.85 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.29 | -10.25 | 105.54 |
| 53 | 409.37 | 329.03 | -44.62 | 373.66 |
| 54 | 414.96 | 461.76 | -79.00 | 540.76 |
| 55 | 420.54 | 470.58 | -115.28 | 585.85 |
| 56 | 426.13 | 474.17 | -153.23 | 627.41 |
| 57 | 431.71 | 410.27 | -191.19 | 601.46 |
| 58 | 437.30 | 253.35 | -234.68 | 488.04 |

C174 (LC6) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 78.40 | -331.45 | 409.86 |
| 60 | 448.46 | 68.61 | -582.28 | 650.89 |
| 61 | 455.32 | 83.14 | -287.24 | 370.39 |
| 62 | 462.18 | 349.09 | -157.63 | 506.71 |
| 63 | 469.04 | 500.02 | -125.54 | 625.56 |
| 64 | 475.89 | 574.45 | -97.89 | 672.34 |
| 65 | 482.75 | 587.48 | -109.89 | 697.37 |
| 66 | 489.61 | 599.69 | -152.25 | 751.94 |
| 67 | 496.47 | 525.96 | -194.61 | 720.57 |
| 68 | 503.32 | 336.57 | -241.96 | 578.53 |
| 69 | 510.18 | 105.65 | -352.34 | 457.99 |
| 70 | 517.04 | 49.96 | -647.98 | 697.95 |
| 71 | 523.88 | 48.99 | -321.83 | 370.82 |
| 72 | 530.72 | 325.27 | -197.86 | 523.13 |
| 73 | 537.56 | 480.62 | -157.57 | 638.19 |
| 74 | 544.40 | 559.36 | -122.19 | 681.56 |
| 75 | 551.24 | 569.30 | -86.83 | 656.13 |
| 76 | 558.08 | 571.62 | -108.13 | 679.75 |
| 77 | 564.92 | 498.10 | -138.99 | 637.09 |
| 78 | 571.76 | 306.73 | -175.52 | 482.25 |
| 79 | 578.60 | 73.72 | -326.13 | 399.85 |
| 80 | 585.43 | 61.05 | -623.80 | 684.86 |
| 81 | 591.02 | 69.26 | -364.01 | 433.27 |
| 82 | 596.60 | 260.74 | -233.22 | 493.96 |
| 83 | 602.19 | 387.21 | -192.06 | 579.28 |
| 84 | 607.77 | 465.67 | -159.65 | 625.31 |
| 85 | 613.35 | 500.34 | -130.37 | 630.72 |
| 86 | 618.94 | 492.26 | -136.43 | 628.69 |
| 87 | 624.52 | 453.77 | -175.11 | 628.88 |
| 88 | 630.10 | 350.48 | -219.40 | 569.88 |
| 89 | 635.69 | 198.69 | -263.69 | 462.38 |
| 90 | 641.27 | 33.32 | -361.06 | 394.37 |
| 91 | 647.26 | 2.33 | -0.47 | 2.80 |

C174 (LC6) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 47.69 | 50.80 |
| 53 | 409.38 | 35.37 | 38.48 |
| 54 | 414.97 | 22.53 | 30.66 |
| 55 | 420.55 | 25.69 | 39.16 |
| 56 | 426.13 | -25.22 | 41.44 |
| 57 | 431.72 | -34.88 | 39.92 |
| 58 | 437.30 | -40.52 | 43.17 |
| 59 | 442.88 | -51.06 | 52.06 |
| 60 | 448.46L | -63.65 | 64.65 |
| 60 | 448.46R | 63.62 | 66.02 |
| 61 | 455.32 | 54.46 | 56.87 |
| 62 | 462.18 | 42.71 | 50.25 |
| 63 | 469.04 | 42.07 | 49.58 |
| 64 | 475.89 | 28.78 | 48.66 |
| 65 | 482.75 | 31.28 | 62.44 |
| 66 | 489.61 | -27.10 | 46.90 |
| 67 | 496.47 | -37.33 | 47.25 |
| 68 | 503.32 | -40.93 | 44.30 |
| 69 | 510.18 | -52.65 | 54.16 |
| 70 | 517.04L | -64.76 | 66.27 |
| 70 | 517.04R | 64.59 | 66.31 |
| 71 | 523.93 | 55.80 | 57.53 |
| 72 | 530.82 | 46.65 | 49.55 |
| 73 | 537.70 | 41.02 | 46.58 |
| 74 | 544.59 | 30.64 | 51.80 |
| 75 | 551.48 | -28.63 | 47.55 |
| 76 | 558.37 | -27.35 | 48.71 |
| 77 | 565.26 | -37.40 | 46.56 |
| 78 | 572.14 | -41.06 | 45.90 |
| 79 | 579.03 | -52.44 | 54.56 |
| 80 | 585.92L | -65.35 | 67.47 |
| 80 | 585.92R | 65.90 | 69.47 |
| 81 | 591.44 | 57.40 | 60.96 |
| 82 | 596.95 | 47.12 | 50.68 |
| 83 | 602.47 | 41.09 | 47.19 |
| 84 | 607.98 | 35.92 | 46.21 |
| 85 | 613.50 | 29.37 | 49.55 |
| 86 | 619.02 | -28.06 | 44.54 |
| 87 | 624.53 | -27.17 | 42.67 |
| 88 | 630.05 | -35.62 | 41.87 |
| 89 | 635.57 | -45.29 | 48.21 |
| 90 | 641.08L | -59.21 | 62.13 |
| 90 | 641.08R | 60.27 | 63.14 |
| 91 | 647.14 | 53.57 | 55.97 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 92.85 | -5.40 | 98.25 |
| 53 | 409.38 | 304.45 | -23.37 | 327.82 |
| 54 | 414.97 | 410.35 | -41.34 | 451.69 |
| 55 | 420.55 | 399.29 | -64.90 | 464.19 |
| 56 | 426.13 | 408.04 | -93.32 | 501.36 |
| 57 | 431.72 | 344.93 | -121.75 | 466.68 |
| 58 | 437.30 | 215.75 | -166.86 | 382.61 |

C174 (LC6) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 66.32 | -269.26 | 335.58 |
| 60 | 448.46 | 38.53 | -489.16 | 527.69 |
| 61 | 455.32 | 86.56 | -255.94 | 342.50 |
| 62 | 462.18 | 293.21 | -120.71 | 413.92 |
| 63 | 469.04 | 399.70 | -81.43 | 481.13 |
| 64 | 475.89 | 458.12 | -55.77 | 513.89 |
| 65 | 482.75 | 432.35 | -50.48 | 482.83 |
| 66 | 489.61 | 469.44 | -85.38 | 554.81 |
| 67 | 496.47 | 410.86 | -120.29 | 531.15 |
| 68 | 503.32 | 264.80 | -170.34 | 435.14 |
| 69 | 510.18 | 86.20 | -304.13 | 390.33 |
| 70 | 517.04 | 29.33 | -550.52 | 579.85 |
| 71 | 523.93 | 57.13 | -278.40 | 335.53 |
| 72 | 530.82 | 278.09 | -142.81 | 420.90 |
| 73 | 537.70 | 392.37 | -99.11 | 491.47 |
| 74 | 544.59 | 454.25 | -68.83 | 523.07 |
| 75 | 551.48 | 432.38 | -38.47 | 470.85 |
| 76 | 558.37 | 455.55 | -59.71 | 515.26 |
| 77 | 565.26 | 393.04 | -85.95 | 478.98 |
| 78 | 572.14 | 235.17 | -126.66 | 361.83 |
| 79 | 579.03 | 48.51 | -295.01 | 343.52 |
| 80 | 585.92 | 41.28 | -553.95 | 595.23 |
| 81 | 591.44 | 73.44 | -335.78 | 409.22 |
| 82 | 596.95 | 240.36 | -200.79 | 441.16 |
| 83 | 602.47 | 340.43 | -149.30 | 489.73 |
| 84 | 607.98 | 396.31 | -114.62 | 510.94 |
| 85 | 613.50 | 423.73 | -88.42 | 512.15 |
| 86 | 619.02 | 400.09 | -86.28 | 486.37 |
| 87 | 624.53 | 351.42 | -118.40 | 469.82 |
| 88 | 630.05 | 281.65 | -165.75 | 447.41 |
| 89 | 635.57 | 142.82 | -213.11 | 355.93 |
| 90 | 641.08 | 17.31 | -333.65 | 350.96 |
| 91 | 647.14 | 1.13 | -0.03 | 1.16 |

C174 (LC6) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 49.86 | 55.81 |
| 53 | 409.40 | 39.03 | 44.98 |
| 54 | 414.98 | 27.14 | 33.85 |
| 55 | 420.56 | 21.47 | 36.40 |
| 56 | 426.14 | -26.45 | 41.49 |
| 57 | 431.72 | -36.58 | 41.25 |
| 58 | 437.30 | -45.46 | 47.16 |
| 59 | 442.88 | -55.11 | 56.81 |
| 60 | 448.46L | -65.15 | 66.86 |
| 60 | 448.46R | 68.82 | 74.50 |
| 61 | 455.32 | 59.34 | 65.02 |
| 62 | 462.18 | 50.47 | 56.15 |
| 63 | 469.04 | 45.14 | 51.40 |
| 64 | 475.90 | 33.73 | 49.76 |
| 65 | 482.76 | 28.93 | 55.25 |
| 66 | 489.62 | -31.50 | 48.26 |
| 67 | 496.48 | -40.74 | 48.13 |
| 68 | 503.34 | -47.95 | 51.16 |
| 69 | 510.20 | -57.02 | 60.24 |
| 70 | 517.06L | -67.94 | 71.16 |
| 70 | 517.06R | 70.47 | 74.24 |
| 71 | 523.99 | 62.04 | 65.80 |
| 72 | 530.93 | 55.07 | 58.83 |
| 73 | 537.87 | 45.43 | 49.25 |
| 74 | 544.81 | 36.22 | 53.18 |
| 75 | 551.75 | 30.21 | 50.37 |
| 76 | 558.68 | -32.21 | 50.20 |
| 77 | 565.62 | -41.30 | 47.84 |
| 78 | 572.56 | -49.48 | 54.05 |
| 79 | 579.50 | -62.52 | 67.09 |
| 80 | 586.44L | -71.73 | 76.29 |
| 80 | 586.44R | 68.91 | 75.89 |
| 81 | 591.88 | 63.08 | 70.06 |
| 82 | 597.33 | 54.56 | 61.54 |
| 83 | 602.78 | 48.99 | 55.97 |
| 84 | 608.23 | 38.90 | 50.35 |
| 85 | 613.67 | 32.59 | 54.03 |
| 86 | 619.12 | -28.27 | 47.37 |
| 87 | 624.57 | -32.31 | 46.09 |
| 88 | 630.02 | -41.39 | 47.40 |
| 89 | 635.46 | -48.54 | 54.55 |
| 90 | 640.91L | -57.96 | 63.96 |
| 90 | 640.91R | 65.97 | 72.00 |
| 91 | 647.03 | 59.77 | 65.03 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.60 | -10.38 | 106.98 |
| 53 | 409.40 | 329.55 | -44.67 | 374.22 |
| 54 | 414.98 | 461.76 | -78.96 | 540.72 |
| 55 | 420.56 | 470.82 | -115.22 | 586.04 |
| 56 | 426.14 | 474.47 | -153.15 | 627.62 |
| 57 | 431.72 | 410.72 | -191.08 | 601.79 |
| 58 | 437.30 | 253.60 | -234.28 | 487.88 |

C174 (LC6) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 78.48 | -332.19 | 410.67 |
| 60 | 448.46 | 75.46 | -583.62 | 659.08 |
| 61 | 455.32 | 83.27 | -287.81 | 371.08 |
| 62 | 462.18 | 349.25 | -157.75 | 507.00 |
| 63 | 469.04 | 499.79 | -125.73 | 625.52 |
| 64 | 475.90 | 572.39 | -98.16 | 670.55 |
| 65 | 482.76 | 589.64 | -120.55 | 710.19 |
| 66 | 489.62 | 603.15 | -167.42 | 770.57 |
| 67 | 496.48 | 530.74 | -214.30 | 745.03 |
| 68 | 503.34 | 342.20 | -266.83 | 609.03 |
| 69 | 510.20 | 112.02 | -370.44 | 482.45 |
| 70 | 517.06 | 53.50 | -674.01 | 727.51 |
| 71 | 523.99 | 40.83 | -329.62 | 370.44 |
| 72 | 530.93 | 336.12 | -196.84 | 532.96 |
| 73 | 537.87 | 504.06 | -158.13 | 662.19 |
| 74 | 544.81 | 586.04 | -122.35 | 708.39 |
| 75 | 551.75 | 596.48 | -86.57 | 683.05 |
| 76 | 558.68 | 590.64 | -107.56 | 698.20 |
| 77 | 565.62 | 505.66 | -137.54 | 643.20 |
| 78 | 572.56 | 295.08 | -171.60 | 466.68 |
| 79 | 579.50 | 55.31 | -355.07 | 410.38 |
| 80 | 586.44 | 72.17 | -685.28 | 757.45 |
| 81 | 591.88 | 85.08 | -419.01 | 504.09 |
| 82 | 597.33 | 268.37 | -292.78 | 561.15 |
| 83 | 602.78 | 399.66 | -246.40 | 646.06 |
| 84 | 608.23 | 476.02 | -205.93 | 681.95 |
| 85 | 613.67 | 511.04 | -169.39 | 680.43 |
| 86 | 619.12 | 482.47 | -157.22 | 639.69 |
| 87 | 624.57 | 452.37 | -196.69 | 649.06 |
| 88 | 630.02 | 344.14 | -241.82 | 585.96 |
| 89 | 635.46 | 191.63 | -286.95 | 478.58 |
| 90 | 640.91 | 37.47 | -377.51 | 414.98 |
| 91 | 647.03 | 5.17 | -0.48 | 5.65 |

C198 Service Loads

(LC for Variable Axel Spacing)

C198 (LC1) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 53.01 | 59.82 |
| 53 | 409.37 | 40.27 | 47.08 |
| 54 | 414.96 | 26.69 | 33.50 |
| 55 | 420.54 | 21.03 | 35.28 |
| 56 | 426.13 | -27.97 | 42.55 |
| 57 | 431.71 | -33.73 | 36.91 |
| 58 | 437.30 | -43.71 | 45.49 |
| 59 | 442.88 | -58.42 | 60.20 |
| 60 | 448.46L | -69.76 | 71.53 |
| 60 | 448.46R | 72.31 | 78.23 |
| 61 | 455.32 | 64.05 | 69.98 |
| 62 | 462.18 | 54.20 | 60.12 |
| 63 | 469.04 | 47.39 | 53.06 |
| 64 | 475.89 | 33.10 | 49.05 |
| 65 | 482.75 | 26.26 | 43.64 |
| 66 | 489.61 | -29.00 | 43.12 |
| 67 | 496.47 | -40.38 | 44.83 |
| 68 | 503.32 | -49.08 | 52.53 |
| 69 | 510.18 | -60.48 | 63.93 |
| 70 | 517.04L | -72.42 | 75.87 |
| 70 | 517.04R | 72.77 | 77.00 |
| 71 | 523.88 | 66.23 | 70.46 |
| 72 | 530.72 | 56.48 | 60.71 |
| 73 | 537.56 | 45.94 | 49.79 |
| 74 | 544.40 | 34.73 | 51.38 |
| 75 | 551.24 | -29.41 | 52.09 |
| 76 | 558.08 | -29.41 | 44.88 |
| 77 | 564.92 | -40.10 | 44.71 |
| 78 | 571.76 | -48.47 | 53.35 |
| 79 | 578.60 | -62.53 | 67.41 |
| 80 | 585.43L | -72.02 | 76.91 |
| 80 | 585.43R | 71.85 | 78.38 |
| 81 | 591.02 | 65.15 | 71.69 |
| 82 | 596.60 | 54.24 | 60.77 |
| 83 | 602.19 | 47.65 | 54.18 |
| 84 | 607.77 | 37.21 | 44.07 |
| 85 | 613.35 | 30.87 | 47.47 |
| 86 | 618.94 | -27.39 | 42.33 |
| 87 | 624.52 | -33.10 | 40.66 |
| 88 | 630.10 | -42.38 | 47.37 |
| 89 | 635.69 | -49.75 | 54.74 |
| 90 | 641.27L | -62.63 | 67.61 |
| 90 | 641.27R | 67.84 | 74.19 |
| 91 | 647.26 | 62.13 | 68.48 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 94.79 | -10.95 | 105.74 |
| 53 | 409.37 | 339.47 | -47.65 | 387.12 |
| 54 | 414.96 | 461.26 | -84.36 | 545.62 |
| 55 | 420.54 | 416.82 | -123.07 | 539.88 |
| 56 | 426.13 | 442.22 | -163.54 | 605.76 |
| 57 | 431.71 | 412.31 | -204.01 | 616.32 |
| 58 | 437.30 | 257.18 | -250.30 | 507.48 |

C198 (LC1) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 80.01 | -346.13 | 426.13 |
| 60 | 448.46 | 72.69 | -613.29 | 685.98 |
| 61 | 455.32 | 66.15 | -282.76 | 348.91 |
| 62 | 462.18 | 360.36 | -153.48 | 513.84 |
| 63 | 469.04 | 508.38 | -122.03 | 630.41 |
| 64 | 475.89 | 577.39 | -95.04 | 672.43 |
| 65 | 482.75 | 581.67 | -116.53 | 698.20 |
| 66 | 489.61 | 607.19 | -161.31 | 768.50 |
| 67 | 496.47 | 536.19 | -206.10 | 742.28 |
| 68 | 503.32 | 343.04 | -256.07 | 599.11 |
| 69 | 510.18 | 105.00 | -360.30 | 465.30 |
| 70 | 517.04 | 50.79 | -699.02 | 749.82 |
| 71 | 523.88 | 38.51 | -332.39 | 370.90 |
| 72 | 530.72 | 334.46 | -212.17 | 546.63 |
| 73 | 537.56 | 483.56 | -169.09 | 652.65 |
| 74 | 544.40 | 561.71 | -131.19 | 692.91 |
| 75 | 551.24 | 565.80 | -93.31 | 659.11 |
| 76 | 558.08 | 582.47 | -109.93 | 692.40 |
| 77 | 564.92 | 502.31 | -141.25 | 643.57 |
| 78 | 571.76 | 311.02 | -178.28 | 489.30 |
| 79 | 578.60 | 71.22 | -333.67 | 404.89 |
| 80 | 585.43 | 65.54 | -664.89 | 730.43 |
| 81 | 591.02 | 57.63 | -373.16 | 430.79 |
| 82 | 596.60 | 267.96 | -245.55 | 513.51 |
| 83 | 602.19 | 391.85 | -202.31 | 594.16 |
| 84 | 607.77 | 455.50 | -168.21 | 623.71 |
| 85 | 613.35 | 497.92 | -137.39 | 635.31 |
| 86 | 618.94 | 470.15 | -145.40 | 615.55 |
| 87 | 624.52 | 445.90 | -186.51 | 632.41 |
| 88 | 630.10 | 364.97 | -233.50 | 598.48 |
| 89 | 635.69 | 244.44 | -280.50 | 524.94 |
| 90 | 641.27 | 35.52 | -373.21 | 408.73 |
| 91 | 647.26 | 2.54 | -0.50 | 3.04 |

C198 (LC1) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 53.28 | 56.82 |
| 53 | 409.38 | 36.31 | 39.85 |
| 54 | 414.97 | 22.14 | 30.15 |
| 55 | 420.55 | 22.74 | 35.76 |
| 56 | 426.13 | -27.09 | 43.23 |
| 57 | 431.72 | -32.80 | 36.74 |
| 58 | 437.30 | -39.09 | 40.20 |
| 59 | 442.88 | -54.18 | 55.30 |
| 60 | 448.46L | -67.45 | 68.56 |
| 60 | 448.46R | 65.53 | 68.25 |
| 61 | 455.32 | 57.94 | 60.67 |
| 62 | 462.18 | 45.60 | 48.36 |
| 63 | 469.04 | 43.71 | 49.72 |
| 64 | 475.89 | 27.91 | 47.74 |
| 65 | 482.75 | 29.45 | 57.71 |
| 66 | 489.61 | -25.60 | 43.84 |
| 67 | 496.47 | -37.09 | 42.99 |
| 68 | 503.32 | -42.50 | 44.09 |
| 69 | 510.18 | -55.21 | 56.80 |
| 70 | 517.04L | -68.90 | 70.50 |
| 70 | 517.04R | 68.23 | 70.16 |
| 71 | 523.93 | 60.79 | 62.72 |
| 72 | 530.82 | 49.25 | 53.43 |
| 73 | 537.70 | 42.15 | 47.96 |
| 74 | 544.59 | 30.23 | 51.71 |
| 75 | 551.48 | -28.01 | 44.21 |
| 76 | 558.37 | -26.19 | 46.23 |
| 77 | 565.26 | -37.17 | 42.64 |
| 78 | 572.14 | -42.56 | 45.28 |
| 79 | 579.03 | -55.41 | 57.83 |
| 80 | 585.92L | -67.02 | 69.44 |
| 80 | 585.92R | 70.10 | 73.85 |
| 81 | 591.44 | 61.10 | 64.85 |
| 82 | 596.95 | 49.17 | 52.92 |
| 83 | 602.47 | 42.25 | 47.20 |
| 84 | 607.98 | 35.84 | 42.21 |
| 85 | 613.50 | 28.86 | 47.18 |
| 86 | 619.02 | -29.15 | 42.79 |
| 87 | 624.53 | -30.32 | 42.08 |
| 88 | 630.05 | -38.60 | 42.95 |
| 89 | 635.57 | -47.25 | 50.55 |
| 90 | 641.08L | -61.94 | 65.24 |
| 90 | 641.08R | 65.12 | 68.31 |
| 91 | 647.14 | 60.19 | 62.89 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 91.47 | -5.73 | 97.20 |
| 53 | 409.38 | 314.39 | -24.80 | 339.19 |
| 54 | 414.97 | 407.86 | -43.87 | 451.73 |
| 55 | 420.55 | 353.07 | -68.76 | 421.84 |
| 56 | 426.13 | 379.36 | -98.72 | 478.08 |
| 57 | 431.72 | 352.00 | -128.67 | 480.68 |
| 58 | 437.30 | 215.30 | -175.99 | 391.29 |
| 59 | 442.88 | 65.72 | -279.43 | 345.15 |

C198 (LC1) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 40.66 | -517.79 | 558.45 |
| 61 | 455.32 | 67.78 | -250.66 | 318.44 |
| 62 | 462.18 | 298.78 | -119.85 | 418.63 |
| 63 | 469.04 | 397.46 | -80.29 | 477.75 |
| 64 | 475.89 | 454.17 | -54.64 | 508.81 |
| 65 | 482.75 | 423.44 | -53.60 | 477.04 |
| 66 | 489.61 | 467.34 | -90.12 | 557.46 |
| 67 | 496.47 | 409.42 | -126.65 | 536.06 |
| 68 | 503.32 | 259.54 | -178.83 | 438.37 |
| 69 | 510.18 | 85.49 | -307.14 | 392.62 |
| 70 | 517.04 | 29.69 | -593.30 | 622.99 |
| 71 | 523.93 | 46.25 | -286.27 | 332.52 |
| 72 | 530.82 | 281.79 | -151.66 | 433.44 |
| 73 | 537.70 | 387.22 | -105.62 | 492.85 |
| 74 | 544.59 | 449.18 | -73.58 | 522.75 |
| 75 | 551.48 | 423.67 | -41.45 | 465.12 |
| 76 | 558.37 | 458.10 | -60.37 | 518.47 |
| 77 | 565.26 | 388.41 | -87.08 | 475.50 |
| 78 | 572.14 | 231.22 | -128.03 | 359.25 |
| 79 | 579.03 | 44.03 | -302.74 | 346.77 |
| 80 | 585.92 | 42.88 | -591.15 | 634.03 |
| 81 | 591.44 | 49.70 | -340.63 | 390.33 |
| 82 | 596.95 | 243.58 | -210.31 | 453.88 |
| 83 | 602.47 | 339.96 | -156.65 | 496.61 |
| 84 | 607.98 | 384.51 | -120.43 | 504.94 |
| 85 | 613.50 | 417.31 | -93.00 | 510.31 |
| 86 | 619.02 | 383.06 | -89.85 | 472.91 |
| 87 | 624.53 | 345.76 | -123.01 | 468.77 |
| 88 | 630.05 | 273.70 | -171.68 | 445.38 |
| 89 | 635.57 | 170.67 | -220.35 | 391.02 |
| 90 | 641.08 | 18.37 | -351.42 | 369.79 |
| 91 | 647.14 | 1.24 | -0.03 | 1.27 |

C198 (LC1) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 52.98 | 59.78 |
| 53 | 409.40 | 40.18 | 46.98 |
| 54 | 414.98 | 26.61 | 33.42 |
| 55 | 420.56 | 21.02 | 35.35 |
| 56 | 426.14 | -28.02 | 42.58 |
| 57 | 431.72 | -33.76 | 36.95 |
| 58 | 437.30 | -43.75 | 45.69 |
| 59 | 442.88 | -58.46 | 60.40 |
| 60 | 448.46L | -69.80 | 71.74 |
| 60 | 448.46R | 72.23 | 78.69 |
| 61 | 455.32 | 64.14 | 70.61 |
| 62 | 462.18 | 54.25 | 60.71 |
| 63 | 469.04 | 47.47 | 53.67 |
| 64 | 475.90 | 33.21 | 49.15 |
| 65 | 482.76 | 26.10 | 48.53 |
| 66 | 489.62 | -29.15 | 43.44 |
| 67 | 496.48 | -40.69 | 44.03 |
| 68 | 503.34 | -49.64 | 53.06 |
| 69 | 510.20 | -60.26 | 63.68 |
| 70 | 517.06L | -72.22 | 75.64 |
| 70 | 517.06R | 74.19 | 78.32 |
| 71 | 523.99 | 68.18 | 72.31 |
| 72 | 530.93 | 58.81 | 62.93 |
| 73 | 537.87 | 47.27 | 51.11 |
| 74 | 544.81 | 36.23 | 52.84 |
| 75 | 551.75 | 28.18 | 45.33 |
| 76 | 558.68 | -30.31 | 46.03 |
| 77 | 565.62 | -41.06 | 45.89 |
| 78 | 572.56 | -50.81 | 56.02 |
| 79 | 579.50 | -64.57 | 69.78 |
| 80 | 586.44L | -74.92 | 80.13 |
| 80 | 586.44R | 74.53 | 81.68 |
| 81 | 591.88 | 67.71 | 74.86 |
| 82 | 597.33 | 57.08 | 64.22 |
| 83 | 602.78 | 50.37 | 57.52 |
| 84 | 608.23 | 38.51 | 46.06 |
| 85 | 613.67 | 31.42 | 50.09 |
| 86 | 619.12 | -29.17 | 44.18 |
| 87 | 624.57 | -35.19 | 42.07 |
| 88 | 630.02 | -43.72 | 50.54 |
| 89 | 635.46 | -51.47 | 58.29 |
| 90 | 640.91L | -61.90 | 68.72 |
| 90 | 640.91R | 70.82 | 77.59 |
| 91 | 647.03 | 62.60 | 68.52 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.08 | -11.07 | 107.16 |
| 53 | 409.40 | 340.02 | -47.64 | 387.66 |
| 54 | 414.98 | 461.35 | -84.21 | 545.55 |
| 55 | 420.56 | 416.75 | -122.85 | 539.60 |
| 56 | 426.14 | 442.53 | -163.23 | 605.76 |
| 57 | 431.72 | 412.77 | -203.62 | 616.38 |
| 58 | 437.30 | 257.46 | -249.54 | 507.00 |

C198 (LC1) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 80.10 | -346.99 | 427.10 |
| 60 | 448.46 | 80.13 | -614.64 | 694.78 |
| 61 | 455.32 | 65.46 | -283.27 | 348.73 |
| 62 | 462.18 | 360.51 | -153.61 | 514.12 |
| 63 | 469.04 | 507.91 | -122.20 | 630.11 |
| 64 | 475.90 | 574.68 | -95.30 | 669.97 |
| 65 | 482.76 | 584.01 | -128.12 | 712.13 |
| 66 | 489.62 | 610.77 | -177.80 | 788.57 |
| 67 | 496.48 | 541.28 | -227.48 | 768.76 |
| 68 | 503.34 | 349.19 | -283.07 | 632.25 |
| 69 | 510.20 | 111.96 | -380.15 | 492.11 |
| 70 | 517.06 | 53.72 | -725.77 | 779.48 |
| 71 | 523.99 | 34.00 | -341.99 | 375.99 |
| 72 | 530.93 | 345.51 | -211.10 | 556.62 |
| 73 | 537.87 | 506.95 | -169.72 | 676.68 |
| 74 | 544.81 | 587.49 | -131.39 | 718.88 |
| 75 | 551.75 | 599.33 | -93.06 | 692.39 |
| 76 | 558.68 | 600.20 | -107.95 | 708.15 |
| 77 | 565.62 | 510.35 | -138.13 | 648.48 |
| 78 | 572.56 | 297.40 | -172.49 | 469.89 |
| 79 | 579.50 | 55.82 | -366.54 | 422.36 |
| 80 | 586.44 | 77.47 | -728.62 | 806.08 |
| 81 | 591.88 | 68.93 | -428.24 | 497.17 |
| 82 | 597.33 | 275.54 | -310.27 | 585.81 |
| 83 | 602.78 | 405.37 | -261.23 | 666.60 |
| 84 | 608.23 | 467.02 | -218.39 | 685.41 |
| 85 | 613.67 | 499.06 | -179.67 | 678.73 |
| 86 | 619.12 | 463.14 | -158.68 | 621.82 |
| 87 | 624.57 | 442.44 | -198.44 | 640.89 |
| 88 | 630.02 | 341.96 | -243.79 | 585.75 |
| 89 | 635.46 | 220.06 | -289.14 | 509.20 |
| 90 | 640.91 | 40.03 | -393.45 | 433.48 |
| 91 | 647.03 | 5.36 | -0.51 | 5.87 |

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 49.30 | 55.88 |
| 53 | 409.37 | 39.16 | 45.74 |
| 54 | 414.96 | 25.39 | 32.64 |
| 55 | 420.54 | 19.96 | 35.51 |
| 56 | 426.13 | -28.74 | 43.46 |
| 57 | 431.71 | -33.93 | 37.91 |
| 58 | 437.30 | -45.73 | 47.47 |
| 59 | 442.88 | -60.62 | 62.36 |
| 60 | 448.46L | -67.95 | 69.69 |
| 60 | 448.46R | 70.78 | 76.59 |
| 61 | 455.32 | 62.46 | 68.27 |
| 62 | 462.18 | 55.34 | 61.14 |
| 63 | 469.04 | 44.39 | 50.81 |
| 64 | 475.89 | 35.25 | 50.39 |
| 65 | 482.75 | 24.57 | 44.31 |
| 66 | 489.61 | -30.07 | 46.76 |
| 67 | 496.47 | -40.81 | 44.33 |
| 68 | 503.32 | -49.46 | 52.94 |
| 69 | 510.18 | -59.28 | 62.76 |
| 70 | 517.04L | -70.05 | 73.52 |
| 70 | 517.04R | 69.89 | 73.82 |
| 71 | 523.88 | 64.80 | 68.72 |
| 72 | 530.72 | 52.90 | 56.82 |
| 73 | 537.56 | 43.41 | 46.98 |
| 74 | 544.40 | 31.53 | 46.28 |
| 75 | 551.24 | -30.39 | 55.43 |
| 76 | 558.08 | -30.39 | 44.01 |
| 77 | 564.92 | -40.43 | 46.12 |
| 78 | 571.76 | -48.37 | 53.12 |
| 79 | 578.60 | -58.90 | 63.65 |
| 80 | 585.43L | -70.39 | 75.13 |
| 80 | 585.43R | 70.54 | 76.88 |
| 81 | 591.02 | 66.74 | 73.08 |
| 82 | 596.60 | 56.96 | 63.30 |
| 83 | 602.19 | 44.15 | 50.48 |
| 84 | 607.77 | 40.05 | 47.74 |
| 85 | 613.35 | 27.40 | 45.50 |
| 86 | 618.94 | -28.06 | 43.20 |
| 87 | 624.52 | -32.63 | 41.32 |
| 88 | 630.10 | -41.39 | 46.20 |
| 89 | 635.69 | -49.13 | 53.94 |
| 90 | 641.27L | -59.52 | 64.34 |
| 90 | 641.27R | 68.31 | 74.42 |
| 91 | 647.26 | 62.36 | 68.47 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 94.82 | -10.58 | 105.40 |
| 53 | 409.37 | 339.71 | -46.05 | 385.76 |
| 54 | 414.96 | 461.67 | -81.52 | 543.20 |
| 55 | 420.54 | 416.43 | -118.96 | 535.39 |
| 56 | 426.13 | 442.91 | -158.12 | 601.03 |
| 57 | 431.71 | 413.12 | -197.29 | 610.41 |
| 58 | 437.30 | 255.76 | -242.17 | 497.94 |
| 59 | 442.88 | 74.76 | -347.59 | 422.34 |

C198 (LC2) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 70.54 | -608.98 | 679.52 |
| 61 | 455.32 | 74.82 | -291.45 | 366.27 |
| 62 | 462.18 | 359.48 | -154.79 | 514.28 |
| 63 | 469.04 | 501.90 | -123.00 | 624.90 |
| 64 | 475.89 | 572.39 | -95.76 | 668.15 |
| 65 | 482.75 | 584.11 | -113.00 | 697.11 |
| 66 | 489.61 | 604.24 | -156.53 | 760.78 |
| 67 | 496.47 | 530.83 | -200.06 | 730.89 |
| 68 | 503.32 | 342.00 | -248.70 | 590.70 |
| 69 | 510.18 | 109.57 | -367.41 | 476.98 |
| 70 | 517.04 | 51.49 | -697.61 | 749.11 |
| 71 | 523.88 | 46.72 | -341.24 | 387.96 |
| 72 | 530.72 | 333.62 | -206.24 | 539.87 |
| 73 | 537.56 | 480.27 | -164.29 | 644.56 |
| 74 | 544.40 | 557.95 | -127.43 | 685.38 |
| 75 | 551.24 | 555.14 | -90.59 | 645.72 |
| 76 | 558.08 | 578.70 | -111.44 | 690.15 |
| 77 | 564.92 | 497.39 | -143.18 | 640.57 |
| 78 | 571.76 | 310.73 | -180.67 | 491.40 |
| 79 | 578.60 | 76.99 | -342.45 | 419.44 |
| 80 | 585.43 | 63.67 | -661.97 | 725.64 |
| 81 | 591.02 | 55.98 | -379.68 | 435.66 |
| 82 | 596.60 | 267.63 | -237.94 | 505.56 |
| 83 | 602.19 | 393.73 | -195.93 | 589.65 |
| 84 | 607.77 | 460.06 | -162.85 | 622.91 |
| 85 | 613.35 | 504.31 | -132.99 | 637.30 |
| 86 | 618.94 | 476.09 | -140.70 | 616.78 |
| 87 | 624.52 | 444.36 | -180.51 | 624.87 |
| 88 | 630.10 | 364.93 | -226.04 | 590.97 |
| 89 | 635.69 | 228.40 | -271.57 | 499.97 |
| 90 | 641.27 | 34.48 | -371.89 | 406.37 |
| 91 | 647.26 | 2.53 | -0.49 | 3.02 |

C198 (LC2) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 49.34 | 52.76 |
| 53 | 409.38 | 37.44 | 40.86 |
| 54 | 414.97 | 22.78 | 33.05 |
| 55 | 420.55 | 21.97 | 36.10 |
| 56 | 426.13 | -28.25 | 44.46 |
| 57 | 431.72 | -34.25 | 38.89 |
| 58 | 437.30 | -40.69 | 43.03 |
| 59 | 442.88 | -58.07 | 59.17 |
| 60 | 448.46L | -65.12 | 66.22 |
| 60 | 448.46R | 66.06 | 68.72 |
| 61 | 455.32 | 56.26 | 58.93 |
| 62 | 462.18 | 46.89 | 52.11 |
| 63 | 469.04 | 40.20 | 48.07 |
| 64 | 475.89 | 30.18 | 48.95 |
| 65 | 482.75 | -32.09 | 60.24 |
| 66 | 489.61 | -25.95 | 46.63 |
| 67 | 496.47 | -38.61 | 46.08 |
| 68 | 503.32 | -42.35 | 43.96 |
| 69 | 510.18 | -54.89 | 56.50 |
| 70 | 517.04L | -65.95 | 67.56 |
| 70 | 517.04R | 66.90 | 68.70 |
| 71 | 523.93 | 59.40 | 61.20 |
| 72 | 530.82 | 44.96 | 47.76 |
| 73 | 537.70 | 39.33 | 44.28 |
| 74 | 544.59 | 26.81 | 46.03 |
| 75 | 551.48 | -26.65 | 41.81 |
| 76 | 558.37 | -26.47 | 43.34 |
| 77 | 565.26 | -37.37 | 44.63 |
| 78 | 572.14 | -42.37 | 45.10 |
| 79 | 579.03 | -54.47 | 56.82 |
| 80 | 585.92L | -67.45 | 69.80 |
| 80 | 585.92R | 68.29 | 71.86 |
| 81 | 591.44 | 62.86 | 66.43 |
| 82 | 596.95 | 52.01 | 55.58 |
| 83 | 602.47 | 38.60 | 44.75 |
| 84 | 607.98 | 38.95 | 47.76 |
| 85 | 613.50 | 25.29 | 44.74 |
| 86 | 619.02 | -29.48 | 46.61 |
| 87 | 624.53 | -29.74 | 41.82 |
| 88 | 630.05 | -37.93 | 41.94 |
| 89 | 635.57 | -47.57 | 50.76 |
| 90 | 641.08L | -58.38 | 61.57 |
| 90 | 641.08R | 64.92 | 68.02 |
| 91 | 647.14 | 56.10 | 58.70 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 91.47 | -5.55 | 97.03 |
| 53 | 409.38 | 314.59 | -24.03 | 338.62 |
| 54 | 414.97 | 408.21 | -42.51 | 450.73 |
| 55 | 420.55 | 349.13 | -66.75 | 415.88 |
| 56 | 426.13 | 379.52 | -95.99 | 475.51 |
| 57 | 431.72 | 352.54 | -125.23 | 477.77 |
| 58 | 437.30 | 213.57 | -171.65 | 385.22 |

C198 (LC2) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 55.78 | -280.44 | 336.22 |
| 60 | 448.46 | 39.58 | -510.98 | 550.56 |
| 61 | 455.32 | 76.77 | -258.11 | 334.88 |
| 62 | 462.18 | 300.00 | -121.56 | 421.56 |
| 63 | 469.04 | 395.52 | -81.27 | 476.79 |
| 64 | 475.89 | 452.03 | -55.20 | 507.23 |
| 65 | 482.75 | 424.43 | -51.93 | 476.36 |
| 66 | 489.61 | 466.22 | -87.70 | 553.93 |
| 67 | 496.47 | 408.18 | -123.50 | 531.68 |
| 68 | 503.32 | 260.87 | -174.78 | 435.65 |
| 69 | 510.18 | 89.35 | -314.21 | 403.56 |
| 70 | 517.04 | 30.07 | -589.88 | 619.96 |
| 71 | 523.93 | 53.29 | -289.51 | 342.80 |
| 72 | 530.82 | 282.95 | -148.25 | 431.21 |
| 73 | 537.70 | 386.15 | -103.03 | 489.18 |
| 74 | 544.59 | 447.46 | -71.64 | 519.10 |
| 75 | 551.48 | 422.61 | -40.17 | 462.78 |
| 76 | 558.37 | 456.53 | -61.17 | 517.69 |
| 77 | 565.26 | 387.67 | -88.16 | 475.83 |
| 78 | 572.14 | 233.31 | -129.51 | 362.82 |
| 79 | 579.03 | 53.97 | -309.46 | 363.43 |
| 80 | 585.92 | 40.80 | -586.73 | 627.53 |
| 81 | 591.44 | 49.50 | -346.37 | 395.86 |
| 82 | 596.95 | 243.71 | -205.32 | 449.04 |
| 83 | 602.47 | 340.63 | -152.61 | 493.24 |
| 84 | 607.98 | 386.94 | -117.13 | 504.07 |
| 85 | 613.50 | 421.47 | -90.35 | 511.82 |
| 86 | 619.02 | 387.82 | -85.42 | 473.24 |
| 87 | 624.53 | 344.83 | -117.04 | 461.87 |
| 88 | 630.05 | 283.19 | -163.52 | 446.71 |
| 89 | 635.57 | 161.61 | -209.99 | 371.60 |
| 90 | 641.08 | 17.86 | -346.38 | 364.24 |
| 91 | 647.14 | 1.25 | -0.03 | 1.28 |

C198 (LC2) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 49.26 | 55.83 |
| 53 | 409.40 | 39.07 | 45.63 |
| 54 | 414.98 | 25.31 | 32.60 |
| 55 | 420.56 | 20.00 | 35.62 |
| 56 | 426.14 | -28.79 | 43.48 |
| 57 | 431.72 | -33.95 | 37.95 |
| 58 | 437.30 | -45.77 | 47.67 |
| 59 | 442.88 | -60.71 | 62.60 |
| 60 | 448.46L | -68.00 | 69.89 |
| 60 | 448.46R | 70.90 | 77.22 |
| 61 | 455.32 | 62.50 | 68.81 |
| 62 | 462.18 | 55.38 | 61.70 |
| 63 | 469.04 | 44.48 | 50.90 |
| 64 | 475.90 | 35.36 | 50.48 |
| 65 | 482.76 | -25.41 | 49.83 |
| 66 | 489.62 | -30.28 | 47.13 |
| 67 | 496.48 | -41.16 | 44.47 |
| 68 | 503.34 | -49.97 | 53.41 |
| 69 | 510.20 | -59.92 | 63.36 |
| 70 | 517.06L | -70.84 | 74.28 |
| 70 | 517.06R | 73.15 | 77.08 |
| 71 | 523.99 | 66.39 | 70.32 |
| 72 | 530.93 | 55.20 | 59.13 |
| 73 | 537.87 | 44.78 | 48.26 |
| 74 | 544.81 | 33.03 | 47.62 |
| 75 | 551.75 | 25.18 | 42.50 |
| 76 | 558.68 | -31.26 | 44.63 |
| 77 | 565.62 | -41.45 | 46.14 |
| 78 | 572.56 | -50.55 | 55.60 |
| 79 | 579.50 | -60.92 | 65.97 |
| 80 | 586.44L | -75.44 | 80.50 |
| 80 | 586.44R | 72.64 | 79.72 |
| 81 | 591.88 | 69.12 | 76.20 |
| 82 | 597.33 | 59.84 | 66.93 |
| 83 | 602.78 | 46.60 | 53.69 |
| 84 | 608.23 | 41.78 | 49.28 |
| 85 | 613.67 | 27.85 | 48.07 |
| 86 | 619.12 | -29.70 | 48.94 |
| 87 | 624.57 | -34.74 | 42.65 |
| 88 | 630.02 | -42.43 | 49.07 |
| 89 | 635.46 | -51.21 | 57.84 |
| 90 | 640.91L | -62.83 | 69.47 |
| 90 | 640.91R | 69.75 | 76.30 |
| 91 | 647.03 | 61.55 | 67.26 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.11 | -10.68 | 106.79 |
| 53 | 409.40 | 340.25 | -45.95 | 386.20 |
| 54 | 414.98 | 461.76 | -81.21 | 542.97 |
| 55 | 420.56 | 416.67 | -118.51 | 535.19 |
| 56 | 426.14 | 443.22 | -157.52 | 600.74 |
| 57 | 431.72 | 413.58 | -196.53 | 610.11 |
| 58 | 437.30 | 255.79 | -240.98 | 496.76 |
| 59 | 442.88 | 75.49 | -348.46 | 423.95 |

C198 (LC2) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 77.82 | -610.46 | 688.28 |
| 61 | 455.32 | 76.32 | -291.99 | 368.31 |
| 62 | 462.18 | 359.62 | -154.89 | 514.51 |
| 63 | 469.04 | 501.10 | -123.16 | 624.26 |
| 64 | 475.90 | 569.25 | -96.01 | 665.26 |
| 65 | 482.76 | 586.33 | -124.34 | 710.67 |
| 66 | 489.62 | 607.79 | -172.66 | 780.45 |
| 67 | 496.48 | 535.80 | -220.98 | 756.78 |
| 68 | 503.34 | 347.95 | -275.11 | 623.06 |
| 69 | 510.20 | 116.26 | -387.63 | 503.89 |
| 70 | 517.06 | 54.47 | -724.82 | 779.28 |
| 71 | 523.99 | 36.14 | -349.17 | 385.31 |
| 72 | 530.93 | 344.99 | -205.20 | 550.18 |
| 73 | 537.87 | 502.15 | -164.89 | 667.04 |
| 74 | 544.81 | 582.89 | -127.61 | 710.50 |
| 75 | 551.75 | 586.25 | -90.32 | 676.58 |
| 76 | 558.68 | 596.41 | -109.47 | 705.88 |
| 77 | 565.62 | 505.68 | -140.06 | 645.74 |
| 78 | 572.56 | 298.40 | -174.86 | 473.27 |
| 79 | 579.50 | 55.33 | -374.92 | 430.25 |
| 80 | 586.44 | 75.26 | -727.12 | 802.38 |
| 81 | 591.88 | 66.96 | -436.46 | 503.42 |
| 82 | 597.33 | 275.31 | -300.56 | 575.88 |
| 83 | 602.78 | 407.53 | -252.92 | 660.45 |
| 84 | 608.23 | 471.87 | -211.37 | 683.24 |
| 85 | 613.67 | 506.51 | -173.86 | 680.37 |
| 86 | 619.12 | 471.64 | -157.29 | 628.94 |
| 87 | 624.57 | 440.31 | -196.74 | 637.05 |
| 88 | 630.02 | 339.64 | -241.80 | 581.44 |
| 89 | 635.46 | 212.02 | -286.85 | 498.87 |
| 90 | 640.91 | 38.65 | -392.14 | 430.79 |
| 91 | 647.03 | 5.36 | -0.49 | 5.85 |

C198 (LC3) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 56.04 | 62.46 |
| 53 | 409.37 | 44.76 | 51.18 |
| 54 | 414.96 | 30.22 | 36.64 |
| 55 | 420.54 | 23.47 | 40.22 |
| 56 | 426.13 | -29.22 | 44.33 |
| 57 | 431.71 | -34.08 | 39.83 |
| 58 | 437.30 | -46.73 | 48.43 |
| 59 | 442.88 | -57.65 | 59.35 |
| 60 | 448.46L | -68.74 | 70.44 |
| 60 | 448.46R | 70.27 | 75.92 |
| 61 | 455.32 | 63.08 | 68.73 |
| 62 | 462.18 | 52.18 | 57.83 |
| 63 | 469.04 | 45.53 | 51.72 |
| 64 | 475.89 | 32.31 | 46.69 |
| 65 | 482.75 | 26.31 | 45.61 |
| 66 | 489.61 | -31.01 | 49.82 |
| 67 | 496.47 | -41.03 | 46.64 |
| 68 | 503.32 | -49.20 | 52.55 |
| 69 | 510.18 | -61.36 | 64.71 |
| 70 | 517.04L | -70.52 | 73.87 |
| 70 | 517.04R | 70.37 | 74.27 |
| 71 | 523.88 | 65.42 | 69.32 |
| 72 | 530.72 | 55.56 | 59.46 |
| 73 | 537.56 | 45.56 | 50.15 |
| 74 | 544.40 | 34.95 | 52.75 |
| 75 | 551.24 | -31.20 | 55.62 |
| 76 | 558.08 | -31.20 | 47.66 |
| 77 | 564.92 | -40.50 | 45.96 |
| 78 | 571.76 | -48.31 | 52.91 |
| 79 | 578.60 | -62.19 | 66.78 |
| 80 | 585.43L | -69.93 | 74.53 |
| 80 | 585.43R | 70.75 | 76.96 |
| 81 | 591.02 | 64.55 | 70.76 |
| 82 | 596.60 | 59.42 | 65.63 |
| 83 | 602.19 | 46.81 | 53.01 |
| 84 | 607.77 | 36.95 | 44.41 |
| 85 | 613.35 | 31.09 | 50.69 |
| 86 | 618.94 | -28.55 | 44.81 |
| 87 | 624.52 | -32.13 | 41.49 |
| 88 | 630.10 | -40.94 | 45.64 |
| 89 | 635.69 | -48.85 | 53.56 |
| 90 | 641.27L | -60.54 | 65.25 |
| 90 | 641.27R | 66.94 | 72.87 |
| 91 | 647.26 | 60.47 | 66.40 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 94.84 | -10.25 | 105.09 |
| 53 | 409.37 | 339.86 | -44.62 | 384.48 |
| 54 | 414.96 | 467.02 | -78.99 | 546.02 |
| 55 | 420.54 | 430.67 | -115.29 | 545.96 |
| 56 | 426.13 | 443.40 | -153.30 | 596.69 |
| 57 | 431.71 | 413.72 | -191.30 | 605.02 |
| 58 | 437.30 | 254.78 | -234.93 | 489.71 |
| 59 | 442.88 | 82.37 | -350.59 | 432.96 |

C198 (LC3) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 68.76 | -602.74 | 671.50 |
| 61 | 455.32 | 81.03 | -297.13 | 378.16 |
| 62 | 462.18 | 358.72 | -148.29 | 507.01 |
| 63 | 469.04 | 496.53 | -117.86 | 614.39 |
| 64 | 475.89 | 569.59 | -91.77 | 661.35 |
| 65 | 482.75 | 587.70 | -110.08 | 697.78 |
| 66 | 489.61 | 604.55 | -152.57 | 757.12 |
| 67 | 496.47 | 527.83 | -195.06 | 722.88 |
| 68 | 503.32 | 341.14 | -242.59 | 583.74 |
| 69 | 510.18 | 112.53 | -375.99 | 488.53 |
| 70 | 517.04 | 52.27 | -695.93 | 748.20 |
| 71 | 523.88 | 49.22 | -349.03 | 398.25 |
| 72 | 530.72 | 332.89 | -201.55 | 534.44 |
| 73 | 537.56 | 477.41 | -160.49 | 637.90 |
| 74 | 544.40 | 556.96 | -124.46 | 681.41 |
| 75 | 551.24 | 553.29 | -88.43 | 641.71 |
| 76 | 558.08 | 576.22 | -113.13 | 689.35 |
| 77 | 564.92 | 495.35 | -145.32 | 640.67 |
| 78 | 571.76 | 310.58 | -183.33 | 493.91 |
| 79 | 578.60 | 83.37 | -348.35 | 431.72 |
| 80 | 585.43 | 62.18 | -657.47 | 719.65 |
| 81 | 591.02 | 56.72 | -385.84 | 442.56 |
| 82 | 596.60 | 267.76 | -231.73 | 499.48 |
| 83 | 602.19 | 395.74 | -190.71 | 586.46 |
| 84 | 607.77 | 464.67 | -158.47 | 623.14 |
| 85 | 613.35 | 510.58 | -129.38 | 639.97 |
| 86 | 618.94 | 483.33 | -137.70 | 621.02 |
| 87 | 624.52 | 443.35 | -176.70 | 620.05 |
| 88 | 630.10 | 349.61 | -221.34 | 570.95 |
| 89 | 635.69 | 235.72 | -265.98 | 501.70 |
| 90 | 641.27 | 33.71 | -370.65 | 404.36 |
| 91 | 647.26 | 2.52 | -0.48 | 3.00 |

C198 (LC3) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 54.68 | 58.03 |
| 53 | 409.38 | 41.12 | 44.46 |
| 54 | 414.97 | 25.72 | 31.81 |
| 55 | 420.55 | 25.33 | 40.48 |
| 56 | 426.13 | -28.01 | 44.29 |
| 57 | 431.72 | -32.92 | 39.42 |
| 58 | 437.30 | -41.16 | 42.23 |
| 59 | 442.88 | -53.24 | 54.31 |
| 60 | 448.46L | -66.15 | 67.22 |
| 60 | 448.46R | 64.58 | 67.17 |
| 61 | 455.32 | 56.37 | 58.96 |
| 62 | 462.18 | 43.04 | 51.03 |
| 63 | 469.04 | 41.52 | 49.04 |
| 64 | 475.89 | 27.06 | 44.81 |
| 65 | 482.75 | -30.77 | 61.48 |
| 66 | 489.61 | -26.76 | 49.46 |
| 67 | 496.47 | -37.60 | 44.54 |
| 68 | 503.32 | -42.17 | 44.98 |
| 69 | 510.18 | -54.63 | 56.18 |
| 70 | 517.04L | -67.31 | 68.87 |
| 70 | 517.04R | 66.80 | 68.61 |
| 71 | 523.93 | 59.60 | 61.42 |
| 72 | 530.82 | 48.01 | 53.64 |
| 73 | 537.70 | 41.60 | 48.30 |
| 74 | 544.59 | 30.36 | 53.19 |
| 75 | 551.48 | -29.05 | 46.49 |
| 76 | 558.37 | -27.23 | 47.67 |
| 77 | 565.26 | -37.84 | 44.82 |
| 78 | 572.14 | -42.13 | 44.45 |
| 79 | 579.03 | -55.90 | 58.18 |
| 80 | 585.92L | -67.73 | 70.01 |
| 80 | 585.92R | 68.55 | 72.21 |
| 81 | 591.44 | 59.78 | 63.45 |
| 82 | 596.95 | 54.46 | 58.12 |
| 83 | 602.47 | 41.27 | 48.05 |
| 84 | 607.98 | 35.43 | 43.64 |
| 85 | 613.50 | 29.07 | 49.65 |
| 86 | 619.02 | -29.81 | 44.72 |
| 87 | 624.53 | -29.14 | 41.74 |
| 88 | 630.05 | -37.61 | 42.72 |
| 89 | 635.57 | -45.32 | 48.45 |
| 90 | 641.08L | -59.70 | 62.83 |
| 90 | 641.08R | 65.27 | 68.29 |
| 91 | 647.14 | 52.88 | 55.42 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 91.47 | -5.40 | 96.86 |
| 53 | 409.38 | 314.62 | -23.36 | 337.98 |
| 54 | 414.97 | 417.35 | -41.33 | 458.67 |
| 55 | 420.55 | 365.12 | -65.00 | 430.11 |
| 56 | 426.13 | 379.68 | -93.62 | 473.31 |
| 57 | 431.72 | 352.81 | -122.25 | 475.06 |
| 58 | 437.30 | 211.15 | -167.90 | 379.05 |

C198 (LC3) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 64.39 | -281.23 | 345.62 |
| 60 | 448.46 | 38.63 | -502.87 | 541.51 |
| 61 | 455.32 | 80.56 | -262.66 | 343.22 |
| 62 | 462.18 | 300.92 | -116.35 | 417.28 |
| 63 | 469.04 | 394.39 | -77.86 | 472.24 |
| 64 | 475.89 | 450.62 | -52.93 | 503.55 |
| 65 | 482.75 | 425.92 | -50.46 | 476.37 |
| 66 | 489.61 | 466.26 | -85.60 | 551.86 |
| 67 | 496.47 | 407.25 | -120.76 | 528.01 |
| 68 | 503.32 | 261.94 | -171.26 | 433.20 |
| 69 | 510.18 | 91.46 | -319.20 | 410.66 |
| 70 | 517.04 | 30.51 | -585.06 | 615.57 |
| 71 | 523.93 | 50.82 | -297.34 | 348.16 |
| 72 | 530.82 | 283.92 | -145.56 | 429.49 |
| 73 | 537.70 | 385.22 | -100.98 | 486.20 |
| 74 | 544.59 | 446.87 | -70.10 | 516.97 |
| 75 | 551.48 | 421.66 | -39.15 | 460.81 |
| 76 | 558.37 | 455.33 | -62.08 | 517.40 |
| 77 | 565.26 | 387.08 | -89.40 | 476.48 |
| 78 | 572.14 | 235.00 | -131.19 | 366.19 |
| 79 | 579.03 | 56.53 | -313.23 | 369.76 |
| 80 | 585.92 | 41.93 | -581.21 | 623.14 |
| 81 | 591.44 | 53.43 | -353.16 | 406.58 |
| 82 | 596.95 | 243.37 | -201.16 | 444.53 |
| 83 | 602.47 | 341.34 | -149.22 | 490.56 |
| 84 | 607.98 | 389.38 | -114.36 | 503.74 |
| 85 | 613.50 | 425.23 | -88.11 | 513.34 |
| 86 | 619.02 | 392.12 | -87.70 | 479.81 |
| 87 | 624.53 | 344.25 | -120.29 | 464.54 |
| 88 | 630.05 | 274.59 | -168.29 | 442.88 |
| 89 | 635.57 | 168.27 | -216.30 | 384.56 |
| 90 | 641.08 | 17.45 | -341.92 | 359.38 |
| 91 | 647.14 | 1.24 | -0.03 | 1.26 |

C198 (LC3) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 55.99 | 62.39 |
| 53 | 409.40 | 44.68 | 51.08 |
| 54 | 414.98 | 30.15 | 36.55 |
| 55 | 420.56 | 23.47 | 40.30 |
| 56 | 426.14 | -29.27 | 44.36 |
| 57 | 431.72 | -34.10 | 39.84 |
| 58 | 437.30 | -46.78 | 48.62 |
| 59 | 442.88 | -57.70 | 59.54 |
| 60 | 448.46L | -68.79 | 70.63 |
| 60 | 448.46R | 70.09 | 76.21 |
| 61 | 455.32 | 63.11 | 69.23 |
| 62 | 462.18 | 52.24 | 58.36 |
| 63 | 469.04 | 45.62 | 51.81 |
| 64 | 475.90 | 32.42 | 46.79 |
| 65 | 482.76 | 26.46 | 51.00 |
| 66 | 489.62 | -31.27 | 50.23 |
| 67 | 496.48 | -41.43 | 45.93 |
| 68 | 503.34 | -49.64 | 52.96 |
| 69 | 510.20 | -61.16 | 64.48 |
| 70 | 517.06L | -71.61 | 74.93 |
| 70 | 517.06R | 72.31 | 76.29 |
| 71 | 523.99 | 67.41 | 71.38 |
| 72 | 530.93 | 57.89 | 61.86 |
| 73 | 537.87 | 46.89 | 51.64 |
| 74 | 544.81 | 36.45 | 54.21 |
| 75 | 551.75 | 28.83 | 47.22 |
| 76 | 558.68 | -32.12 | 48.90 |
| 77 | 565.62 | -41.54 | 47.72 |
| 78 | 572.56 | -50.48 | 55.38 |
| 79 | 579.50 | -64.08 | 68.98 |
| 80 | 586.44L | -72.19 | 77.09 |
| 80 | 586.44R | 73.56 | 80.62 |
| 81 | 591.88 | 66.73 | 73.79 |
| 82 | 597.33 | 56.27 | 63.32 |
| 83 | 602.78 | 49.62 | 56.68 |
| 84 | 608.23 | 38.37 | 47.15 |
| 85 | 613.67 | 31.90 | 53.61 |
| 86 | 619.12 | -30.20 | 47.06 |
| 87 | 624.57 | -34.27 | 43.18 |
| 88 | 630.02 | -42.43 | 48.87 |
| 89 | 635.46 | -51.03 | 57.46 |
| 90 | 640.91L | -63.80 | 70.23 |
| 90 | 640.91R | 70.05 | 76.39 |
| 91 | 647.03 | 62.73 | 68.26 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.14 | -10.33 | 106.47 |
| 53 | 409.40 | 340.40 | -44.45 | 384.85 |
| 54 | 414.98 | 466.97 | -78.56 | 545.53 |
| 55 | 420.56 | 430.68 | -114.67 | 545.35 |
| 56 | 426.14 | 443.70 | -152.47 | 596.17 |
| 57 | 431.72 | 414.17 | -190.26 | 604.43 |
| 58 | 437.30 | 255.08 | -233.40 | 488.48 |

C198 (LC3) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 82.46 | -351.47 | 433.92 |
| 60 | 448.46 | 75.73 | -604.24 | 679.97 |
| 61 | 455.32 | 80.21 | -297.69 | 377.90 |
| 62 | 462.18 | 358.85 | -148.44 | 507.28 |
| 63 | 469.04 | 495.14 | -118.05 | 613.19 |
| 64 | 475.90 | 566.01 | -92.04 | 658.05 |
| 65 | 482.76 | 589.95 | -120.93 | 710.88 |
| 66 | 489.62 | 608.09 | -168.01 | 776.11 |
| 67 | 496.48 | 532.59 | -215.10 | 747.69 |
| 68 | 503.34 | 346.93 | -267.91 | 614.84 |
| 69 | 510.20 | 119.08 | -395.52 | 514.60 |
| 70 | 517.06 | 55.33 | -724.29 | 779.62 |
| 71 | 523.99 | 36.81 | -358.29 | 395.10 |
| 72 | 530.93 | 344.53 | -200.51 | 545.04 |
| 73 | 537.87 | 499.13 | -161.06 | 660.19 |
| 74 | 544.81 | 581.63 | -124.61 | 706.24 |
| 75 | 551.75 | 584.48 | -88.16 | 672.63 |
| 76 | 558.68 | 593.44 | -111.22 | 704.66 |
| 77 | 565.62 | 502.32 | -142.27 | 644.59 |
| 78 | 572.56 | 299.38 | -177.59 | 476.97 |
| 79 | 579.50 | 54.97 | -379.86 | 434.83 |
| 80 | 586.44 | 73.51 | -724.99 | 798.50 |
| 81 | 591.88 | 66.20 | -444.05 | 510.25 |
| 82 | 597.33 | 275.64 | -292.18 | 567.82 |
| 83 | 602.78 | 409.71 | -245.75 | 655.46 |
| 84 | 608.23 | 476.79 | -205.30 | 682.09 |
| 85 | 613.67 | 513.45 | -168.83 | 682.28 |
| 86 | 619.12 | 479.69 | -156.25 | 635.94 |
| 87 | 624.57 | 438.85 | -195.46 | 634.31 |
| 88 | 630.02 | 336.17 | -240.27 | 576.44 |
| 89 | 635.46 | 210.85 | -285.09 | 495.95 |
| 90 | 640.91 | 37.59 | -390.51 | 428.10 |
| 91 | 647.03 | 5.36 | -0.48 | 5.84 |

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 52.42 | 58.57 |
| 53 | 409.37 | 39.67 | 45.82 |
| 54 | 414.96 | 26.26 | 32.41 |
| 55 | 420.54 | 20.73 | 38.44 |
| 56 | 426.13 | -29.63 | 44.41 |
| 57 | 431.71 | -34.20 | 38.89 |
| 58 | 437.30 | -44.90 | 46.54 |
| 59 | 442.88 | -58.21 | 59.84 |
| 60 | 448.46L | -66.83 | 68.47 |
| 60 | 448.46R | 67.95 | 73.39 |
| 61 | 455.32 | 63.65 | 69.10 |
| 62 | 462.18 | 53.24 | 58.68 |
| 63 | 469.04 | 46.65 | 51.87 |
| 64 | 475.89 | 34.04 | 51.15 |
| 65 | 482.75 | 27.82 | 48.34 |
| 66 | 489.61 | -31.74 | 47.88 |
| 67 | 496.47 | -41.09 | 46.87 |
| 68 | 503.32 | -49.09 | 52.47 |
| 69 | 510.18 | -58.99 | 62.37 |
| 70 | 517.04L | -69.13 | 72.51 |
| 70 | 517.04R | 70.03 | 73.98 |
| 71 | 523.88 | 65.55 | 69.51 |
| 72 | 530.72 | 52.19 | 56.14 |
| 73 | 537.56 | 42.94 | 46.82 |
| 74 | 544.40 | 31.79 | 48.49 |
| 75 | 551.24 | -31.67 | 56.97 |
| 76 | 558.08 | -31.67 | 46.04 |
| 77 | 564.92 | -40.56 | 45.66 |
| 78 | 571.76 | -48.17 | 52.61 |
| 79 | 578.60 | -58.38 | 62.82 |
| 80 | 585.43L | -68.64 | 73.08 |
| 80 | 585.43R | 70.76 | 77.05 |
| 81 | 591.02 | 65.78 | 72.07 |
| 82 | 596.60 | 55.76 | 62.06 |
| 83 | 602.19 | 49.47 | 55.76 |
| 84 | 607.77 | 39.49 | 48.38 |
| 85 | 613.35 | 27.56 | 48.50 |
| 86 | 618.94 | -28.62 | 48.42 |
| 87 | 624.52 | -31.61 | 41.75 |
| 88 | 630.10 | -40.87 | 45.37 |
| 89 | 635.69 | -48.45 | 52.95 |
| 90 | 641.27L | -61.57 | 66.06 |
| 90 | 641.27R | 66.85 | 72.61 |
| 91 | 647.26 | 61.11 | 66.87 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 94.86 | -9.99 | 104.85 |
| 53 | 409.37 | 340.00 | -43.50 | 383.49 |
| 54 | 414.96 | 462.19 | -77.00 | 539.19 |
| 55 | 420.54 | 417.10 | -112.41 | 529.51 |
| 56 | 426.13 | 443.85 | -149.51 | 593.36 |
| 57 | 431.71 | 414.28 | -186.61 | 600.88 |
| 58 | 437.30 | 261.87 | -229.26 | 491.13 |

C198 (LC4) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 87.08 | -352.66 | 439.74 |
| 60 | 448.46 | 67.68 | -592.69 | 660.38 |
| 61 | 455.32 | 81.99 | -301.21 | 383.20 |
| 62 | 462.18 | 358.02 | -149.56 | 507.58 |
| 63 | 469.04 | 493.94 | -118.79 | 612.73 |
| 64 | 475.89 | 568.51 | -92.45 | 660.96 |
| 65 | 482.75 | 591.10 | -108.31 | 699.41 |
| 66 | 489.61 | 604.85 | -150.18 | 755.03 |
| 67 | 496.47 | 526.88 | -192.05 | 718.92 |
| 68 | 503.32 | 340.34 | -238.93 | 579.26 |
| 69 | 510.18 | 118.74 | -384.80 | 503.54 |
| 70 | 517.04 | 53.09 | -693.47 | 746.56 |
| 71 | 523.88 | 51.03 | -352.48 | 403.52 |
| 72 | 530.72 | 332.18 | -199.09 | 531.27 |
| 73 | 537.56 | 475.98 | -158.50 | 634.48 |
| 74 | 544.40 | 556.00 | -122.93 | 678.93 |
| 75 | 551.24 | 552.10 | -87.42 | 639.52 |
| 76 | 558.08 | 574.52 | -114.90 | 689.42 |
| 77 | 564.92 | 493.50 | -147.57 | 641.08 |
| 78 | 571.76 | 310.42 | -186.13 | 496.56 |
| 79 | 578.60 | 86.24 | -352.71 | 438.96 |
| 80 | 585.43 | 61.42 | -650.77 | 712.18 |
| 81 | 591.02 | 59.96 | -388.09 | 448.05 |
| 82 | 596.60 | 267.95 | -227.10 | 495.05 |
| 83 | 602.19 | 397.86 | -186.82 | 584.68 |
| 84 | 607.77 | 469.28 | -155.20 | 624.48 |
| 85 | 613.35 | 516.98 | -126.69 | 643.67 |
| 86 | 618.94 | 490.55 | -139.53 | 630.08 |
| 87 | 624.52 | 442.13 | -179.09 | 621.22 |
| 88 | 630.10 | 355.89 | -224.39 | 580.29 |
| 89 | 635.69 | 221.66 | -269.70 | 491.35 |
| 90 | 641.27 | 33.19 | -369.26 | 402.45 |
| 91 | 647.26 | 2.51 | -0.47 | 2.98 |

C198 (LC4) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 50.76 | 53.96 |
| 53 | 409.38 | 35.65 | 38.86 |
| 54 | 414.97 | 21.74 | 30.09 |
| 55 | 420.55 | 22.29 | 38.22 |
| 56 | 426.13 | -28.29 | 44.46 |
| 57 | 431.72 | -32.94 | 38.11 |
| 58 | 437.30 | -39.76 | 41.36 |
| 59 | 442.88 | -53.54 | 54.59 |
| 60 | 448.46L | -63.73 | 64.77 |
| 60 | 448.46R | 63.48 | 65.98 |
| 61 | 455.32 | 57.07 | 59.57 |
| 62 | 462.18 | 44.21 | 47.90 |
| 63 | 469.04 | 42.81 | 47.90 |
| 64 | 475.89 | 28.83 | 49.91 |
| 65 | 482.75 | 30.33 | 60.63 |
| 66 | 489.61 | -27.35 | 46.81 |
| 67 | 496.47 | -37.63 | 46.15 |
| 68 | 503.32 | -41.92 | 43.89 |
| 69 | 510.18 | -54.11 | 55.67 |
| 70 | 517.04L | -64.34 | 65.91 |
| 70 | 517.04R | 66.98 | 68.83 |
| 71 | 523.93 | 59.79 | 61.64 |
| 72 | 530.82 | 44.00 | 48.25 |
| 73 | 537.70 | 38.68 | 44.47 |
| 74 | 544.59 | 27.03 | 47.59 |
| 75 | 551.48 | -27.57 | 42.63 |
| 76 | 558.37 | -27.64 | 45.44 |
| 77 | 565.26 | -37.42 | 43.92 |
| 78 | 572.14 | -41.85 | 45.76 |
| 79 | 579.03 | -53.58 | 55.77 |
| 80 | 585.92L | -64.97 | 67.17 |
| 80 | 585.92R | 68.02 | 71.57 |
| 81 | 591.44 | 61.54 | 65.08 |
| 82 | 596.95 | 50.54 | 54.08 |
| 83 | 602.47 | 44.01 | 51.53 |
| 84 | 607.98 | 38.23 | 48.17 |
| 85 | 613.50 | 25.47 | 46.80 |
| 86 | 619.02 | -29.70 | 47.44 |
| 87 | 624.53 | -28.50 | 41.69 |
| 88 | 630.05 | -36.59 | 42.54 |
| 89 | 635.57 | -48.34 | 51.34 |
| 90 | 641.08L | -56.24 | 59.24 |
| 90 | 641.08R | 63.20 | 66.11 |
| 91 | 647.14 | 57.25 | 59.70 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 91.45 | -5.27 | 96.73 |
| 53 | 409.38 | 314.64 | -22.82 | 337.46 |
| 54 | 414.97 | 408.30 | -40.38 | 448.67 |
| 55 | 420.55 | 353.62 | -63.60 | 417.22 |
| 56 | 426.13 | 379.77 | -91.74 | 471.51 |
| 57 | 431.72 | 353.05 | -119.89 | 472.94 |
| 58 | 437.30 | 218.64 | -164.94 | 383.58 |

C198 (LC4) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 70.50 | -280.72 | 351.22 |
| 60 | 448.46 | 38.05 | -491.62 | 529.67 |
| 61 | 455.32 | 81.99 | -265.89 | 347.88 |
| 62 | 462.18 | 301.84 | -118.18 | 420.02 |
| 63 | 469.04 | 393.51 | -78.88 | 472.39 |
| 64 | 475.89 | 449.78 | -53.50 | 503.28 |
| 65 | 482.75 | 427.33 | -49.54 | 476.86 |
| 66 | 489.61 | 466.28 | -84.30 | 550.58 |
| 67 | 496.47 | 406.99 | -119.09 | 526.07 |
| 68 | 503.32 | 262.97 | -169.14 | 432.10 |
| 69 | 510.18 | 99.05 | -326.45 | 425.50 |
| 70 | 517.04 | 30.96 | -579.90 | 610.86 |
| 71 | 523.93 | 56.08 | -300.19 | 356.26 |
| 72 | 530.82 | 284.88 | -144.18 | 429.06 |
| 73 | 537.70 | 384.65 | -99.91 | 484.56 |
| 74 | 544.59 | 446.29 | -69.29 | 515.58 |
| 75 | 551.48 | 420.84 | -38.81 | 459.65 |
| 76 | 558.37 | 454.45 | -63.02 | 517.47 |
| 77 | 565.26 | 386.57 | -90.67 | 477.24 |
| 78 | 572.14 | 236.56 | -132.92 | 369.47 |
| 79 | 579.03 | 60.77 | -315.63 | 376.40 |
| 80 | 585.92 | 40.47 | -574.21 | 614.69 |
| 81 | 591.44 | 58.87 | -355.26 | 414.14 |
| 82 | 596.95 | 243.01 | -197.99 | 441.01 |
| 83 | 602.47 | 342.11 | -146.61 | 488.72 |
| 84 | 607.98 | 391.85 | -112.20 | 504.05 |
| 85 | 613.50 | 428.99 | -86.37 | 515.36 |
| 86 | 619.02 | 396.37 | -84.61 | 480.98 |
| 87 | 624.53 | 343.50 | -116.10 | 459.60 |
| 88 | 630.05 | 276.30 | -162.52 | 438.82 |
| 89 | 635.57 | 165.24 | -208.94 | 374.18 |
| 90 | 641.08 | 17.20 | -336.62 | 353.82 |
| 91 | 647.14 | 1.23 | -0.03 | 1.26 |

C198 (LC4) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 52.37 | 58.48 |
| 53 | 409.40 | 39.58 | 45.70 |
| 54 | 414.98 | 26.19 | 32.31 |
| 55 | 420.56 | 20.73 | 38.52 |
| 56 | 426.14 | -29.68 | 44.43 |
| 57 | 431.72 | -34.23 | 38.93 |
| 58 | 437.30 | -44.95 | 46.72 |
| 59 | 442.88 | -58.24 | 60.02 |
| 60 | 448.46L | -66.88 | 68.66 |
| 60 | 448.46R | 67.96 | 73.87 |
| 61 | 455.32 | 63.68 | 69.59 |
| 62 | 462.18 | 53.29 | 59.20 |
| 63 | 469.04 | 46.74 | 52.41 |
| 64 | 475.90 | 34.14 | 51.23 |
| 65 | 482.76 | 28.23 | 54.02 |
| 66 | 489.62 | -32.07 | 48.36 |
| 67 | 496.48 | -41.52 | 47.40 |
| 68 | 503.34 | -49.86 | 53.21 |
| 69 | 510.20 | -59.42 | 62.77 |
| 70 | 517.06L | -69.71 | 73.05 |
| 70 | 517.06R | 71.28 | 75.32 |
| 71 | 523.99 | 67.19 | 71.23 |
| 72 | 530.93 | 54.41 | 58.45 |
| 73 | 537.87 | 44.33 | 48.35 |
| 74 | 544.81 | 33.27 | 49.60 |
| 75 | 551.75 | 25.82 | 45.29 |
| 76 | 558.68 | -32.66 | 48.25 |
| 77 | 565.62 | -41.61 | 47.43 |
| 78 | 572.56 | -50.87 | 55.59 |
| 79 | 579.50 | -60.23 | 64.96 |
| 80 | 586.44L | -71.89 | 76.62 |
| 80 | 586.44R | 71.57 | 78.33 |
| 81 | 591.88 | 68.30 | 75.06 |
| 82 | 597.33 | 58.74 | 65.49 |
| 83 | 602.78 | 45.85 | 52.61 |
| 84 | 608.23 | 41.25 | 51.67 |
| 85 | 613.67 | 28.30 | 50.90 |
| 86 | 619.12 | -29.86 | 49.99 |
| 87 | 624.57 | -33.77 | 43.72 |
| 88 | 630.02 | -42.17 | 48.35 |
| 89 | 635.46 | -50.11 | 56.29 |
| 90 | 640.91L | -60.92 | 67.10 |
| 90 | 640.91R | 70.29 | 76.43 |
| 91 | 647.03 | 61.08 | 66.43 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.15 | -10.04 | 106.20 |
| 53 | 409.40 | 340.54 | -43.21 | 383.75 |
| 54 | 414.98 | 462.27 | -76.37 | 538.64 |
| 55 | 420.56 | 417.02 | -111.51 | 528.52 |
| 56 | 426.14 | 444.15 | -148.29 | 592.45 |
| 57 | 431.72 | 414.73 | -185.08 | 599.81 |
| 58 | 437.30 | 262.13 | -227.15 | 489.28 |

C198 (LC4) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 87.15 | -353.55 | 440.70 |
| 60 | 448.46 | 74.37 | -594.19 | 668.56 |
| 61 | 455.32 | 84.00 | -301.80 | 385.81 |
| 62 | 462.18 | 358.12 | -149.69 | 507.81 |
| 63 | 469.04 | 492.25 | -118.97 | 611.22 |
| 64 | 475.90 | 564.62 | -92.71 | 657.33 |
| 65 | 482.76 | 593.37 | -118.71 | 712.08 |
| 66 | 489.62 | 608.38 | -165.00 | 773.39 |
| 67 | 496.48 | 531.61 | -211.30 | 742.91 |
| 68 | 503.34 | 345.97 | -263.26 | 609.23 |
| 69 | 510.20 | 124.81 | -405.37 | 530.18 |
| 70 | 517.06 | 56.23 | -722.11 | 778.34 |
| 71 | 523.99 | 44.88 | -362.02 | 406.90 |
| 72 | 530.93 | 344.08 | -198.05 | 542.13 |
| 73 | 537.87 | 497.23 | -159.04 | 656.27 |
| 74 | 544.81 | 580.53 | -123.10 | 703.64 |
| 75 | 551.75 | 582.66 | -87.18 | 669.83 |
| 76 | 558.68 | 591.71 | -113.03 | 704.74 |
| 77 | 565.62 | 500.63 | -144.57 | 645.20 |
| 78 | 572.56 | 300.29 | -180.41 | 480.70 |
| 79 | 579.50 | 58.60 | -383.25 | 441.85 |
| 80 | 586.44 | 72.59 | -720.36 | 792.95 |
| 81 | 591.88 | 72.32 | -446.55 | 518.86 |
| 82 | 597.33 | 275.99 | -285.57 | 561.56 |
| 83 | 602.78 | 412.11 | -240.08 | 652.19 |
| 84 | 608.23 | 481.82 | -200.50 | 682.32 |
| 85 | 613.67 | 520.37 | -164.85 | 685.22 |
| 86 | 619.12 | 487.65 | -149.33 | 636.98 |
| 87 | 624.57 | 437.10 | -186.83 | 623.93 |
| 88 | 630.02 | 329.85 | -229.75 | 559.60 |
| 89 | 635.46 | 215.02 | -272.66 | 487.68 |
| 90 | 640.91 | 36.80 | -388.99 | 425.80 |
| 91 | 647.03 | 5.35 | -0.47 | 5.82 |

C198 (LC5) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 48.75 | 54.72 |
| 53 | 409.37 | 37.50 | 43.47 |
| 54 | 414.96 | 24.90 | 32.38 |
| 55 | 420.54 | 21.51 | 39.91 |
| 56 | 426.13 | -29.79 | 47.63 |
| 57 | 431.71 | -34.31 | 42.97 |
| 58 | 437.30 | -46.22 | 48.22 |
| 59 | 442.88 | -56.73 | 58.32 |
| 60 | 448.46L | -67.48 | 69.06 |
| 60 | 448.46R | 68.59 | 73.86 |
| 61 | 455.32 | 62.29 | 67.56 |
| 62 | 462.18 | 54.23 | 59.49 |
| 63 | 469.04 | 43.66 | 49.15 |
| 64 | 475.89 | 35.59 | 52.06 |
| 65 | 482.75 | 26.35 | 47.97 |
| 66 | 489.61 | -32.19 | 50.42 |
| 67 | 496.47 | -41.12 | 49.51 |
| 68 | 503.32 | -49.17 | 52.57 |
| 69 | 510.18 | -58.38 | 61.78 |
| 70 | 517.04L | -69.30 | 72.69 |
| 70 | 517.04R | 69.30 | 73.31 |
| 71 | 523.88 | 64.49 | 68.49 |
| 72 | 530.72 | 54.47 | 58.48 |
| 73 | 537.56 | 45.01 | 48.65 |
| 74 | 544.40 | 34.65 | 52.19 |
| 75 | 551.24 | -32.10 | 58.18 |
| 76 | 558.08 | -32.10 | 49.06 |
| 77 | 564.92 | -40.55 | 47.50 |
| 78 | 571.76 | -47.78 | 52.13 |
| 79 | 578.60 | -57.50 | 61.86 |
| 80 | 585.43L | -68.68 | 73.03 |
| 80 | 585.43R | 69.43 | 75.44 |
| 81 | 591.02 | 65.42 | 71.43 |
| 82 | 596.60 | 58.17 | 64.17 |
| 83 | 602.19 | 45.89 | 51.90 |
| 84 | 607.77 | 36.38 | 46.78 |
| 85 | 613.35 | 30.74 | 52.19 |
| 86 | 618.94 | -28.27 | 46.38 |
| 87 | 624.52 | -31.04 | 42.01 |
| 88 | 630.10 | -39.96 | 44.80 |
| 89 | 635.69 | -47.82 | 52.18 |
| 90 | 641.27L | -58.47 | 62.83 |
| 90 | 641.27R | 67.23 | 72.82 |
| 91 | 647.26 | 61.87 | 67.46 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 94.88 | -9.83 | 104.71 |
| 53 | 409.37 | 340.12 | -42.79 | 382.91 |
| 54 | 414.96 | 462.41 | -75.75 | 538.16 |
| 55 | 420.54 | 419.28 | -110.60 | 529.88 |
| 56 | 426.13 | 444.26 | -147.13 | 591.39 |
| 57 | 431.71 | 414.78 | -183.65 | 598.44 |
| 58 | 437.30 | 257.57 | -225.70 | 483.27 |

C198 (LC5) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 84.50 | -354.68 | 439.18 |
| 60 | 448.46 | 66.68 | -583.82 | 650.50 |
| 61 | 455.32 | 94.21 | -303.22 | 397.42 |
| 62 | 462.18 | 357.45 | -150.51 | 507.96 |
| 63 | 469.04 | 492.96 | -119.48 | 612.44 |
| 64 | 475.89 | 567.78 | -92.96 | 660.73 |
| 65 | 482.75 | 595.49 | -106.68 | 702.17 |
| 66 | 489.61 | 606.30 | -147.97 | 754.27 |
| 67 | 496.47 | 527.02 | -189.26 | 716.28 |
| 68 | 503.32 | 339.81 | -235.53 | 575.34 |
| 69 | 510.18 | 121.88 | -391.09 | 512.97 |
| 70 | 517.04 | 53.91 | -689.64 | 743.56 |
| 71 | 523.88 | 59.34 | -355.55 | 414.89 |
| 72 | 530.72 | 331.70 | -199.05 | 530.75 |
| 73 | 537.56 | 475.43 | -158.61 | 634.04 |
| 74 | 544.40 | 555.90 | -123.06 | 678.95 |
| 75 | 551.24 | 552.33 | -87.51 | 639.84 |
| 76 | 558.08 | 573.05 | -116.68 | 689.73 |
| 77 | 564.92 | 492.50 | -149.83 | 642.33 |
| 78 | 571.76 | 310.44 | -188.94 | 499.37 |
| 79 | 578.60 | 94.12 | -354.97 | 449.09 |
| 80 | 585.43 | 61.48 | -644.65 | 706.13 |
| 81 | 591.02 | 58.53 | -392.41 | 450.94 |
| 82 | 596.60 | 268.15 | -223.95 | 492.10 |
| 83 | 602.19 | 400.22 | -184.17 | 584.39 |
| 84 | 607.77 | 473.82 | -152.97 | 626.79 |
| 85 | 613.35 | 522.80 | -124.85 | 647.65 |
| 86 | 618.94 | 497.41 | -132.84 | 630.25 |
| 87 | 624.52 | 442.16 | -170.51 | 612.67 |
| 88 | 630.10 | 350.34 | -213.64 | 563.98 |
| 89 | 635.69 | 228.92 | -256.78 | 485.70 |
| 90 | 641.27 | 32.70 | -367.80 | 400.51 |
| 91 | 647.26 | 2.50 | -0.47 | 2.97 |

C198 (LC5) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 46.96 | 50.09 |
| 53 | 409.38 | 35.94 | 39.07 |
| 54 | 414.97 | 22.16 | 32.78 |
| 55 | 420.55 | 25.58 | 42.01 |
| 56 | 426.13 | -28.82 | 47.95 |
| 57 | 431.72 | -34.67 | 44.02 |
| 58 | 437.30 | -40.63 | 44.57 |
| 59 | 442.88 | -52.13 | 53.15 |
| 60 | 448.46L | -64.66 | 65.67 |
| 60 | 448.46R | 63.85 | 66.27 |
| 61 | 455.32 | 55.79 | 58.21 |
| 62 | 462.18 | 45.33 | 51.48 |
| 63 | 469.04 | 39.30 | 45.87 |
| 64 | 475.89 | 30.46 | 50.62 |
| 65 | 482.75 | 32.03 | 63.33 |
| 66 | 489.61 | -27.71 | 49.11 |
| 67 | 496.47 | -37.60 | 48.52 |
| 68 | 503.32 | -41.61 | 45.71 |
| 69 | 510.18 | -53.62 | 55.19 |
| 70 | 517.04L | -65.63 | 67.20 |
| 70 | 517.04R | 65.27 | 67.15 |
| 71 | 523.93 | 58.26 | 60.14 |
| 72 | 530.82 | 46.54 | 49.56 |
| 73 | 537.70 | 40.86 | 45.87 |
| 74 | 544.59 | 29.92 | 50.97 |
| 75 | 551.48 | -30.18 | 48.54 |
| 76 | 558.37 | -28.01 | 48.35 |
| 77 | 565.26 | -38.64 | 46.18 |
| 78 | 572.14 | -41.47 | 44.95 |
| 79 | 579.03 | -56.33 | 58.49 |
| 80 | 585.92L | -65.22 | 67.38 |
| 80 | 585.92R | 66.82 | 70.34 |
| 81 | 591.44 | 60.28 | 63.79 |
| 82 | 596.95 | 52.98 | 56.49 |
| 83 | 602.47 | 40.20 | 48.45 |
| 84 | 607.98 | 34.70 | 45.27 |
| 85 | 613.50 | 28.66 | 50.32 |
| 86 | 619.02 | -29.41 | 46.01 |
| 87 | 624.53 | -27.83 | 41.66 |
| 88 | 630.05 | -35.98 | 42.69 |
| 89 | 635.57 | -45.23 | 48.17 |
| 90 | 641.08L | -57.47 | 60.41 |
| 90 | 641.08R | 61.25 | 64.10 |
| 91 | 647.14 | 53.50 | 55.88 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 91.44 | -5.19 | 96.63 |
| 53 | 409.38 | 314.63 | -22.48 | 337.11 |
| 54 | 414.97 | 408.29 | -39.76 | 448.05 |
| 55 | 420.55 | 351.69 | -62.69 | 414.38 |
| 56 | 426.13 | 379.82 | -90.53 | 470.35 |
| 57 | 431.72 | 353.25 | -118.37 | 471.62 |
| 58 | 437.30 | 213.87 | -163.05 | 376.92 |

C198 (LC5) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 63.23 | -280.08 | 343.32 |
| 60 | 448.46 | 37.54 | -482.11 | 519.65 |
| 61 | 455.32 | 92.81 | -267.16 | 359.97 |
| 62 | 462.18 | 302.54 | -119.51 | 422.05 |
| 63 | 469.04 | 392.95 | -79.61 | 472.56 |
| 64 | 475.89 | 449.10 | -53.90 | 502.99 |
| 65 | 482.75 | 429.18 | -48.72 | 477.90 |
| 66 | 489.61 | 466.76 | -83.15 | 549.90 |
| 67 | 496.47 | 406.91 | -117.60 | 524.51 |
| 68 | 503.32 | 263.64 | -167.25 | 430.89 |
| 69 | 510.18 | 101.07 | -330.90 | 431.97 |
| 70 | 517.04 | 31.42 | -573.14 | 604.55 |
| 71 | 523.93 | 63.03 | -301.60 | 364.63 |
| 72 | 530.82 | 285.56 | -142.84 | 428.40 |
| 73 | 537.70 | 384.32 | -99.13 | 483.45 |
| 74 | 544.59 | 446.10 | -69.03 | 515.13 |
| 75 | 551.48 | 420.80 | -38.84 | 459.65 |
| 76 | 558.37 | 453.65 | -63.97 | 517.61 |
| 77 | 565.26 | 386.13 | -91.95 | 478.08 |
| 78 | 572.14 | 237.78 | -134.64 | 372.42 |
| 79 | 579.03 | 67.12 | -315.77 | 382.89 |
| 80 | 585.92 | 40.24 | -563.91 | 604.15 |
| 81 | 591.44 | 54.85 | -354.44 | 409.30 |
| 82 | 596.95 | 242.65 | -196.04 | 438.69 |
| 83 | 602.47 | 342.98 | -144.98 | 487.96 |
| 84 | 607.98 | 394.24 | -110.85 | 505.09 |
| 85 | 613.50 | 432.27 | -85.27 | 517.54 |
| 86 | 619.02 | 400.44 | -84.02 | 484.46 |
| 87 | 624.53 | 343.61 | -115.42 | 459.02 |
| 88 | 630.05 | 276.71 | -161.82 | 438.53 |
| 89 | 635.57 | 164.92 | -212.08 | 377.01 |
| 90 | 641.08 | 16.97 | -331.11 | 348.09 |
| 91 | 647.14 | 1.24 | -0.03 | 1.27 |

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 48.69 | 54.64 |
| 53 | 409.40 | 37.41 | 43.36 |
| 54 | 414.98 | 24.83 | 32.34 |
| 55 | 420.56 | 21.51 | 39.98 |
| 56 | 426.14 | -29.84 | 47.68 |
| 57 | 431.72 | -34.34 | 42.97 |
| 58 | 437.30 | -46.27 | 48.25 |
| 59 | 442.88 | -56.78 | 58.53 |
| 60 | 448.46L | -67.52 | 69.27 |
| 60 | 448.46R | 68.85 | 74.64 |
| 61 | 455.32 | 62.39 | 68.18 |
| 62 | 462.18 | 54.27 | 60.06 |
| 63 | 469.04 | 43.75 | 49.30 |
| 64 | 475.90 | 35.69 | 52.14 |
| 65 | 482.76 | 27.00 | 53.95 |
| 66 | 489.62 | -32.55 | 50.93 |
| 67 | 496.48 | -41.57 | 50.06 |
| 68 | 503.34 | -49.46 | 52.82 |
| 69 | 510.20 | -59.05 | 62.41 |
| 70 | 517.06L | -70.36 | 73.72 |
| 70 | 517.06R | 70.86 | 74.97 |
| 71 | 523.99 | 66.52 | 70.62 |
| 72 | 530.93 | 56.81 | 60.91 |
| 73 | 537.87 | 46.34 | 51.95 |
| 74 | 544.81 | 36.16 | 55.18 |
| 75 | 551.75 | 29.29 | 49.71 |
| 76 | 558.68 | -33.10 | 50.50 |
| 77 | 565.62 | -41.61 | 47.09 |
| 78 | 572.56 | -50.46 | 55.10 |
| 79 | 579.50 | -63.40 | 68.04 |
| 80 | 586.44L | -70.85 | 75.49 |
| 80 | 586.44R | 72.22 | 79.18 |
| 81 | 591.88 | 65.76 | 72.72 |
| 82 | 597.33 | 61.05 | 68.01 |
| 83 | 602.78 | 48.76 | 55.72 |
| 84 | 608.23 | 43.94 | 55.90 |
| 85 | 613.67 | 31.71 | 54.84 |
| 86 | 619.12 | -29.48 | 48.31 |
| 87 | 624.57 | -33.22 | 44.36 |
| 88 | 630.02 | -41.04 | 47.03 |
| 89 | 635.46 | -49.98 | 55.98 |
| 90 | 640.91L | -61.93 | 67.93 |
| 90 | 640.91R | 68.37 | 74.34 |
| 91 | 647.03 | 60.88 | 66.09 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.17 | -9.87 | 106.04 |
| 53 | 409.40 | 340.66 | -42.45 | 383.11 |
| 54 | 414.98 | 462.48 | -75.03 | 537.51 |
| 55 | 420.56 | 419.49 | -109.56 | 529.06 |
| 56 | 426.14 | 444.56 | -145.74 | 590.29 |
| 57 | 431.72 | 415.22 | -181.91 | 597.13 |
| 58 | 437.30 | 257.48 | -223.33 | 480.81 |

C198 (LC5) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 84.57 | -355.58 | 440.15 |
| 60 | 448.46 | 73.24 | -585.43 | 658.67 |
| 61 | 455.32 | 95.80 | -303.82 | 399.62 |
| 62 | 462.18 | 357.54 | -150.50 | 508.04 |
| 63 | 469.04 | 491.06 | -119.55 | 610.61 |
| 64 | 475.90 | 563.65 | -93.13 | 656.78 |
| 65 | 482.76 | 597.80 | -116.87 | 714.66 |
| 66 | 489.62 | 609.85 | -162.49 | 772.34 |
| 67 | 496.48 | 531.75 | -208.13 | 739.88 |
| 68 | 503.34 | 345.34 | -259.39 | 604.73 |
| 69 | 510.20 | 127.82 | -412.08 | 539.90 |
| 70 | 517.06 | 57.12 | -718.99 | 776.12 |
| 71 | 523.99 | 53.25 | -364.70 | 417.95 |
| 72 | 530.93 | 343.72 | -198.02 | 541.74 |
| 73 | 537.87 | 496.58 | -159.18 | 655.77 |
| 74 | 544.81 | 580.36 | -123.22 | 703.58 |
| 75 | 551.75 | 582.81 | -87.26 | 670.07 |
| 76 | 558.68 | 590.19 | -114.85 | 705.03 |
| 77 | 565.62 | 499.47 | -146.86 | 646.33 |
| 78 | 572.56 | 301.10 | -183.23 | 484.34 |
| 79 | 579.50 | 62.18 | -386.73 | 448.91 |
| 80 | 586.44 | 72.66 | -711.32 | 783.98 |
| 81 | 591.88 | 68.73 | -453.92 | 522.66 |
| 82 | 597.33 | 276.36 | -281.64 | 558.00 |
| 83 | 602.78 | 414.74 | -236.70 | 651.44 |
| 84 | 608.23 | 486.74 | -197.64 | 684.38 |
| 85 | 613.67 | 526.64 | -162.48 | 689.12 |
| 86 | 619.12 | 495.49 | -153.67 | 649.16 |
| 87 | 624.57 | 437.72 | -192.28 | 630.00 |
| 88 | 630.02 | 334.00 | -236.51 | 570.51 |
| 89 | 635.46 | 203.44 | -280.73 | 484.17 |
| 90 | 640.91 | 36.14 | -387.08 | 423.21 |
| 91 | 647.03 | 5.35 | -0.46 | 5.81 |

C198 (LC6) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 55.59 | 61.31 |
| 53 | 409.37 | 44.12 | 49.84 |
| 54 | 414.96 | 29.78 | 37.44 |
| 55 | 420.54 | 23.17 | 42.03 |
| 56 | 426.13 | -29.94 | 44.77 |
| 57 | 431.71 | -34.39 | 40.32 |
| 58 | 437.30 | -43.87 | 45.43 |
| 59 | 442.88 | -57.41 | 58.97 |
| 60 | 448.46L | -68.05 | 69.61 |
| 60 | 448.46R | 66.52 | 71.68 |
| 61 | 455.32 | 61.83 | 67.00 |
| 62 | 462.18 | 55.19 | 60.38 |
| 63 | 469.04 | 44.77 | 51.89 |
| 64 | 475.89 | 36.71 | 52.94 |
| 65 | 482.75 | 27.56 | 50.20 |
| 66 | 489.61 | -32.55 | 52.91 |
| 67 | 496.47 | -41.12 | 46.83 |
| 68 | 503.32 | -48.60 | 51.89 |
| 69 | 510.18 | -60.07 | 63.35 |
| 70 | 517.04L | -70.03 | 73.32 |
| 70 | 517.04R | 69.99 | 74.06 |
| 71 | 523.88 | 65.51 | 69.58 |
| 72 | 530.72 | 56.86 | 60.93 |
| 73 | 537.56 | 46.91 | 51.67 |
| 74 | 544.40 | 37.28 | 55.66 |
| 75 | 551.24 | -32.23 | 58.98 |
| 76 | 558.08 | -32.23 | 52.49 |
| 77 | 564.92 | -40.47 | 48.85 |
| 78 | 571.76 | -47.63 | 51.98 |
| 79 | 578.60 | -58.02 | 62.37 |
| 80 | 585.43L | -66.82 | 71.17 |
| 80 | 585.43R | 70.20 | 76.32 |
| 81 | 591.02 | 64.41 | 70.53 |
| 82 | 596.60 | 54.48 | 60.60 |
| 83 | 602.19 | 48.28 | 54.58 |
| 84 | 607.77 | 38.74 | 50.63 |
| 85 | 613.35 | 27.16 | 49.10 |
| 86 | 618.94 | -27.91 | 47.71 |
| 87 | 624.52 | -30.47 | 42.37 |
| 88 | 630.10 | -39.50 | 45.00 |
| 89 | 635.69 | -48.76 | 52.96 |
| 90 | 641.27L | -59.54 | 63.74 |
| 90 | 641.27R | 65.73 | 71.21 |
| 91 | 647.26 | 60.72 | 66.21 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 94.90 | -9.76 | 104.66 |
| 53 | 409.37 | 340.22 | -42.51 | 382.72 |
| 54 | 414.96 | 464.79 | -75.25 | 540.05 |
| 55 | 420.54 | 430.50 | -109.84 | 540.34 |
| 56 | 426.13 | 444.60 | -146.04 | 590.64 |
| 57 | 431.71 | 415.20 | -182.25 | 597.45 |
| 58 | 437.30 | 258.85 | -223.81 | 482.67 |

C198 (LC6) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 87.70 | -355.38 | 443.08 |
| 60 | 448.46 | 66.36 | -572.28 | 638.65 |
| 61 | 455.32 | 90.19 | -302.96 | 393.15 |
| 62 | 462.18 | 357.06 | -144.98 | 502.04 |
| 63 | 469.04 | 492.41 | -115.12 | 607.53 |
| 64 | 475.89 | 567.38 | -89.58 | 656.96 |
| 65 | 482.75 | 600.14 | -106.15 | 706.29 |
| 66 | 489.61 | 608.58 | -147.26 | 755.84 |
| 67 | 496.47 | 527.36 | -188.36 | 715.73 |
| 68 | 503.32 | 339.47 | -234.45 | 573.92 |
| 69 | 510.18 | 125.44 | -395.85 | 521.29 |
| 70 | 517.04 | 54.74 | -686.22 | 740.96 |
| 71 | 523.88 | 66.44 | -358.51 | 424.95 |
| 72 | 530.72 | 331.35 | -199.47 | 530.82 |
| 73 | 537.56 | 474.97 | -158.95 | 633.92 |
| 74 | 544.40 | 556.52 | -123.32 | 679.85 |
| 75 | 551.24 | 554.78 | -87.70 | 642.48 |
| 76 | 558.08 | 571.90 | -118.48 | 690.38 |
| 77 | 564.92 | 491.65 | -152.12 | 643.76 |
| 78 | 571.76 | 310.44 | -191.77 | 502.21 |
| 79 | 578.60 | 97.86 | -355.81 | 453.66 |
| 80 | 585.43 | 61.61 | -636.87 | 698.48 |
| 81 | 591.02 | 60.00 | -392.61 | 452.61 |
| 82 | 596.60 | 268.38 | -221.38 | 489.76 |
| 83 | 602.19 | 402.60 | -182.01 | 584.60 |
| 84 | 607.77 | 478.12 | -151.15 | 629.27 |
| 85 | 613.35 | 528.25 | -123.35 | 651.60 |
| 86 | 618.94 | 503.82 | -135.47 | 639.29 |
| 87 | 624.52 | 442.71 | -173.94 | 616.65 |
| 88 | 630.10 | 348.26 | -218.03 | 566.29 |
| 89 | 635.69 | 235.10 | -262.13 | 497.22 |
| 90 | 641.27 | 32.40 | -366.50 | 398.90 |
| 91 | 647.26 | 2.49 | -0.46 | 2.95 |

C198 (LC6) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 53.24 | 56.25 |
| 53 | 409.38 | 40.39 | 43.39 |
| 54 | 414.97 | 25.26 | 32.90 |
| 55 | 420.55 | 24.92 | 41.68 |
| 56 | 426.13 | -28.38 | 44.54 |
| 57 | 431.72 | -32.95 | 39.42 |
| 58 | 437.30 | -38.64 | 41.34 |
| 59 | 442.88 | -52.66 | 53.66 |
| 60 | 448.46L | -65.56 | 66.55 |
| 60 | 448.46R | 61.13 | 63.49 |
| 61 | 455.32 | 54.62 | 56.98 |
| 62 | 462.18 | 46.42 | 55.42 |
| 63 | 469.04 | 40.59 | 48.97 |
| 64 | 475.89 | 31.64 | 50.87 |
| 65 | 482.75 | -32.20 | 64.20 |
| 66 | 489.61 | -28.01 | 51.32 |
| 67 | 496.47 | -37.85 | 45.60 |
| 68 | 503.32 | -41.29 | 44.54 |
| 69 | 510.18 | -54.55 | 56.08 |
| 70 | 517.04L | -62.68 | 64.21 |
| 70 | 517.04R | 66.58 | 68.48 |
| 71 | 523.93 | 59.55 | 61.45 |
| 72 | 530.82 | 49.21 | 54.91 |
| 73 | 537.70 | 42.91 | 49.56 |
| 74 | 544.59 | 32.62 | 54.53 |
| 75 | 551.48 | -28.34 | 49.57 |
| 76 | 558.37 | -28.13 | 51.60 |
| 77 | 565.26 | -37.29 | 45.08 |
| 78 | 572.14 | -41.01 | 46.21 |
| 79 | 579.03 | -52.71 | 54.87 |
| 80 | 585.92L | -65.81 | 67.97 |
| 80 | 585.92R | 67.99 | 71.54 |
| 81 | 591.44 | 59.90 | 63.45 |
| 82 | 596.95 | 48.99 | 52.54 |
| 83 | 602.47 | 42.54 | 51.69 |
| 84 | 607.98 | 37.32 | 49.02 |
| 85 | 613.50 | 25.04 | 47.02 |
| 86 | 619.02 | -29.13 | 47.04 |
| 87 | 624.53 | -27.16 | 41.61 |
| 88 | 630.05 | -35.62 | 42.84 |
| 89 | 635.57 | -44.17 | 47.00 |
| 90 | 641.08L | -58.89 | 61.71 |
| 90 | 641.08R | 62.55 | 65.36 |
| 91 | 647.14 | 58.56 | 60.90 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 91.42 | -5.13 | 96.55 |
| 53 | 409.38 | 314.59 | -22.18 | 336.78 |
| 54 | 414.97 | 414.11 | -39.24 | 453.35 |
| 55 | 420.55 | 364.77 | -61.93 | 426.70 |
| 56 | 426.13 | 379.86 | -89.52 | 469.38 |
| 57 | 431.72 | 353.38 | -117.10 | 470.47 |
| 58 | 437.30 | 213.86 | -161.48 | 375.34 |

C198 (LC6) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 67.73 | -278.68 | 346.41 |
| 60 | 448.46 | 37.32 | -468.96 | 506.28 |
| 61 | 455.32 | 87.69 | -266.30 | 354.00 |
| 62 | 462.18 | 302.98 | -115.04 | 418.02 |
| 63 | 469.04 | 392.46 | -76.71 | 469.17 |
| 64 | 475.89 | 448.64 | -51.97 | 500.61 |
| 65 | 482.75 | 431.15 | -48.36 | 479.52 |
| 66 | 489.61 | 467.55 | -82.66 | 550.21 |
| 67 | 496.47 | 406.89 | -116.98 | 523.87 |
| 68 | 503.32 | 263.99 | -166.49 | 430.49 |
| 69 | 510.18 | 103.37 | -334.16 | 437.53 |
| 70 | 517.04 | 31.88 | -567.80 | 599.67 |
| 71 | 523.93 | 66.11 | -302.04 | 368.14 |
| 72 | 530.82 | 285.92 | -142.68 | 428.61 |
| 73 | 537.70 | 384.02 | -99.33 | 483.35 |
| 74 | 544.59 | 446.10 | -69.17 | 515.27 |
| 75 | 551.48 | 420.94 | -38.93 | 459.87 |
| 76 | 558.37 | 453.04 | -64.93 | 517.97 |
| 77 | 565.26 | 385.70 | -93.24 | 478.94 |
| 78 | 572.14 | 238.59 | -136.39 | 374.97 |
| 79 | 579.03 | 68.49 | -316.66 | 385.16 |
| 80 | 585.92 | 40.68 | -554.82 | 595.50 |
| 81 | 591.44 | 55.49 | -354.22 | 409.72 |
| 82 | 596.95 | 242.26 | -197.99 | 440.25 |
| 83 | 602.47 | 343.86 | -143.52 | 487.38 |
| 84 | 607.98 | 396.49 | -109.64 | 506.14 |
| 85 | 613.50 | 435.35 | -84.28 | 519.63 |
| 86 | 619.02 | 404.13 | -84.91 | 489.04 |
| 87 | 624.53 | 343.84 | -116.68 | 460.52 |
| 88 | 630.05 | 268.23 | -163.65 | 431.88 |
| 89 | 635.57 | 169.02 | -216.10 | 385.13 |
| 90 | 641.08 | 16.79 | -325.90 | 342.68 |
| 91 | 647.14 | 1.23 | -0.03 | 1.26 |

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 55.54 | 61.22 |
| 53 | 409.40 | 44.04 | 49.72 |
| 54 | 414.98 | 29.70 | 37.43 |
| 55 | 420.56 | 23.16 | 42.11 |
| 56 | 426.14 | -29.99 | 44.80 |
| 57 | 431.72 | -34.42 | 40.34 |
| 58 | 437.30 | -43.92 | 45.61 |
| 59 | 442.88 | -57.46 | 59.15 |
| 60 | 448.46L | -68.10 | 69.79 |
| 60 | 448.46R | 66.30 | 71.92 |
| 61 | 455.32 | 61.86 | 67.47 |
| 62 | 462.18 | 55.22 | 60.84 |
| 63 | 469.04 | 44.86 | 51.98 |
| 64 | 475.90 | 36.81 | 53.12 |
| 65 | 482.76 | 28.19 | 56.21 |
| 66 | 489.62 | -32.97 | 53.46 |
| 67 | 496.48 | -41.59 | 47.27 |
| 68 | 503.34 | -49.36 | 52.62 |
| 69 | 510.20 | -59.89 | 63.15 |
| 70 | 517.06L | -68.41 | 71.67 |
| 70 | 517.06R | 71.39 | 75.55 |
| 71 | 523.99 | 67.54 | 71.70 |
| 72 | 530.93 | 59.19 | 63.35 |
| 73 | 537.87 | 43.70 | 48.61 |
| 74 | 544.81 | 33.00 | 51.01 |
| 75 | 551.75 | 26.39 | 47.74 |
| 76 | 558.68 | -33.32 | 48.14 |
| 77 | 565.62 | -41.58 | 48.78 |
| 78 | 572.56 | -49.90 | 54.54 |
| 79 | 579.50 | -59.78 | 64.42 |
| 80 | 586.44L | -70.47 | 75.11 |
| 80 | 586.44R | 71.72 | 78.40 |
| 81 | 591.88 | 67.03 | 73.72 |
| 82 | 597.33 | 57.54 | 64.23 |
| 83 | 602.78 | 51.41 | 59.33 |
| 84 | 608.23 | 40.57 | 54.05 |
| 85 | 613.67 | 34.67 | 58.06 |
| 86 | 619.12 | -29.11 | 49.60 |
| 87 | 624.57 | -32.68 | 44.94 |
| 88 | 630.02 | -41.10 | 46.86 |
| 89 | 635.46 | -49.93 | 55.69 |
| 90 | 640.91L | -62.95 | 68.71 |
| 90 | 640.91R | 69.41 | 75.27 |
| 91 | 647.03 | 61.60 | 66.72 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.19 | -9.78 | 105.96 |
| 53 | 409.40 | 340.75 | -42.05 | 382.80 |
| 54 | 414.98 | 464.72 | -74.33 | 539.05 |
| 55 | 420.56 | 430.50 | -108.50 | 539.00 |
| 56 | 426.14 | 444.88 | -144.27 | 589.15 |
| 57 | 431.72 | 415.63 | -180.03 | 595.66 |
| 58 | 437.30 | 259.14 | -220.86 | 480.00 |
| 59 | 442.88 | 87.76 | -356.42 | 444.18 |

C198 (LC6) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 72.68 | -573.88 | 646.56 |
| 61 | 455.32 | 92.54 | -303.57 | 396.11 |
| 62 | 462.18 | 357.10 | -145.13 | 502.24 |
| 63 | 469.04 | 490.34 | -115.31 | 605.66 |
| 64 | 475.90 | 563.08 | -89.84 | 652.93 |
| 65 | 482.76 | 602.48 | -115.94 | 718.42 |
| 66 | 489.62 | 612.16 | -161.24 | 773.40 |
| 67 | 496.48 | 532.10 | -206.55 | 738.65 |
| 68 | 503.34 | 344.93 | -257.47 | 602.40 |
| 69 | 510.20 | 131.24 | -417.64 | 548.89 |
| 70 | 517.06 | 58.05 | -716.58 | 774.63 |
| 71 | 523.99 | 56.26 | -367.93 | 424.20 |
| 72 | 530.93 | 343.48 | -198.44 | 541.92 |
| 73 | 537.87 | 496.06 | -159.52 | 655.58 |
| 74 | 544.81 | 580.57 | -123.48 | 704.06 |
| 75 | 551.75 | 583.25 | -87.45 | 670.70 |
| 76 | 558.68 | 589.01 | -116.72 | 705.74 |
| 77 | 565.62 | 498.66 | -149.24 | 647.90 |
| 78 | 572.56 | 301.77 | -186.15 | 487.92 |
| 79 | 579.50 | 67.37 | -388.14 | 455.51 |
| 80 | 586.44 | 72.81 | -704.36 | 777.17 |
| 81 | 591.88 | 69.33 | -454.12 | 523.45 |
| 82 | 597.33 | 276.78 | -278.11 | 554.89 |
| 83 | 602.78 | 417.37 | -233.66 | 651.04 |
| 84 | 608.23 | 491.45 | -195.06 | 686.51 |
| 85 | 613.67 | 532.68 | -160.34 | 693.02 |
| 86 | 619.12 | 502.78 | -147.34 | 650.12 |
| 87 | 624.57 | 438.25 | -184.36 | 622.61 |
| 88 | 630.02 | 327.93 | -226.76 | 554.69 |
| 89 | 635.46 | 210.53 | -269.16 | 479.69 |
| 90 | 640.91 | 35.56 | -384.98 | 420.55 |
| 91 | 647.03 | 5.35 | -0.45 | 5.80 |

C214b Service Loads

(LC for Variable Axel Spacing)

C214 (LC1) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 54.84 | 61.54 |
| 53 | 409.37 | 38.41 | 45.11 |
| 54 | 414.96 | 26.97 | 34.96 |
| 55 | 420.54 | 23.24 | 42.21 |
| 56 | 426.13 | -33.19 | 48.56 |
| 57 | 431.71 | -40.25 | 45.64 |
| 58 | 437.30 | -47.75 | 49.52 |
| 59 | 442.88 | -61.15 | 62.92 |
| 60 | 448.46L | -75.23 | 77.00 |
| 60 | 448.46R | 73.13 | 79.06 |
| 61 | 455.32 | 67.80 | 73.73 |
| 62 | 462.18 | 55.61 | 61.54 |
| 63 | 469.04 | 48.32 | 54.00 |
| 64 | 475.89 | 33.79 | 48.12 |
| 65 | 482.75 | 28.19 | 49.76 |
| 66 | 489.61 | -34.13 | 53.15 |
| 67 | 496.47 | -45.60 | 48.90 |
| 68 | 503.32 | -54.16 | 57.61 |
| 69 | 510.18 | -65.46 | 68.91 |
| 70 | 517.04L | -76.46 | 79.90 |
| 70 | 517.04R | 76.79 | 80.91 |
| 71 | 523.88 | 70.80 | 74.91 |
| 72 | 530.72 | 60.16 | 64.27 |
| 73 | 537.56 | 49.49 | 53.23 |
| 74 | 544.40 | 37.76 | 54.59 |
| 75 | 551.24 | -33.78 | 61.18 |
| 76 | 558.08 | -33.78 | 51.46 |
| 77 | 564.92 | -45.40 | 50.04 |
| 78 | 571.76 | -53.04 | 57.96 |
| 79 | 578.60 | -64.51 | 69.42 |
| 80 | 585.43L | -73.98 | 78.90 |
| 80 | 585.43R | 76.61 | 82.79 |
| 81 | 591.02 | 69.65 | 75.82 |
| 82 | 596.60 | 57.29 | 63.46 |
| 83 | 602.19 | 50.82 | 57.00 |
| 84 | 607.77 | 40.64 | 48.22 |
| 85 | 613.35 | 25.95 | 48.37 |
| 86 | 618.94 | -32.73 | 49.16 |
| 87 | 624.52 | -36.06 | 46.63 |
| 88 | 630.10 | -45.09 | 49.98 |
| 89 | 635.69 | -53.16 | 58.06 |
| 90 | 641.27L | -64.98 | 69.87 |
| 90 | 641.27R | 71.71 | 77.86 |
| 91 | 647.26 | 65.37 | 71.52 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 99.43 | -10.35 | 109.78 |
| 53 | 409.37 | 347.35 | -45.06 | 392.41 |
| 54 | 414.96 | 485.57 | -79.77 | 565.34 |
| 55 | 420.54 | 455.73 | -116.41 | 572.14 |
| 56 | 426.13 | 457.54 | -154.75 | 612.29 |
| 57 | 431.71 | 379.02 | -193.09 | 572.11 |
| 58 | 437.30 | 244.82 | -237.05 | 481.87 |
| 59 | 442.88 | 70.31 | -370.53 | 440.84 |

C214 (LC1) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 70.75 | -630.32 | 701.07 |
| 61 | 455.32 | 57.86 | -303.96 | 361.82 |
| 62 | 462.18 | 336.40 | -153.29 | 489.68 |
| 63 | 469.04 | 481.82 | -121.83 | 603.66 |
| 64 | 475.89 | 561.81 | -94.87 | 656.67 |
| 65 | 482.75 | 606.78 | -113.06 | 719.83 |
| 66 | 489.61 | 590.17 | -157.00 | 747.17 |
| 67 | 496.47 | 515.76 | -200.94 | 716.70 |
| 68 | 503.32 | 327.86 | -250.30 | 578.15 |
| 69 | 510.18 | 97.00 | -394.15 | 491.15 |
| 70 | 517.04 | 53.73 | -739.64 | 793.37 |
| 71 | 523.88 | 34.53 | -367.65 | 402.17 |
| 72 | 530.72 | 313.76 | -207.65 | 521.41 |
| 73 | 537.56 | 465.44 | -165.47 | 630.92 |
| 74 | 544.40 | 549.20 | -128.39 | 677.59 |
| 75 | 551.24 | 580.33 | -91.31 | 671.64 |
| 76 | 558.08 | 559.29 | -116.28 | 675.56 |
| 77 | 564.92 | 481.19 | -149.26 | 630.44 |
| 78 | 571.76 | 295.19 | -188.09 | 483.28 |
| 79 | 578.60 | 66.50 | -358.84 | 425.34 |
| 80 | 585.43 | 64.14 | -691.33 | 755.47 |
| 81 | 591.02 | 56.40 | -407.64 | 464.05 |
| 82 | 596.60 | 246.10 | -235.03 | 481.13 |
| 83 | 602.19 | 379.74 | -193.51 | 573.26 |
| 84 | 607.77 | 449.76 | -160.84 | 610.60 |
| 85 | 613.35 | 486.51 | -131.34 | 617.85 |
| 86 | 618.94 | 470.81 | -137.28 | 608.08 |
| 87 | 624.52 | 414.17 | -176.10 | 590.27 |
| 88 | 630.10 | 354.76 | -220.49 | 575.25 |
| 89 | 635.69 | 229.90 | -264.88 | 494.77 |
| 90 | 641.27 | 34.02 | -396.10 | 430.12 |
| 91 | 647.26 | 2.60 | -0.48 | 3.08 |

C214 (LC1) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 53.40 | 56.88 |
| 53 | 409.38 | 35.43 | 38.92 |
| 54 | 414.97 | 22.58 | 32.36 |
| 55 | 420.55 | 25.56 | 42.62 |
| 56 | 426.13 | -31.78 | 48.69 |
| 57 | 431.72 | -39.15 | 45.15 |
| 58 | 437.30 | -43.87 | 45.00 |
| 59 | 442.88 | -56.92 | 58.05 |
| 60 | 448.46L | -72.75 | 73.87 |
| 60 | 448.46R | 68.98 | 71.71 |
| 61 | 455.32 | 60.58 | 63.31 |
| 62 | 462.18 | 45.92 | 48.65 |
| 63 | 469.04 | 43.95 | 50.61 |
| 64 | 475.89 | 28.35 | 47.13 |
| 65 | 482.75 | 32.85 | 65.55 |
| 66 | 489.61 | -29.49 | 52.75 |
| 67 | 496.47 | -41.79 | 46.86 |
| 68 | 503.32 | -46.51 | 48.11 |
| 69 | 510.18 | -60.30 | 61.90 |
| 70 | 517.04L | -73.07 | 74.66 |
| 70 | 517.04R | 73.04 | 74.97 |
| 71 | 523.93 | 64.71 | 66.63 |
| 72 | 530.82 | 52.10 | 54.68 |
| 73 | 537.70 | 45.35 | 50.07 |
| 74 | 544.59 | 32.97 | 54.40 |
| 75 | 551.48 | -31.21 | 50.72 |
| 76 | 558.37 | -29.42 | 51.62 |
| 77 | 565.26 | -41.93 | 48.82 |
| 78 | 572.14 | -46.23 | 48.66 |
| 79 | 579.03 | -60.02 | 62.46 |
| 80 | 585.92L | -72.60 | 75.04 |
| 80 | 585.92R | 74.12 | 77.73 |
| 81 | 591.44 | 65.26 | 68.86 |
| 82 | 596.95 | 51.89 | 55.50 |
| 83 | 602.47 | 45.10 | 53.29 |
| 84 | 607.98 | 39.10 | 47.72 |
| 85 | 613.50 | 31.57 | 54.96 |
| 86 | 619.02 | -34.31 | 49.34 |
| 87 | 624.53 | -32.75 | 46.87 |
| 88 | 630.05 | -41.86 | 48.04 |
| 89 | 635.57 | -50.90 | 54.15 |
| 90 | 641.08L | -64.09 | 67.34 |
| 90 | 641.08R | 69.22 | 72.32 |
| 91 | 647.14 | 58.54 | 61.17 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 96.38 | -5.44 | 101.82 |
| 53 | 409.38 | 323.74 | -23.55 | 347.29 |
| 54 | 414.97 | 433.79 | -41.65 | 475.44 |
| 55 | 420.55 | 390.01 | -65.42 | 455.43 |
| 56 | 426.13 | 395.08 | -94.13 | 489.20 |
| 57 | 431.72 | 319.37 | -122.83 | 442.20 |
| 58 | 437.30 | 198.43 | -168.85 | 367.27 |

C214 (LC1) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 49.64 | -296.33 | 345.98 |
| 60 | 448.46 | 39.65 | -526.09 | 565.74 |
| 61 | 455.32 | 56.27 | -269.02 | 325.29 |
| 62 | 462.18 | 274.97 | -120.16 | 395.12 |
| 63 | 469.04 | 375.03 | -80.41 | 455.44 |
| 64 | 475.89 | 444.41 | -54.67 | 499.08 |
| 65 | 482.75 | 438.13 | -51.23 | 489.35 |
| 66 | 489.61 | 460.30 | -87.82 | 548.12 |
| 67 | 496.47 | 390.98 | -124.52 | 515.50 |
| 68 | 503.32 | 246.03 | -177.61 | 423.64 |
| 69 | 510.18 | 73.62 | -335.19 | 408.81 |
| 70 | 517.04 | 31.17 | -621.38 | 652.55 |
| 71 | 523.93 | 36.44 | -313.02 | 349.45 |
| 72 | 530.82 | 261.23 | -148.52 | 409.75 |
| 73 | 537.70 | 378.75 | -103.42 | 482.17 |
| 74 | 544.59 | 446.69 | -72.03 | 518.72 |
| 75 | 551.48 | 439.39 | -40.56 | 479.95 |
| 76 | 558.37 | 444.47 | -63.53 | 508.00 |
| 77 | 565.26 | 368.22 | -91.10 | 459.32 |
| 78 | 572.14 | 215.80 | -133.04 | 348.83 |
| 79 | 579.03 | 34.89 | -324.42 | 359.31 |
| 80 | 585.92 | 41.19 | -611.55 | 652.74 |
| 81 | 591.44 | 35.48 | -372.68 | 408.16 |
| 82 | 596.95 | 216.40 | -203.89 | 420.29 |
| 83 | 602.47 | 317.71 | -150.87 | 468.57 |
| 84 | 607.98 | 374.86 | -115.46 | 490.32 |
| 85 | 613.50 | 403.47 | -89.03 | 492.50 |
| 86 | 619.02 | 384.52 | -86.27 | 470.79 |
| 87 | 624.53 | 316.85 | -118.18 | 435.03 |
| 88 | 630.05 | 264.52 | -165.05 | 429.58 |
| 89 | 635.57 | 155.78 | -212.58 | 368.36 |
| 90 | 641.08 | 17.64 | -367.39 | 385.03 |
| 91 | 647.14 | 1.33 | -0.03 | 1.36 |

C214 (LC1) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 54.80 | 61.48 |
| 53 | 409.40 | 38.34 | 45.02 |
| 54 | 414.98 | 26.93 | 34.98 |
| 55 | 420.56 | 23.29 | 42.34 |
| 56 | 426.14 | -33.26 | 48.62 |
| 57 | 431.72 | -40.28 | 45.68 |
| 58 | 437.30 | -47.80 | 49.75 |
| 59 | 442.88 | -61.20 | 63.14 |
| 60 | 448.46L | -75.27 | 77.22 |
| 60 | 448.46R | 73.15 | 79.63 |
| 61 | 455.32 | 67.83 | 74.30 |
| 62 | 462.18 | 55.68 | 62.15 |
| 63 | 469.04 | 48.42 | 54.62 |
| 64 | 475.90 | 33.90 | 48.24 |
| 65 | 482.76 | 28.32 | 55.79 |
| 66 | 489.62 | -34.41 | 53.59 |
| 67 | 496.48 | -46.02 | 49.30 |
| 68 | 503.34 | -54.83 | 58.25 |
| 69 | 510.20 | -66.19 | 69.60 |
| 70 | 517.06L | -75.04 | 78.45 |
| 70 | 517.06R | 78.23 | 82.43 |
| 71 | 523.99 | 73.04 | 77.23 |
| 72 | 530.93 | 62.53 | 66.72 |
| 73 | 537.87 | 50.96 | 54.67 |
| 74 | 544.81 | 32.97 | 49.19 |
| 75 | 551.75 | 26.08 | 47.16 |
| 76 | 558.68 | -34.69 | 48.04 |
| 77 | 565.62 | -46.54 | 51.60 |
| 78 | 572.56 | -55.13 | 60.37 |
| 79 | 579.50 | -66.43 | 71.67 |
| 80 | 586.44L | -77.45 | 82.69 |
| 80 | 586.44R | 78.63 | 85.46 |
| 81 | 591.88 | 72.70 | 79.53 |
| 82 | 597.33 | 60.62 | 67.46 |
| 83 | 602.78 | 53.83 | 60.66 |
| 84 | 608.23 | 42.10 | 51.36 |
| 85 | 613.67 | 34.60 | 59.23 |
| 86 | 619.12 | -34.46 | 52.24 |
| 87 | 624.57 | -38.64 | 48.67 |
| 88 | 630.02 | -47.04 | 53.79 |
| 89 | 635.46 | -55.71 | 62.46 |
| 90 | 640.91L | -68.66 | 75.41 |
| 90 | 640.91R | 74.91 | 81.51 |
| 91 | 647.03 | 67.12 | 72.87 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 100.79 | -10.40 | 111.19 |
| 53 | 409.40 | 348.15 | -44.73 | 392.88 |
| 54 | 414.98 | 485.65 | -79.06 | 564.71 |
| 55 | 420.56 | 455.91 | -115.39 | 571.29 |
| 56 | 426.14 | 457.57 | -153.39 | 610.96 |
| 57 | 431.72 | 379.36 | -191.38 | 570.74 |
| 58 | 437.30 | 245.15 | -234.71 | 479.86 |

C214 (LC1) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 70.43 | -371.49 | 441.92 |
| 60 | 448.46 | 77.59 | -631.90 | 709.50 |
| 61 | 455.32 | 57.90 | -304.60 | 362.50 |
| 62 | 462.18 | 336.49 | -153.30 | 489.79 |
| 63 | 469.04 | 480.18 | -121.92 | 602.10 |
| 64 | 475.90 | 563.68 | -95.06 | 658.73 |
| 65 | 482.76 | 609.56 | -123.73 | 733.28 |
| 66 | 489.62 | 593.98 | -172.15 | 766.14 |
| 67 | 496.48 | 520.73 | -220.59 | 741.32 |
| 68 | 503.34 | 333.67 | -275.07 | 608.74 |
| 69 | 510.20 | 104.02 | -415.26 | 519.29 |
| 70 | 517.06 | 56.63 | -769.73 | 826.35 |
| 71 | 523.99 | 33.91 | -377.64 | 411.55 |
| 72 | 530.93 | 325.00 | -206.59 | 531.59 |
| 73 | 537.87 | 486.29 | -166.09 | 652.38 |
| 74 | 544.81 | 577.02 | -128.57 | 705.59 |
| 75 | 551.75 | 610.79 | -91.05 | 701.84 |
| 76 | 558.68 | 579.84 | -113.88 | 693.72 |
| 77 | 565.62 | 488.96 | -145.57 | 634.53 |
| 78 | 572.56 | 283.82 | -181.52 | 465.34 |
| 79 | 579.50 | 53.20 | -395.00 | 448.20 |
| 80 | 586.44 | 75.81 | -760.72 | 836.53 |
| 81 | 591.88 | 67.45 | -468.75 | 536.20 |
| 82 | 597.33 | 253.83 | -296.24 | 550.08 |
| 83 | 602.78 | 393.87 | -249.23 | 643.11 |
| 84 | 608.23 | 460.47 | -208.26 | 668.73 |
| 85 | 613.67 | 485.18 | -171.28 | 656.47 |
| 86 | 619.12 | 466.03 | -151.24 | 617.27 |
| 87 | 624.57 | 406.30 | -189.15 | 595.45 |
| 88 | 630.02 | 327.58 | -232.41 | 559.99 |
| 89 | 635.46 | 207.23 | -275.67 | 482.90 |
| 90 | 640.91 | 38.13 | -412.84 | 450.97 |
| 91 | 647.03 | 5.68 | -0.49 | 6.17 |

C214 (LC2) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 62.03 | 68.52 |
| 53 | 409.37 | 48.25 | 54.73 |
| 54 | 414.96 | 33.70 | 43.02 |
| 55 | 420.54 | 26.46 | 46.25 |
| 56 | 426.13 | -33.65 | 50.05 |
| 57 | 431.71 | -40.40 | 47.74 |
| 58 | 437.30 | -47.99 | 49.70 |
| 59 | 442.88 | -61.64 | 63.34 |
| 60 | 448.46L | -73.18 | 74.88 |
| 60 | 448.46R | 73.13 | 78.82 |
| 61 | 455.32 | 68.42 | 74.11 |
| 62 | 462.18 | 56.79 | 62.48 |
| 63 | 469.04 | 49.58 | 55.03 |
| 64 | 475.89 | 35.67 | 51.07 |
| 65 | 482.75 | 29.96 | 52.96 |
| 66 | 489.61 | -34.84 | 50.70 |
| 67 | 496.47 | -45.67 | 50.24 |
| 68 | 503.32 | -54.09 | 57.56 |
| 69 | 510.18 | -65.13 | 68.60 |
| 70 | 517.04L | -74.61 | 78.08 |
| 70 | 517.04R | 75.34 | 79.52 |
| 71 | 523.88 | 69.70 | 73.88 |
| 72 | 530.72 | 56.72 | 60.90 |
| 73 | 537.56 | 46.60 | 50.40 |
| 74 | 544.40 | 34.48 | 52.31 |
| 75 | 551.24 | -34.27 | 62.65 |
| 76 | 558.08 | -34.27 | 48.93 |
| 77 | 564.92 | -45.42 | 49.89 |
| 78 | 571.76 | -52.85 | 57.58 |
| 79 | 578.60 | -64.18 | 68.91 |
| 80 | 585.43L | -73.97 | 78.71 |
| 80 | 585.43R | 75.08 | 81.19 |
| 81 | 591.02 | 71.18 | 77.29 |
| 82 | 596.60 | 59.98 | 66.10 |
| 83 | 602.19 | 47.48 | 53.59 |
| 84 | 607.77 | 43.45 | 52.74 |
| 85 | 613.35 | 29.10 | 52.68 |
| 86 | 618.94 | -32.75 | 50.20 |
| 87 | 624.52 | -35.47 | 47.00 |
| 88 | 630.10 | -44.50 | 49.23 |
| 89 | 635.69 | -52.70 | 57.43 |
| 90 | 641.27L | -65.88 | 70.62 |
| 90 | 641.27R | 71.79 | 77.74 |
| 91 | 647.26 | 65.56 | 71.52 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 100.23 | -10.20 | 110.43 |
| 53 | 409.37 | 347.47 | -44.40 | 391.87 |
| 54 | 414.96 | 487.91 | -78.60 | 566.51 |
| 55 | 420.54 | 465.73 | -114.71 | 580.44 |
| 56 | 426.13 | 459.69 | -152.52 | 612.21 |
| 57 | 431.71 | 379.52 | -190.33 | 569.85 |
| 58 | 437.30 | 256.24 | -233.72 | 489.96 |

C214 (LC2) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 74.96 | -373.47 | 448.43 |
| 60 | 448.46 | 68.87 | -622.78 | 691.65 |
| 61 | 455.32 | 66.47 | -309.43 | 375.90 |
| 62 | 462.18 | 335.95 | -153.96 | 489.91 |
| 63 | 469.04 | 479.17 | -122.32 | 601.49 |
| 64 | 475.89 | 564.75 | -95.21 | 659.96 |
| 65 | 482.75 | 602.76 | -110.30 | 713.06 |
| 66 | 489.61 | 589.39 | -152.81 | 742.21 |
| 67 | 496.47 | 514.24 | -195.33 | 709.57 |
| 68 | 503.32 | 325.74 | -242.86 | 568.60 |
| 69 | 510.18 | 99.86 | -403.39 | 503.25 |
| 70 | 517.04 | 54.59 | -736.56 | 791.15 |
| 71 | 523.88 | 37.51 | -371.30 | 408.81 |
| 72 | 530.72 | 313.41 | -205.96 | 519.37 |
| 73 | 537.56 | 460.85 | -164.11 | 624.95 |
| 74 | 544.40 | 539.88 | -127.31 | 667.19 |
| 75 | 551.24 | 574.55 | -90.53 | 665.07 |
| 76 | 558.08 | 552.81 | -118.14 | 670.95 |
| 77 | 564.92 | 479.14 | -151.62 | 630.76 |
| 78 | 571.76 | 298.68 | -191.03 | 489.70 |
| 79 | 578.60 | 71.07 | -365.28 | 436.36 |
| 80 | 585.43 | 63.60 | -686.97 | 750.58 |
| 81 | 591.02 | 55.93 | -411.96 | 467.89 |
| 82 | 596.60 | 246.34 | -231.84 | 478.18 |
| 83 | 602.19 | 382.38 | -190.83 | 573.21 |
| 84 | 607.77 | 454.48 | -158.58 | 613.06 |
| 85 | 613.35 | 492.54 | -129.48 | 622.02 |
| 86 | 618.94 | 469.98 | -135.82 | 605.80 |
| 87 | 624.52 | 414.45 | -174.24 | 588.69 |
| 88 | 630.10 | 357.66 | -218.19 | 575.84 |
| 89 | 635.69 | 215.17 | -262.13 | 477.31 |
| 90 | 641.27 | 33.52 | -394.67 | 428.19 |
| 91 | 647.26 | 2.59 | -0.47 | 3.06 |

C214 (LC2) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 59.99 | 63.38 |
| 53 | 409.38 | 44.56 | 47.95 |
| 54 | 414.97 | 28.95 | 39.50 |
| 55 | 420.55 | 28.64 | 46.37 |
| 56 | 426.13 | -32.09 | 49.78 |
| 57 | 431.72 | -39.18 | 47.27 |
| 58 | 437.30 | -43.60 | 45.95 |
| 59 | 442.88 | -56.70 | 57.79 |
| 60 | 448.46L | -70.17 | 71.26 |
| 60 | 448.46R | 68.14 | 70.76 |
| 61 | 455.32 | 61.30 | 63.93 |
| 62 | 462.18 | 47.18 | 49.80 |
| 63 | 469.04 | 45.38 | 49.50 |
| 64 | 475.89 | 30.23 | 49.69 |
| 65 | 482.75 | 34.06 | 68.09 |
| 66 | 489.61 | -30.08 | 49.57 |
| 67 | 496.47 | -41.81 | 49.66 |
| 68 | 503.32 | -46.27 | 47.88 |
| 69 | 510.18 | -59.83 | 61.44 |
| 70 | 517.04L | -70.30 | 71.91 |
| 70 | 517.04R | 71.17 | 73.13 |
| 71 | 523.93 | 63.73 | 65.68 |
| 72 | 530.82 | 48.10 | 50.26 |
| 73 | 537.70 | 42.15 | 46.56 |
| 74 | 544.59 | 29.46 | 51.50 |
| 75 | 551.48 | -31.72 | 48.82 |
| 76 | 558.37 | -29.86 | 48.39 |
| 77 | 565.26 | -41.92 | 47.23 |
| 78 | 572.14 | -45.91 | 48.26 |
| 79 | 579.03 | -59.56 | 61.91 |
| 80 | 585.92L | -69.98 | 72.33 |
| 80 | 585.92R | 72.07 | 75.52 |
| 81 | 591.44 | 66.92 | 70.36 |
| 82 | 596.95 | 54.64 | 58.08 |
| 83 | 602.47 | 41.54 | 50.76 |
| 84 | 607.98 | 42.18 | 52.25 |
| 85 | 613.50 | 27.16 | 51.21 |
| 86 | 619.02 | -34.16 | 50.14 |
| 87 | 624.53 | -32.03 | 46.82 |
| 88 | 630.05 | -41.19 | 48.24 |
| 89 | 635.57 | -50.34 | 53.52 |
| 90 | 641.08L | -60.72 | 63.90 |
| 90 | 641.08R | 65.89 | 68.95 |
| 91 | 647.14 | 58.45 | 61.01 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 97.68 | -5.36 | 103.04 |
| 53 | 409.38 | 323.72 | -23.21 | 346.93 |
| 54 | 414.97 | 436.21 | -41.06 | 477.27 |
| 55 | 420.55 | 395.82 | -64.56 | 460.38 |
| 56 | 426.13 | 401.53 | -92.97 | 494.50 |
| 57 | 431.72 | 319.55 | -121.39 | 440.94 |
| 58 | 437.30 | 208.80 | -166.66 | 375.47 |

C214 (LC2) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 54.95 | -296.77 | 351.72 |
| 60 | 448.46 | 38.61 | -516.61 | 555.22 |
| 61 | 455.32 | 64.75 | -273.98 | 338.73 |
| 62 | 462.18 | 275.53 | -121.39 | 396.93 |
| 63 | 469.04 | 375.35 | -81.11 | 456.45 |
| 64 | 475.89 | 442.67 | -55.06 | 497.73 |
| 65 | 482.75 | 436.40 | -50.53 | 486.93 |
| 66 | 489.61 | 456.86 | -85.55 | 542.42 |
| 67 | 496.47 | 388.84 | -120.59 | 509.43 |
| 68 | 503.32 | 243.06 | -170.95 | 414.01 |
| 69 | 510.18 | 75.59 | -341.89 | 417.48 |
| 70 | 517.04 | 31.64 | -615.32 | 646.96 |
| 71 | 523.93 | 35.81 | -316.10 | 351.91 |
| 72 | 530.82 | 262.04 | -147.59 | 409.64 |
| 73 | 537.70 | 370.99 | -102.70 | 473.69 |
| 74 | 544.59 | 443.09 | -71.48 | 514.57 |
| 75 | 551.48 | 436.58 | -40.27 | 476.85 |
| 76 | 558.37 | 443.68 | -64.52 | 508.19 |
| 77 | 565.26 | 370.12 | -92.42 | 462.54 |
| 78 | 572.14 | 221.41 | -134.82 | 356.23 |
| 79 | 579.03 | 43.82 | -328.38 | 372.20 |
| 80 | 585.92 | 40.40 | -603.66 | 644.05 |
| 81 | 591.44 | 35.22 | -377.30 | 412.52 |
| 82 | 596.95 | 215.98 | -200.67 | 416.65 |
| 83 | 602.47 | 318.67 | -148.88 | 467.55 |
| 84 | 607.98 | 375.69 | -114.12 | 489.80 |
| 85 | 613.50 | 404.46 | -87.94 | 492.40 |
| 86 | 619.02 | 379.67 | -82.27 | 461.95 |
| 87 | 624.53 | 316.93 | -112.76 | 429.69 |
| 88 | 630.05 | 271.39 | -157.61 | 428.99 |
| 89 | 635.57 | 147.61 | -219.00 | 366.60 |
| 90 | 641.08 | 17.34 | -361.86 | 379.20 |
| 91 | 647.14 | 1.33 | -0.03 | 1.36 |

C214 (LC2) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 61.98 | 68.44 |
| 53 | 409.40 | 48.16 | 54.62 |
| 54 | 414.98 | 33.61 | 42.99 |
| 55 | 420.56 | 26.45 | 46.33 |
| 56 | 426.14 | -33.72 | 50.10 |
| 57 | 431.72 | -40.43 | 47.75 |
| 58 | 437.30 | -48.03 | 49.90 |
| 59 | 442.88 | -61.69 | 63.55 |
| 60 | 448.46L | -73.23 | 75.09 |
| 60 | 448.46R | 73.15 | 79.35 |
| 61 | 455.32 | 68.44 | 74.64 |
| 62 | 462.18 | 56.85 | 63.05 |
| 63 | 469.04 | 49.67 | 55.61 |
| 64 | 475.90 | 35.78 | 51.20 |
| 65 | 482.76 | 30.41 | 59.36 |
| 66 | 489.62 | -35.18 | 51.17 |
| 67 | 496.48 | -46.12 | 50.77 |
| 68 | 503.34 | -54.77 | 58.22 |
| 69 | 510.20 | -65.85 | 69.30 |
| 70 | 517.06L | -75.76 | 79.20 |
| 70 | 517.06R | 77.09 | 81.36 |
| 71 | 523.99 | 71.57 | 75.83 |
| 72 | 530.93 | 59.07 | 63.33 |
| 73 | 537.87 | 48.10 | 51.88 |
| 74 | 544.81 | 35.98 | 53.26 |
| 75 | 551.75 | 28.82 | 51.12 |
| 76 | 558.68 | -35.27 | 50.43 |
| 77 | 565.62 | -46.59 | 51.27 |
| 78 | 572.56 | -54.97 | 60.01 |
| 79 | 579.50 | -66.13 | 71.18 |
| 80 | 586.44L | -75.79 | 80.84 |
| 80 | 586.44R | 77.44 | 84.25 |
| 81 | 591.88 | 73.11 | 79.93 |
| 82 | 597.33 | 63.45 | 70.27 |
| 83 | 602.78 | 50.15 | 56.96 |
| 84 | 608.23 | 45.35 | 56.63 |
| 85 | 613.67 | 30.49 | 55.89 |
| 86 | 619.12 | -34.07 | 55.55 |
| 87 | 624.57 | -38.06 | 49.29 |
| 88 | 630.02 | -46.47 | 53.03 |
| 89 | 635.46 | -55.19 | 61.75 |
| 90 | 640.91L | -65.85 | 72.41 |
| 90 | 640.91R | 73.44 | 79.85 |
| 91 | 647.03 | 66.00 | 71.59 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 101.64 | -10.23 | 111.87 |
| 53 | 409.40 | 348.27 | -44.02 | 392.29 |
| 54 | 414.98 | 487.92 | -77.81 | 565.72 |
| 55 | 420.56 | 465.87 | -113.57 | 579.44 |
| 56 | 426.14 | 459.77 | -150.99 | 610.76 |
| 57 | 431.72 | 379.86 | -188.42 | 568.28 |
| 58 | 437.30 | 256.57 | -231.13 | 487.71 |

C214 (LC2) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 75.07 | -374.44 | 449.51 |
| 60 | 448.46 | 75.76 | -624.35 | 700.10 |
| 61 | 455.32 | 69.17 | -310.25 | 379.42 |
| 62 | 462.18 | 336.02 | -154.13 | 490.16 |
| 63 | 469.04 | 477.35 | -122.53 | 599.88 |
| 64 | 475.90 | 566.67 | -95.51 | 662.17 |
| 65 | 482.76 | 605.50 | -121.00 | 726.50 |
| 66 | 489.62 | 592.98 | -168.07 | 761.06 |
| 67 | 496.48 | 519.17 | -215.15 | 734.32 |
| 68 | 503.34 | 331.59 | -267.92 | 599.52 |
| 69 | 510.20 | 106.70 | -424.93 | 531.63 |
| 70 | 517.06 | 57.58 | -767.24 | 824.81 |
| 71 | 523.99 | 34.07 | -381.56 | 415.63 |
| 72 | 530.93 | 324.73 | -204.90 | 529.63 |
| 73 | 537.87 | 483.85 | -164.70 | 648.55 |
| 74 | 544.81 | 567.27 | -127.48 | 694.75 |
| 75 | 551.75 | 604.38 | -90.27 | 694.65 |
| 76 | 558.68 | 572.00 | -115.80 | 687.81 |
| 77 | 565.62 | 487.20 | -148.01 | 635.20 |
| 78 | 572.56 | 284.90 | -184.51 | 469.41 |
| 79 | 579.50 | 53.11 | -399.98 | 453.09 |
| 80 | 586.44 | 75.17 | -754.58 | 829.75 |
| 81 | 591.88 | 66.89 | -474.26 | 541.15 |
| 82 | 597.33 | 254.28 | -292.43 | 546.72 |
| 83 | 602.78 | 396.77 | -245.96 | 642.73 |
| 84 | 608.23 | 465.56 | -205.48 | 671.04 |
| 85 | 613.67 | 491.89 | -168.98 | 660.87 |
| 86 | 619.12 | 476.22 | -150.97 | 627.19 |
| 87 | 624.57 | 412.46 | -188.84 | 601.30 |
| 88 | 630.02 | 333.63 | -232.11 | 565.74 |
| 89 | 635.46 | 199.96 | -275.38 | 475.34 |
| 90 | 640.91 | 37.27 | -411.26 | 448.52 |
| 91 | 647.03 | 5.68 | -0.48 | 6.15 |

C214 (LC3) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 57.83 | 64.08 |
| 53 | 409.37 | 42.45 | 48.69 |
| 54 | 414.96 | 29.90 | 40.40 |
| 55 | 420.54 | 23.30 | 43.68 |
| 56 | 426.13 | -33.84 | 49.27 |
| 57 | 431.71 | -40.46 | 46.17 |
| 58 | 437.30 | -47.51 | 49.16 |
| 59 | 442.88 | -59.68 | 61.33 |
| 60 | 448.46L | -74.08 | 75.73 |
| 60 | 448.46R | 71.27 | 76.78 |
| 61 | 455.32 | 67.02 | 72.54 |
| 62 | 462.18 | 57.87 | 63.38 |
| 63 | 469.04 | 46.37 | 51.65 |
| 64 | 475.89 | 37.20 | 53.76 |
| 65 | 482.75 | 29.39 | 53.64 |
| 66 | 489.61 | -35.26 | 53.66 |
| 67 | 496.47 | -45.74 | 50.18 |
| 68 | 503.32 | -53.94 | 57.42 |
| 69 | 510.18 | -64.73 | 68.22 |
| 70 | 517.04L | -75.27 | 78.75 |
| 70 | 517.04R | 75.88 | 80.10 |
| 71 | 523.88 | 69.49 | 73.72 |
| 72 | 530.72 | 59.11 | 63.34 |
| 73 | 537.56 | 48.89 | 52.74 |
| 74 | 544.40 | 37.38 | 56.26 |
| 75 | 551.24 | -34.64 | 63.82 |
| 76 | 558.08 | -34.64 | 53.12 |
| 77 | 564.92 | -45.43 | 51.09 |
| 78 | 571.76 | -52.63 | 57.24 |
| 79 | 578.60 | -63.74 | 68.35 |
| 80 | 585.43L | -74.11 | 78.72 |
| 80 | 585.43R | 75.47 | 81.43 |
| 81 | 591.02 | 68.88 | 74.84 |
| 82 | 596.60 | 62.70 | 68.66 |
| 83 | 602.19 | 49.78 | 55.76 |
| 84 | 607.77 | 39.99 | 51.33 |
| 85 | 613.35 | 32.88 | 56.90 |
| 86 | 618.94 | -32.35 | 50.58 |
| 87 | 624.52 | -34.82 | 47.27 |
| 88 | 630.10 | -43.91 | 48.51 |
| 89 | 635.69 | -51.69 | 56.29 |
| 90 | 641.27L | -62.99 | 67.59 |
| 90 | 641.27R | 72.35 | 78.19 |
| 91 | 647.26 | 66.41 | 72.25 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 99.47 | -10.10 | 109.58 |
| 53 | 409.37 | 347.57 | -43.98 | 391.56 |
| 54 | 414.96 | 486.01 | -77.86 | 563.87 |
| 55 | 420.54 | 463.78 | -113.65 | 577.43 |
| 56 | 426.13 | 459.75 | -151.13 | 610.88 |
| 57 | 431.71 | 386.71 | -188.60 | 575.31 |
| 58 | 437.30 | 250.82 | -231.65 | 482.47 |

C214 (LC3) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 71.00 | -375.77 | 446.78 |
| 60 | 448.46 | 68.63 | -613.21 | 681.84 |
| 61 | 455.32 | 74.29 | -308.68 | 382.97 |
| 62 | 462.18 | 335.65 | -154.77 | 490.42 |
| 63 | 469.04 | 477.47 | -122.92 | 600.39 |
| 64 | 475.89 | 568.66 | -95.66 | 664.32 |
| 65 | 482.75 | 603.08 | -109.90 | 712.98 |
| 66 | 489.61 | 591.29 | -152.28 | 743.57 |
| 67 | 496.47 | 514.33 | -194.67 | 709.00 |
| 68 | 503.32 | 325.48 | -242.07 | 567.54 |
| 69 | 510.18 | 106.57 | -410.13 | 516.70 |
| 70 | 517.04 | 55.46 | -729.87 | 785.33 |
| 71 | 523.88 | 41.29 | -376.72 | 418.01 |
| 72 | 530.72 | 313.11 | -206.12 | 519.23 |
| 73 | 537.56 | 460.17 | -164.23 | 624.40 |
| 74 | 544.40 | 539.28 | -127.43 | 666.71 |
| 75 | 551.24 | 572.80 | -90.73 | 663.53 |
| 76 | 558.08 | 551.98 | -120.02 | 671.99 |
| 77 | 564.92 | 477.64 | -154.00 | 631.65 |
| 78 | 571.76 | 295.20 | -193.98 | 489.18 |
| 79 | 578.60 | 79.50 | -370.06 | 449.57 |
| 80 | 585.43 | 63.66 | -680.98 | 744.64 |
| 81 | 591.02 | 55.98 | -415.81 | 471.79 |
| 82 | 596.60 | 246.60 | -229.54 | 476.14 |
| 83 | 602.19 | 385.01 | -188.89 | 573.89 |
| 84 | 607.77 | 458.99 | -156.94 | 615.93 |
| 85 | 613.35 | 498.16 | -128.13 | 626.28 |
| 86 | 618.94 | 479.58 | -132.36 | 611.95 |
| 87 | 624.52 | 423.53 | -169.85 | 593.38 |
| 88 | 630.10 | 343.14 | -212.74 | 555.88 |
| 89 | 635.69 | 224.08 | -255.64 | 479.72 |
| 90 | 641.27 | 33.31 | -392.99 | 426.30 |
| 91 | 647.26 | 2.58 | -0.47 | 3.05 |

C214 (LC3) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 55.12 | 58.40 |
| 53 | 409.38 | 38.25 | 41.53 |
| 54 | 414.97 | 25.03 | 36.24 |
| 55 | 420.55 | 25.55 | 43.71 |
| 56 | 426.13 | -32.16 | 49.04 |
| 57 | 431.72 | -39.15 | 45.32 |
| 58 | 437.30 | -43.29 | 44.93 |
| 59 | 442.88 | -55.91 | 56.97 |
| 60 | 448.46L | -71.32 | 72.38 |
| 60 | 448.46R | 65.33 | 67.88 |
| 61 | 455.32 | 59.99 | 62.54 |
| 62 | 462.18 | 48.34 | 52.61 |
| 63 | 469.04 | 41.69 | 47.40 |
| 64 | 475.89 | 31.80 | 51.94 |
| 65 | 482.75 | -35.14 | 70.08 |
| 66 | 489.61 | -30.42 | 52.17 |
| 67 | 496.47 | -41.81 | 52.11 |
| 68 | 503.32 | -45.96 | 47.70 |
| 69 | 510.18 | -59.27 | 60.89 |
| 70 | 517.04L | -71.42 | 73.04 |
| 70 | 517.04R | 71.68 | 73.66 |
| 71 | 523.93 | 62.93 | 64.91 |
| 72 | 530.82 | 50.67 | 52.65 |
| 73 | 537.70 | 44.54 | 50.17 |
| 74 | 544.59 | 32.47 | 55.10 |
| 75 | 551.48 | -32.14 | 52.65 |
| 76 | 558.37 | -30.15 | 52.36 |
| 77 | 565.26 | -41.90 | 50.06 |
| 78 | 572.14 | -45.57 | 47.86 |
| 79 | 579.03 | -58.96 | 61.24 |
| 80 | 585.92L | -70.38 | 72.67 |
| 80 | 585.92R | 72.51 | 76.02 |
| 81 | 591.44 | 63.72 | 67.23 |
| 82 | 596.95 | 50.88 | 54.39 |
| 83 | 602.47 | 43.77 | 53.96 |
| 84 | 607.98 | 38.33 | 49.89 |
| 85 | 613.50 | 30.94 | 55.24 |
| 86 | 619.02 | -33.84 | 50.47 |
| 87 | 624.53 | -31.26 | 46.73 |
| 88 | 630.05 | -40.53 | 48.48 |
| 89 | 635.57 | -49.86 | 52.94 |
| 90 | 641.08L | -61.96 | 65.04 |
| 90 | 641.08R | 66.45 | 69.43 |
| 91 | 647.14 | 58.33 | 60.83 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 96.35 | -5.31 | 101.66 |
| 53 | 409.38 | 323.67 | -22.98 | 346.65 |
| 54 | 414.97 | 433.73 | -40.65 | 474.38 |
| 55 | 420.55 | 395.01 | -63.97 | 458.98 |
| 56 | 426.13 | 393.64 | -92.20 | 485.84 |
| 57 | 431.72 | 333.51 | -120.42 | 453.93 |
| 58 | 437.30 | 202.54 | -165.49 | 368.03 |

C214 (LC3) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 47.61 | -297.42 | 345.03 |
| 60 | 448.46 | 38.48 | -505.86 | 544.34 |
| 61 | 455.32 | 68.30 | -272.21 | 340.51 |
| 62 | 462.18 | 275.78 | -122.39 | 398.17 |
| 63 | 469.04 | 373.91 | -81.68 | 455.59 |
| 64 | 475.89 | 440.52 | -55.39 | 495.91 |
| 65 | 482.75 | 436.46 | -50.30 | 486.76 |
| 66 | 489.61 | 451.60 | -85.25 | 536.85 |
| 67 | 496.47 | 388.74 | -120.22 | 508.95 |
| 68 | 503.32 | 246.08 | -170.41 | 416.49 |
| 69 | 510.18 | 83.04 | -346.76 | 429.80 |
| 70 | 517.04 | 32.12 | -607.01 | 639.13 |
| 71 | 523.93 | 41.25 | -318.00 | 359.25 |
| 72 | 530.82 | 262.80 | -147.73 | 410.52 |
| 73 | 537.70 | 373.14 | -102.78 | 475.92 |
| 74 | 544.59 | 439.53 | -71.54 | 511.07 |
| 75 | 551.48 | 435.59 | -40.45 | 476.04 |
| 76 | 558.37 | 437.51 | -65.50 | 503.01 |
| 77 | 565.26 | 367.58 | -93.75 | 461.33 |
| 78 | 572.14 | 217.23 | -136.59 | 353.82 |
| 79 | 579.03 | 46.85 | -330.63 | 377.49 |
| 80 | 585.92 | 40.43 | -594.94 | 635.37 |
| 81 | 591.44 | 35.24 | -375.51 | 410.75 |
| 82 | 596.95 | 215.53 | -199.13 | 414.66 |
| 83 | 602.47 | 322.87 | -147.58 | 470.45 |
| 84 | 607.98 | 373.06 | -113.03 | 486.10 |
| 85 | 613.50 | 411.08 | -87.05 | 498.13 |
| 86 | 619.02 | 385.72 | -84.13 | 469.85 |
| 87 | 624.53 | 321.39 | -115.39 | 436.77 |
| 88 | 630.05 | 261.84 | -161.41 | 423.25 |
| 89 | 635.57 | 152.76 | -224.76 | 377.52 |
| 90 | 641.08 | 17.12 | -355.28 | 372.40 |
| 91 | 647.14 | 1.33 | -0.03 | 1.36 |

C214 (LC3) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 57.76 | 63.94 |
| 53 | 409.40 | 42.36 | 48.55 |
| 54 | 414.98 | 29.82 | 40.39 |
| 55 | 420.56 | 23.34 | 43.81 |
| 56 | 426.14 | -33.91 | 49.33 |
| 57 | 431.72 | -40.49 | 46.22 |
| 58 | 437.30 | -47.57 | 49.38 |
| 59 | 442.88 | -59.74 | 61.54 |
| 60 | 448.46L | -74.13 | 75.94 |
| 60 | 448.46R | 71.29 | 77.30 |
| 61 | 455.32 | 67.12 | 73.13 |
| 62 | 462.18 | 57.92 | 63.94 |
| 63 | 469.04 | 46.46 | 52.22 |
| 64 | 475.90 | 37.30 | 53.91 |
| 65 | 482.76 | -30.25 | 60.32 |
| 66 | 489.62 | -35.64 | 54.19 |
| 67 | 496.48 | -46.21 | 49.53 |
| 68 | 503.34 | -54.63 | 58.08 |
| 69 | 510.20 | -65.45 | 68.90 |
| 70 | 517.06L | -76.41 | 79.86 |
| 70 | 517.06R | 77.44 | 81.75 |
| 71 | 523.99 | 71.79 | 76.11 |
| 72 | 530.93 | 61.47 | 65.79 |
| 73 | 537.87 | 50.37 | 54.21 |
| 74 | 544.81 | 39.01 | 57.32 |
| 75 | 551.75 | 32.28 | 55.66 |
| 76 | 558.68 | -35.63 | 54.76 |
| 77 | 565.62 | -46.64 | 52.10 |
| 78 | 572.56 | -54.78 | 59.69 |
| 79 | 579.50 | -65.69 | 70.60 |
| 80 | 586.44L | -75.96 | 80.87 |
| 80 | 586.44R | 78.13 | 84.96 |
| 81 | 591.88 | 71.27 | 78.10 |
| 82 | 597.33 | 59.52 | 66.35 |
| 83 | 602.78 | 52.77 | 60.40 |
| 84 | 608.23 | 41.62 | 54.72 |
| 85 | 613.67 | 34.19 | 60.00 |
| 86 | 619.12 | -33.64 | 53.22 |
| 87 | 624.57 | -37.44 | 49.96 |
| 88 | 630.02 | -45.90 | 52.19 |
| 89 | 635.46 | -54.71 | 61.01 |
| 90 | 640.91L | -66.80 | 73.09 |
| 90 | 640.91R | 73.96 | 80.21 |
| 91 | 647.03 | 65.26 | 70.71 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 100.84 | -10.12 | 110.95 |
| 53 | 409.40 | 348.37 | -43.52 | 391.89 |
| 54 | 414.98 | 486.08 | -76.93 | 563.01 |
| 55 | 420.56 | 463.76 | -112.30 | 576.06 |
| 56 | 426.14 | 459.79 | -149.33 | 609.12 |
| 57 | 431.72 | 386.83 | -186.36 | 573.19 |
| 58 | 437.30 | 250.85 | -228.66 | 479.51 |
| 59 | 442.88 | 71.12 | -376.76 | 447.87 |

C214 (LC3) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 75.39 | -614.76 | 690.14 |
| 61 | 455.32 | 73.19 | -309.34 | 382.53 |
| 62 | 462.18 | 335.70 | -154.80 | 490.50 |
| 63 | 469.04 | 475.35 | -123.02 | 598.37 |
| 64 | 475.90 | 570.59 | -95.87 | 666.46 |
| 65 | 482.76 | 605.80 | -120.40 | 726.20 |
| 66 | 489.62 | 594.90 | -167.26 | 762.16 |
| 67 | 496.48 | 519.26 | -214.13 | 733.39 |
| 68 | 503.34 | 331.29 | -266.68 | 597.96 |
| 69 | 510.20 | 113.01 | -432.43 | 545.44 |
| 70 | 517.06 | 58.53 | -761.89 | 820.42 |
| 71 | 523.99 | 34.20 | -386.59 | 420.79 |
| 72 | 530.93 | 324.54 | -205.05 | 529.59 |
| 73 | 537.87 | 482.90 | -164.82 | 647.71 |
| 74 | 544.81 | 563.49 | -127.64 | 691.13 |
| 75 | 551.75 | 601.81 | -90.51 | 692.32 |
| 76 | 558.68 | 571.14 | -117.73 | 688.86 |
| 77 | 565.62 | 485.57 | -150.44 | 636.00 |
| 78 | 572.56 | 284.65 | -187.49 | 472.14 |
| 79 | 579.50 | 53.18 | -403.20 | 456.38 |
| 80 | 586.44 | 75.23 | -748.61 | 823.84 |
| 81 | 591.88 | 66.93 | -479.93 | 546.86 |
| 82 | 597.33 | 254.76 | -288.94 | 543.70 |
| 83 | 602.78 | 399.52 | -242.96 | 642.48 |
| 84 | 608.23 | 470.53 | -202.93 | 673.46 |
| 85 | 613.67 | 498.29 | -166.87 | 665.16 |
| 86 | 619.12 | 486.40 | -151.16 | 637.57 |
| 87 | 624.57 | 424.53 | -189.10 | 613.63 |
| 88 | 630.02 | 328.77 | -232.46 | 561.24 |
| 89 | 635.46 | 202.39 | -275.83 | 478.22 |
| 90 | 640.91 | 36.70 | -409.20 | 445.90 |
| 91 | 647.03 | 5.67 | -0.47 | 6.14 |

C214 (LC4) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.79 | 54.88 | 60.90 |
| 53 | 409.37 | 38.47 | 44.49 |
| 54 | 414.96 | 27.07 | 38.55 |
| 55 | 420.54 | 23.33 | 44.18 |
| 56 | 426.13 | -34.03 | 49.49 |
| 57 | 431.71 | -40.49 | 46.31 |
| 58 | 437.30 | -47.24 | 48.86 |
| 59 | 442.88 | -60.93 | 62.55 |
| 60 | 448.46L | -71.50 | 73.12 |
| 60 | 448.46R | 72.26 | 77.67 |
| 61 | 455.32 | 66.18 | 71.58 |
| 62 | 462.18 | 54.58 | 59.98 |
| 63 | 469.04 | 47.59 | 53.84 |
| 64 | 475.89 | 38.63 | 56.26 |
| 65 | 482.75 | 29.95 | 55.19 |
| 66 | 489.61 | -35.66 | 56.41 |
| 67 | 496.47 | -45.74 | 50.54 |
| 68 | 503.32 | -53.73 | 57.07 |
| 69 | 510.18 | -64.31 | 67.66 |
| 70 | 517.04L | -73.34 | 76.69 |
| 70 | 517.04R | 74.94 | 79.25 |
| 71 | 523.88 | 69.73 | 74.04 |
| 72 | 530.72 | 55.84 | 60.15 |
| 73 | 537.56 | 45.89 | 50.04 |
| 74 | 544.40 | 34.22 | 54.06 |
| 75 | 551.24 | -34.91 | 64.75 |
| 76 | 558.08 | -34.91 | 51.47 |
| 77 | 564.92 | -45.38 | 50.54 |
| 78 | 571.76 | -52.34 | 56.92 |
| 79 | 578.60 | -63.18 | 67.75 |
| 80 | 585.43L | -72.31 | 76.88 |
| 80 | 585.43R | 75.26 | 81.37 |
| 81 | 591.02 | 69.70 | 75.81 |
| 82 | 596.60 | 58.62 | 64.73 |
| 83 | 602.19 | 46.52 | 54.23 |
| 84 | 607.77 | 42.72 | 55.49 |
| 85 | 613.35 | 28.50 | 52.87 |
| 86 | 618.94 | -31.93 | 52.76 |
| 87 | 624.52 | -34.22 | 47.66 |
| 88 | 630.10 | -43.36 | 47.81 |
| 89 | 635.69 | -51.86 | 56.31 |
| 90 | 641.27L | -63.85 | 68.30 |
| 90 | 641.27R | 70.71 | 76.47 |
| 91 | 647.26 | 65.22 | 70.98 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.79 | 99.49 | -10.07 | 109.56 |
| 53 | 409.37 | 347.67 | -43.83 | 391.50 |
| 54 | 414.96 | 486.21 | -77.59 | 563.80 |
| 55 | 420.54 | 458.34 | -113.26 | 571.60 |
| 56 | 426.13 | 459.99 | -150.62 | 610.62 |
| 57 | 431.71 | 380.41 | -187.98 | 568.39 |
| 58 | 437.30 | 248.86 | -230.91 | 479.77 |

C214 (LC4) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 75.54 | -376.86 | 452.40 |
| 60 | 448.46 | 68.57 | -603.56 | 672.13 |
| 61 | 455.32 | 76.81 | -309.52 | 386.33 |
| 62 | 462.18 | 335.34 | -148.38 | 483.72 |
| 63 | 469.04 | 476.80 | -117.82 | 594.62 |
| 64 | 475.89 | 572.61 | -91.68 | 664.29 |
| 65 | 482.75 | 605.02 | -109.79 | 714.82 |
| 66 | 489.61 | 593.21 | -152.15 | 745.36 |
| 67 | 496.47 | 515.05 | -194.51 | 709.55 |
| 68 | 503.32 | 328.17 | -241.88 | 570.04 |
| 69 | 510.18 | 110.64 | -415.09 | 525.73 |
| 70 | 517.04 | 56.28 | -726.00 | 782.28 |
| 71 | 523.88 | 47.08 | -379.92 | 427.00 |
| 72 | 530.72 | 312.89 | -206.95 | 519.84 |
| 73 | 537.56 | 459.99 | -164.95 | 624.94 |
| 74 | 544.40 | 540.51 | -128.06 | 668.57 |
| 75 | 551.24 | 572.35 | -91.18 | 663.53 |
| 76 | 558.08 | 551.49 | -121.80 | 673.29 |
| 77 | 564.92 | 476.66 | -156.26 | 632.92 |
| 78 | 571.76 | 295.95 | -196.77 | 492.72 |
| 79 | 578.60 | 82.57 | -372.19 | 454.76 |
| 80 | 585.43 | 63.97 | -673.96 | 737.93 |
| 81 | 591.02 | 56.26 | -418.74 | 475.00 |
| 82 | 596.60 | 246.86 | -228.08 | 474.94 |
| 83 | 602.19 | 387.41 | -187.65 | 575.06 |
| 84 | 607.77 | 463.25 | -155.90 | 619.15 |
| 85 | 613.35 | 503.68 | -127.26 | 630.95 |
| 86 | 618.94 | 488.66 | -135.94 | 624.59 |
| 87 | 624.52 | 433.35 | -174.45 | 607.80 |
| 88 | 630.10 | 354.54 | -218.53 | 573.07 |
| 89 | 635.69 | 215.47 | -262.61 | 478.08 |
| 90 | 641.27 | 33.18 | -391.29 | 424.46 |
| 91 | 647.26 | 2.57 | -0.47 | 3.04 |

C214 (LC4) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 53.38 | 56.55 |
| 53 | 409.38 | 35.08 | 38.24 |
| 54 | 414.97 | 22.67 | 34.42 |
| 55 | 420.55 | 25.55 | 44.04 |
| 56 | 426.13 | -32.24 | 49.11 |
| 57 | 431.72 | -39.11 | 45.32 |
| 58 | 437.30 | -42.87 | 45.00 |
| 59 | 442.88 | -55.91 | 56.96 |
| 60 | 448.46L | -68.23 | 69.27 |
| 60 | 448.46R | 67.74 | 70.23 |
| 61 | 455.32 | 58.39 | 60.88 |
| 62 | 462.18 | 49.34 | 52.16 |
| 63 | 469.04 | 43.05 | 50.44 |
| 64 | 475.89 | 33.25 | 54.02 |
| 65 | 482.75 | -36.05 | 71.72 |
| 66 | 489.61 | -30.73 | 54.66 |
| 67 | 496.47 | -41.77 | 49.16 |
| 68 | 503.32 | -45.59 | 48.52 |
| 69 | 510.18 | -58.70 | 60.26 |
| 70 | 517.04L | -68.65 | 70.21 |
| 70 | 517.04R | 71.16 | 73.18 |
| 71 | 523.93 | 63.37 | 65.39 |
| 72 | 530.82 | 46.86 | 51.10 |
| 73 | 537.70 | 41.28 | 47.67 |
| 74 | 544.59 | 29.08 | 52.26 |
| 75 | 551.48 | -32.48 | 51.19 |
| 76 | 558.37 | -30.39 | 49.56 |
| 77 | 565.26 | -41.84 | 48.94 |
| 78 | 572.14 | -45.16 | 47.43 |
| 79 | 579.03 | -58.28 | 60.54 |
| 80 | 585.92L | -67.72 | 69.98 |
| 80 | 585.92R | 71.84 | 75.29 |
| 81 | 591.44 | 65.06 | 68.51 |
| 82 | 596.95 | 52.97 | 56.42 |
| 83 | 602.47 | 40.63 | 51.92 |
| 84 | 607.98 | 41.29 | 53.80 |
| 85 | 613.50 | 26.96 | 51.50 |
| 86 | 619.02 | -33.50 | 52.53 |
| 87 | 624.53 | -30.57 | 46.70 |
| 88 | 630.05 | -39.95 | 48.63 |
| 89 | 635.57 | -49.42 | 52.40 |
| 90 | 641.08L | -63.16 | 66.14 |
| 90 | 641.08R | 64.89 | 67.82 |
| 91 | 647.14 | 58.21 | 60.66 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 96.34 | -5.28 | 101.62 |
| 53 | 409.38 | 323.63 | -22.87 | 346.50 |
| 54 | 414.97 | 433.66 | -40.46 | 474.12 |
| 55 | 420.55 | 391.52 | -63.70 | 455.21 |
| 56 | 426.13 | 397.40 | -91.85 | 489.25 |
| 57 | 431.72 | 320.79 | -120.00 | 440.79 |
| 58 | 437.30 | 200.96 | -165.01 | 365.96 |

C214 (LC4) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 52.68 | -297.28 | 349.96 |
| 60 | 448.46 | 38.42 | -495.19 | 533.61 |
| 61 | 455.32 | 71.49 | -273.07 | 344.57 |
| 62 | 462.18 | 275.96 | -117.68 | 393.64 |
| 63 | 469.04 | 372.73 | -78.47 | 451.20 |
| 64 | 475.89 | 442.87 | -53.17 | 496.04 |
| 65 | 482.75 | 437.23 | -50.19 | 487.42 |
| 66 | 489.61 | 450.58 | -85.11 | 535.69 |
| 67 | 496.47 | 390.40 | -120.06 | 510.46 |
| 68 | 503.32 | 250.21 | -170.24 | 420.45 |
| 69 | 510.18 | 85.97 | -350.03 | 436.00 |
| 70 | 517.04 | 32.56 | -600.53 | 633.09 |
| 71 | 523.93 | 46.09 | -318.95 | 365.04 |
| 72 | 530.82 | 263.14 | -148.23 | 411.38 |
| 73 | 537.70 | 375.36 | -103.16 | 478.52 |
| 74 | 544.59 | 437.51 | -71.81 | 509.32 |
| 75 | 551.48 | 435.08 | -40.66 | 475.73 |
| 76 | 558.37 | 435.41 | -66.44 | 501.85 |
| 77 | 565.26 | 366.66 | -94.99 | 461.65 |
| 78 | 572.14 | 223.58 | -138.25 | 361.83 |
| 79 | 579.03 | 49.69 | -329.87 | 379.56 |
| 80 | 585.92 | 40.58 | -587.05 | 627.63 |
| 81 | 591.44 | 35.38 | -378.18 | 413.56 |
| 82 | 596.95 | 215.16 | -205.51 | 420.67 |
| 83 | 602.47 | 320.56 | -146.87 | 467.43 |
| 84 | 607.98 | 378.83 | -112.42 | 491.26 |
| 85 | 613.50 | 418.01 | -86.55 | 504.56 |
| 86 | 619.02 | 391.91 | -82.55 | 474.46 |
| 87 | 624.53 | 328.32 | -113.20 | 441.52 |
| 88 | 630.05 | 268.51 | -158.31 | 426.82 |
| 89 | 635.57 | 150.59 | -229.19 | 379.78 |
| 90 | 641.08 | 17.02 | -348.59 | 365.61 |
| 91 | 647.14 | 1.33 | -0.03 | 1.36 |

C214 (LC4) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 54.85 | 60.80 |
| 53 | 409.40 | 38.41 | 44.36 |
| 54 | 414.98 | 27.04 | 38.57 |
| 55 | 420.56 | 23.37 | 44.31 |
| 56 | 426.14 | -34.11 | 49.56 |
| 57 | 431.72 | -40.53 | 46.36 |
| 58 | 437.30 | -47.30 | 49.08 |
| 59 | 442.88 | -60.98 | 62.76 |
| 60 | 448.46L | -71.55 | 73.34 |
| 60 | 448.46R | 72.36 | 78.28 |
| 61 | 455.32 | 66.21 | 72.13 |
| 62 | 462.18 | 58.86 | 64.79 |
| 63 | 469.04 | 47.68 | 53.93 |
| 64 | 475.90 | 38.73 | 56.45 |
| 65 | 482.76 | -31.31 | 62.11 |
| 66 | 489.62 | -36.09 | 56.98 |
| 67 | 496.48 | -46.25 | 51.07 |
| 68 | 503.34 | -54.43 | 57.74 |
| 69 | 510.20 | -65.01 | 68.33 |
| 70 | 517.06L | -74.55 | 77.87 |
| 70 | 517.06R | 76.36 | 80.76 |
| 71 | 523.99 | 71.73 | 76.13 |
| 72 | 530.93 | 58.10 | 62.50 |
| 73 | 537.87 | 47.47 | 51.37 |
| 74 | 544.81 | 35.69 | 55.00 |
| 75 | 551.75 | 29.34 | 53.54 |
| 76 | 558.68 | -35.97 | 52.49 |
| 77 | 565.62 | -46.63 | 52.43 |
| 78 | 572.56 | -54.52 | 59.39 |
| 79 | 579.50 | -65.20 | 70.07 |
| 80 | 586.44L | -76.03 | 80.90 |
| 80 | 586.44R | 76.10 | 82.69 |
| 81 | 591.88 | 72.61 | 79.21 |
| 82 | 597.33 | 62.16 | 68.76 |
| 83 | 602.78 | 49.18 | 58.76 |
| 84 | 608.23 | 44.69 | 59.08 |
| 85 | 613.67 | 31.39 | 57.37 |
| 86 | 619.12 | -33.20 | 54.87 |
| 87 | 624.57 | -36.87 | 50.55 |
| 88 | 630.02 | -45.36 | 51.72 |
| 89 | 635.46 | -54.25 | 60.35 |
| 90 | 640.91L | -63.74 | 69.84 |
| 90 | 640.91R | 74.02 | 80.13 |
| 91 | 647.03 | 66.22 | 71.54 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 100.85 | -10.07 | 110.93 |
| 53 | 409.40 | 348.47 | -43.33 | 391.80 |
| 54 | 414.98 | 486.27 | -76.59 | 562.86 |
| 55 | 420.56 | 458.50 | -111.81 | 570.31 |
| 56 | 426.14 | 460.01 | -148.69 | 608.70 |
| 57 | 431.72 | 380.74 | -185.57 | 566.31 |
| 58 | 437.30 | 249.16 | -227.72 | 476.88 |

C214 (LC4) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 75.64 | -377.86 | 453.50 |
| 60 | 448.46 | 75.23 | -605.08 | 680.32 |
| 61 | 455.32 | 79.53 | -310.30 | 389.82 |
| 62 | 462.18 | 335.38 | -148.40 | 483.78 |
| 63 | 469.04 | 474.53 | -117.91 | 592.44 |
| 64 | 475.90 | 574.57 | -91.87 | 666.44 |
| 65 | 482.76 | 607.76 | -120.14 | 727.90 |
| 66 | 489.62 | 596.85 | -166.91 | 763.76 |
| 67 | 496.48 | 519.99 | -213.69 | 733.68 |
| 68 | 503.34 | 333.65 | -266.15 | 599.80 |
| 69 | 510.20 | 116.94 | -438.44 | 555.37 |
| 70 | 517.06 | 59.44 | -756.56 | 816.00 |
| 71 | 523.99 | 39.32 | -390.12 | 429.44 |
| 72 | 530.93 | 324.36 | -205.88 | 530.24 |
| 73 | 537.87 | 482.47 | -165.58 | 648.05 |
| 74 | 544.81 | 564.61 | -128.28 | 692.89 |
| 75 | 551.75 | 600.69 | -90.97 | 691.65 |
| 76 | 558.68 | 570.29 | -119.57 | 689.87 |
| 77 | 565.62 | 484.65 | -152.77 | 637.43 |
| 78 | 572.56 | 289.41 | -190.36 | 479.77 |
| 79 | 579.50 | 54.11 | -402.66 | 456.77 |
| 80 | 586.44 | 75.58 | -742.47 | 818.05 |
| 81 | 591.88 | 67.26 | -483.76 | 551.02 |
| 82 | 597.33 | 255.23 | -287.11 | 542.34 |
| 83 | 602.78 | 402.39 | -241.37 | 643.76 |
| 84 | 608.23 | 475.20 | -201.59 | 676.79 |
| 85 | 613.67 | 504.46 | -165.75 | 670.21 |
| 86 | 619.12 | 496.16 | -145.87 | 642.03 |
| 87 | 624.57 | 435.86 | -182.50 | 618.36 |
| 88 | 630.02 | 327.99 | -224.41 | 552.41 |
| 89 | 635.46 | 207.09 | -277.22 | 484.31 |
| 90 | 640.91 | 36.37 | -407.09 | 443.46 |
| 91 | 647.03 | 5.67 | -0.46 | 6.13 |

C214 (LC5) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.79 | 61.56 | 67.46 |
| 53 | 409.37 | 47.55 | 53.45 |
| 54 | 414.96 | 33.11 | 45.30 |
| 55 | 420.54 | 26.10 | 47.35 |
| 56 | 426.13 | -34.15 | 50.16 |
| 57 | 431.71 | -40.43 | 47.66 |
| 58 | 437.30 | -47.92 | 49.53 |
| 59 | 442.88 | -58.19 | 59.80 |
| 60 | 448.46L | -72.86 | 74.46 |
| 60 | 448.46R | 71.68 | 77.03 |
| 61 | 455.32 | 66.60 | 71.95 |
| 62 | 462.18 | 55.47 | 60.81 |
| 63 | 469.04 | 48.77 | 53.90 |
| 64 | 475.89 | 35.54 | 54.30 |
| 65 | 482.75 | 30.89 | 56.90 |
| 66 | 489.61 | -35.82 | 53.43 |
| 67 | 496.47 | -45.72 | 52.96 |
| 68 | 503.32 | -53.43 | 56.86 |
| 69 | 510.18 | -63.83 | 67.26 |
| 70 | 517.04L | -74.06 | 77.48 |
| 70 | 517.04R | 74.88 | 79.25 |
| 71 | 523.88 | 68.07 | 72.44 |
| 72 | 530.72 | 57.92 | 62.29 |
| 73 | 537.56 | 48.14 | 53.36 |
| 74 | 544.40 | 36.87 | 57.68 |
| 75 | 551.24 | -34.96 | 65.28 |
| 76 | 558.08 | -34.96 | 54.06 |
| 77 | 564.92 | -45.26 | 51.67 |
| 78 | 571.76 | -52.05 | 56.63 |
| 79 | 578.60 | -62.58 | 67.16 |
| 80 | 585.43L | -72.40 | 76.98 |
| 80 | 585.43R | 74.33 | 80.23 |
| 81 | 591.02 | 69.26 | 75.17 |
| 82 | 596.60 | 61.00 | 66.91 |
| 83 | 602.19 | 48.74 | 58.31 |
| 84 | 607.77 | 39.05 | 53.04 |
| 85 | 613.35 | 32.11 | 56.35 |
| 86 | 618.94 | -31.49 | 50.61 |
| 87 | 624.52 | -33.62 | 47.92 |
| 88 | 630.10 | -42.83 | 47.20 |
| 89 | 635.69 | -51.51 | 55.88 |
| 90 | 641.27L | -60.88 | 65.25 |
| 90 | 641.27R | 71.64 | 77.31 |
| 91 | 647.26 | 64.14 | 69.81 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.79 | 99.50 | -10.03 | 109.54 |
| 53 | 409.37 | 347.76 | -43.68 | 391.44 |
| 54 | 414.96 | 488.88 | -77.33 | 566.21 |
| 55 | 420.54 | 468.75 | -112.89 | 581.64 |
| 56 | 426.13 | 462.56 | -150.14 | 612.70 |
| 57 | 431.71 | 380.80 | -187.39 | 568.19 |
| 58 | 437.30 | 260.44 | -235.80 | 496.24 |
| 59 | 442.88 | 76.04 | -376.12 | 452.16 |

C214 (LC5) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 68.51 | -593.76 | 662.27 |
| 61 | 455.32 | 84.05 | -309.73 | 393.78 |
| 62 | 462.18 | 335.15 | -151.82 | 486.97 |
| 63 | 469.04 | 476.14 | -120.52 | 596.66 |
| 64 | 475.89 | 577.94 | -93.76 | 671.71 |
| 65 | 482.75 | 606.96 | -109.69 | 716.65 |
| 66 | 489.61 | 595.83 | -152.02 | 747.85 |
| 67 | 496.47 | 515.76 | -194.35 | 710.11 |
| 68 | 503.32 | 325.32 | -241.70 | 567.01 |
| 69 | 510.18 | 111.69 | -417.48 | 529.17 |
| 70 | 517.04 | 57.07 | -717.55 | 774.62 |
| 71 | 523.88 | 50.42 | -382.39 | 432.81 |
| 72 | 530.72 | 312.81 | -207.96 | 520.77 |
| 73 | 537.56 | 459.81 | -165.90 | 625.71 |
| 74 | 544.40 | 542.25 | -128.81 | 671.05 |
| 75 | 551.24 | 571.92 | -91.72 | 663.65 |
| 76 | 558.08 | 551.70 | -123.50 | 675.20 |
| 77 | 564.92 | 475.69 | -158.42 | 634.11 |
| 78 | 571.76 | 295.15 | -199.44 | 494.59 |
| 79 | 578.60 | 91.18 | -372.65 | 463.83 |
| 80 | 585.43 | 64.34 | -666.72 | 731.06 |
| 81 | 591.02 | 56.59 | -415.94 | 472.53 |
| 82 | 596.60 | 247.12 | -226.65 | 473.77 |
| 83 | 602.19 | 389.83 | -186.44 | 576.26 |
| 84 | 607.77 | 467.28 | -154.87 | 622.15 |
| 85 | 613.35 | 509.15 | -126.42 | 635.57 |
| 86 | 618.94 | 497.31 | -131.46 | 628.78 |
| 87 | 624.52 | 442.71 | -168.68 | 611.39 |
| 88 | 630.10 | 352.27 | -211.25 | 563.52 |
| 89 | 635.69 | 218.89 | -267.80 | 486.69 |
| 90 | 641.27 | 33.13 | -389.32 | 422.45 |
| 91 | 647.26 | 2.56 | -0.47 | 3.03 |

C214 (LC5) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 59.38 | 62.50 |
| 53 | 409.38 | 43.72 | 47.16 |
| 54 | 414.97 | 28.30 | 40.43 |
| 55 | 420.55 | 28.18 | 46.92 |
| 56 | 426.13 | -32.25 | 49.39 |
| 57 | 431.72 | -39.00 | 46.77 |
| 58 | 437.30 | -42.37 | 45.36 |
| 59 | 442.88 | -54.79 | 55.83 |
| 60 | 448.46L | -69.89 | 70.92 |
| 60 | 448.46R | 66.12 | 68.58 |
| 61 | 455.32 | 58.79 | 61.24 |
| 62 | 462.18 | 45.37 | 49.31 |
| 63 | 469.04 | 44.40 | 49.98 |
| 64 | 475.89 | 29.99 | 51.38 |
| 65 | 482.75 | -36.71 | 72.94 |
| 66 | 489.61 | -30.83 | 51.02 |
| 67 | 496.47 | -41.69 | 51.20 |
| 68 | 503.32 | -45.14 | 47.85 |
| 69 | 510.18 | -58.07 | 59.66 |
| 70 | 517.04L | -69.79 | 71.38 |
| 70 | 517.04R | 70.31 | 72.36 |
| 71 | 523.93 | 61.49 | 63.54 |
| 72 | 530.82 | 49.06 | 53.07 |
| 73 | 537.70 | 43.60 | 50.72 |
| 74 | 544.59 | 31.76 | 55.46 |
| 75 | 551.48 | -32.77 | 53.66 |
| 76 | 558.37 | -30.40 | 52.46 |
| 77 | 565.26 | -41.72 | 50.61 |
| 78 | 572.14 | -44.73 | 47.70 |
| 79 | 579.03 | -57.52 | 59.80 |
| 80 | 585.92L | -68.17 | 70.44 |
| 80 | 585.92R | 71.02 | 74.45 |
| 81 | 591.44 | 63.73 | 67.16 |
| 82 | 596.95 | 55.38 | 58.80 |
| 83 | 602.47 | 42.50 | 54.75 |
| 84 | 607.98 | 38.32 | 51.69 |
| 85 | 613.50 | 30.05 | 54.30 |
| 86 | 619.02 | -33.15 | 50.52 |
| 87 | 624.53 | -29.90 | 46.59 |
| 88 | 630.05 | -39.41 | 48.75 |
| 89 | 635.57 | -49.02 | 51.97 |
| 90 | 641.08L | -59.80 | 62.75 |
| 90 | 641.08R | 63.73 | 66.62 |
| 91 | 647.14 | 58.07 | 60.48 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 96.68 | -5.26 | 101.94 |
| 53 | 409.38 | 323.56 | -22.77 | 346.33 |
| 54 | 414.97 | 435.90 | -40.28 | 476.18 |
| 55 | 420.55 | 398.34 | -63.44 | 461.78 |
| 56 | 426.13 | 404.76 | -91.53 | 496.28 |
| 57 | 431.72 | 319.91 | -119.61 | 439.52 |
| 58 | 437.30 | 211.38 | -173.22 | 384.60 |
| 59 | 442.88 | 53.46 | -295.27 | 348.73 |

C214 (LC5) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 38.36 | -484.52 | 522.88 |
| 61 | 455.32 | 77.72 | -271.37 | 349.09 |
| 62 | 462.18 | 275.89 | -120.85 | 396.73 |
| 63 | 469.04 | 374.71 | -80.50 | 455.21 |
| 64 | 475.89 | 445.95 | -54.49 | 500.44 |
| 65 | 482.75 | 437.99 | -50.08 | 488.07 |
| 66 | 489.61 | 451.86 | -84.99 | 536.85 |
| 67 | 496.47 | 388.88 | -119.91 | 508.79 |
| 68 | 503.32 | 245.85 | -170.08 | 415.94 |
| 69 | 510.18 | 86.22 | -350.63 | 436.85 |
| 70 | 517.04 | 32.99 | -590.84 | 623.83 |
| 71 | 523.93 | 47.60 | -320.78 | 368.38 |
| 72 | 530.82 | 263.41 | -148.74 | 412.15 |
| 73 | 537.70 | 369.17 | -103.54 | 472.71 |
| 74 | 544.59 | 435.72 | -72.09 | 507.81 |
| 75 | 551.48 | 434.58 | -40.91 | 475.48 |
| 76 | 558.37 | 435.29 | -67.33 | 502.62 |
| 77 | 565.26 | 371.34 | -96.18 | 467.52 |
| 78 | 572.14 | 218.74 | -140.62 | 359.35 |
| 79 | 579.03 | 57.79 | -328.04 | 385.83 |
| 80 | 585.92 | 40.73 | -577.63 | 618.36 |
| 81 | 591.44 | 35.51 | -375.07 | 410.58 |
| 82 | 596.95 | 214.80 | -212.33 | 427.14 |
| 83 | 602.47 | 321.49 | -146.14 | 467.63 |
| 84 | 607.98 | 383.07 | -111.80 | 494.87 |
| 85 | 613.50 | 419.00 | -86.03 | 505.03 |
| 86 | 619.02 | 397.56 | -82.08 | 479.64 |
| 87 | 624.53 | 334.75 | -112.67 | 447.41 |
| 88 | 630.05 | 267.17 | -157.79 | 424.96 |
| 89 | 635.57 | 149.89 | -233.37 | 383.25 |
| 90 | 641.08 | 16.96 | -341.03 | 357.99 |
| 91 | 647.14 | 1.33 | -0.03 | 1.35 |

C214 (LC5) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 61.50 | 67.36 |
| 53 | 409.40 | 47.46 | 53.32 |
| 54 | 414.98 | 33.03 | 45.27 |
| 55 | 420.56 | 26.09 | 47.43 |
| 56 | 426.14 | -34.22 | 50.22 |
| 57 | 431.72 | -40.47 | 47.69 |
| 58 | 437.30 | -47.97 | 49.72 |
| 59 | 442.88 | -58.25 | 60.00 |
| 60 | 448.46L | -72.91 | 74.66 |
| 60 | 448.46R | 71.70 | 77.52 |
| 61 | 455.32 | 66.63 | 72.44 |
| 62 | 462.18 | 55.52 | 61.34 |
| 63 | 469.04 | 48.86 | 54.44 |
| 64 | 475.90 | 35.64 | 54.53 |
| 65 | 482.76 | -32.13 | 63.86 |
| 66 | 489.62 | -36.29 | 54.02 |
| 67 | 496.48 | -46.23 | 53.52 |
| 68 | 503.34 | -54.14 | 57.54 |
| 69 | 510.20 | -64.50 | 67.90 |
| 70 | 517.06L | -75.16 | 78.55 |
| 70 | 517.06R | 76.60 | 81.08 |
| 71 | 523.99 | 70.43 | 74.90 |
| 72 | 530.93 | 60.29 | 64.76 |
| 73 | 537.87 | 49.62 | 54.53 |
| 74 | 544.81 | 38.45 | 58.72 |
| 75 | 551.75 | 32.36 | 57.31 |
| 76 | 558.68 | -36.05 | 55.90 |
| 77 | 565.62 | -46.53 | 53.52 |
| 78 | 572.56 | -54.24 | 59.12 |
| 79 | 579.50 | -64.63 | 69.51 |
| 80 | 586.44L | -74.39 | 79.28 |
| 80 | 586.44R | 76.95 | 83.72 |
| 81 | 591.88 | 69.80 | 76.56 |
| 82 | 597.33 | 64.45 | 71.22 |
| 83 | 602.78 | 51.75 | 62.84 |
| 84 | 608.23 | 41.65 | 57.19 |
| 85 | 613.67 | 33.58 | 59.16 |
| 86 | 619.12 | -32.71 | 53.28 |
| 87 | 624.57 | -36.29 | 50.95 |
| 88 | 630.02 | -44.85 | 52.41 |
| 89 | 635.46 | -53.81 | 59.82 |
| 90 | 640.91L | -64.91 | 70.92 |
| 90 | 640.91R | 72.97 | 78.98 |
| 91 | 647.03 | 65.57 | 70.81 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 100.88 | -10.03 | 110.91 |
| 53 | 409.40 | 348.55 | -43.14 | 391.70 |
| 54 | 414.98 | 488.84 | -76.26 | 565.10 |
| 55 | 420.56 | 468.97 | -111.34 | 580.31 |
| 56 | 426.14 | 462.58 | -148.07 | 610.65 |
| 57 | 431.72 | 381.13 | -184.80 | 565.93 |
| 58 | 437.30 | 260.58 | -236.69 | 497.26 |
| 59 | 442.88 | 75.61 | -377.13 | 452.75 |

C214 (LC5) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 75.09 | -595.40 | 670.49 |
| 61 | 455.32 | 85.68 | -310.52 | 396.20 |
| 62 | 462.18 | 335.17 | -152.02 | 487.19 |
| 63 | 469.04 | 473.71 | -120.75 | 594.47 |
| 64 | 475.90 | 579.91 | -94.07 | 673.97 |
| 65 | 482.76 | 609.71 | -119.90 | 729.60 |
| 66 | 489.62 | 599.49 | -166.59 | 766.08 |
| 67 | 496.48 | 520.72 | -213.29 | 734.01 |
| 68 | 503.34 | 331.10 | -265.67 | 596.77 |
| 69 | 510.20 | 117.92 | -441.68 | 559.60 |
| 70 | 517.06 | 60.31 | -749.86 | 810.17 |
| 71 | 523.99 | 41.35 | -392.64 | 434.00 |
| 72 | 530.93 | 324.28 | -206.93 | 531.21 |
| 73 | 537.87 | 482.06 | -166.55 | 648.61 |
| 74 | 544.81 | 566.18 | -129.03 | 695.21 |
| 75 | 551.75 | 599.64 | -91.51 | 691.15 |
| 76 | 558.68 | 570.41 | -121.34 | 691.75 |
| 77 | 565.62 | 483.72 | -155.01 | 638.73 |
| 78 | 572.56 | 285.33 | -193.09 | 478.42 |
| 79 | 579.50 | 59.58 | -403.69 | 463.27 |
| 80 | 586.44 | 76.02 | -734.28 | 810.31 |
| 81 | 591.88 | 67.65 | -481.49 | 549.15 |
| 82 | 597.33 | 255.70 | -285.26 | 540.96 |
| 83 | 602.78 | 405.10 | -239.77 | 644.87 |
| 84 | 608.23 | 479.74 | -200.22 | 679.97 |
| 85 | 613.67 | 510.61 | -164.62 | 675.23 |
| 86 | 619.12 | 505.47 | -149.84 | 655.31 |
| 87 | 624.57 | 446.84 | -187.47 | 634.31 |
| 88 | 630.02 | 337.95 | -230.55 | 568.50 |
| 89 | 635.46 | 198.71 | -289.39 | 488.10 |
| 90 | 640.91 | 36.14 | -404.64 | 440.77 |
| 91 | 647.03 | 5.67 | -0.46 | 6.13 |

C214 (LC6) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.79 | 57.19 | 63.06 |
| 53 | 409.37 | 41.88 | 47.75 |
| 54 | 414.96 | 29.48 | 42.17 |
| 55 | 420.54 | 23.38 | 44.82 |
| 56 | 426.13 | -34.21 | 49.72 |
| 57 | 431.71 | -40.32 | 46.20 |
| 58 | 437.30 | -46.47 | 48.06 |
| 59 | 442.88 | -59.73 | 61.32 |
| 60 | 448.46L | -73.21 | 74.80 |
| 60 | 448.46R | 69.77 | 75.04 |
| 61 | 455.32 | 63.82 | 69.09 |
| 62 | 462.18 | 56.31 | 61.58 |
| 63 | 469.04 | 45.55 | 50.80 |
| 64 | 475.89 | 36.68 | 56.49 |
| 65 | 482.75 | 31.86 | 58.41 |
| 66 | 489.61 | -35.88 | 55.79 |
| 67 | 496.47 | -45.65 | 55.27 |
| 68 | 503.32 | -53.06 | 56.47 |
| 69 | 510.18 | -63.38 | 66.78 |
| 70 | 517.04L | -74.64 | 78.05 |
| 70 | 517.04R | 75.18 | 79.61 |
| 71 | 523.88 | 69.68 | 74.11 |
| 72 | 530.72 | 59.95 | 64.38 |
| 73 | 537.56 | 50.18 | 56.43 |
| 74 | 544.40 | 39.53 | 61.22 |
| 75 | 551.24 | -34.97 | 65.62 |
| 76 | 558.08 | -34.97 | 57.60 |
| 77 | 564.92 | -45.12 | 54.93 |
| 78 | 571.76 | -51.67 | 56.26 |
| 79 | 578.60 | -61.85 | 66.44 |
| 80 | 585.43L | -72.79 | 77.39 |
| 80 | 585.43R | 74.93 | 80.90 |
| 81 | 591.02 | 68.17 | 74.15 |
| 82 | 596.60 | 56.98 | 62.95 |
| 83 | 602.19 | 51.02 | 61.77 |
| 84 | 607.77 | 41.78 | 56.51 |
| 85 | 613.35 | 27.81 | 51.64 |
| 86 | 618.94 | -31.01 | 51.25 |
| 87 | 624.52 | -33.04 | 48.00 |
| 88 | 630.10 | -42.36 | 46.69 |
| 89 | 635.69 | -50.49 | 54.82 |
| 90 | 641.27L | -62.33 | 66.66 |
| 90 | 641.27R | 70.02 | 75.65 |
| 91 | 647.26 | 65.66 | 71.29 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.79 | 99.51 | -10.03 | 109.54 |
| 53 | 409.37 | 347.82 | -43.67 | 391.49 |
| 54 | 414.96 | 486.55 | -77.31 | 563.86 |
| 55 | 420.54 | 463.03 | -112.86 | 575.89 |
| 56 | 426.13 | 461.43 | -150.11 | 611.54 |
| 57 | 431.71 | 386.79 | -187.35 | 574.14 |
| 58 | 437.30 | 251.99 | -247.75 | 499.74 |
| 59 | 442.88 | 74.93 | -374.68 | 449.60 |

C214 (LC6) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 68.66 | -583.18 | 651.84 |
| 61 | 455.32 | 83.53 | -308.70 | 392.23 |
| 62 | 462.18 | 335.00 | -150.97 | 485.97 |
| 63 | 469.04 | 476.04 | -119.81 | 595.84 |
| 64 | 475.89 | 584.24 | -93.19 | 677.43 |
| 65 | 482.75 | 609.50 | -109.93 | 719.43 |
| 66 | 489.61 | 598.93 | -152.35 | 751.27 |
| 67 | 496.47 | 516.70 | -194.77 | 711.46 |
| 68 | 503.32 | 325.40 | -242.21 | 567.62 |
| 69 | 510.18 | 117.75 | -418.88 | 536.63 |
| 70 | 517.04 | 57.80 | -710.23 | 768.03 |
| 71 | 523.88 | 50.48 | -382.55 | 433.02 |
| 72 | 530.72 | 312.76 | -209.28 | 522.04 |
| 73 | 537.56 | 460.19 | -166.97 | 627.15 |
| 74 | 544.40 | 544.46 | -129.64 | 674.10 |
| 75 | 551.24 | 572.98 | -92.32 | 665.31 |
| 76 | 558.08 | 552.44 | -125.09 | 677.53 |
| 77 | 564.92 | 475.23 | -160.43 | 635.66 |
| 78 | 571.76 | 295.11 | -201.93 | 497.04 |
| 79 | 578.60 | 91.25 | -371.78 | 463.03 |
| 80 | 585.43 | 64.76 | -659.24 | 723.99 |
| 81 | 591.02 | 56.95 | -413.50 | 470.45 |
| 82 | 596.60 | 247.39 | -232.67 | 480.05 |
| 83 | 602.19 | 393.09 | -185.88 | 578.97 |
| 84 | 607.77 | 471.03 | -154.40 | 625.44 |
| 85 | 613.35 | 514.41 | -126.03 | 640.44 |
| 86 | 618.94 | 505.35 | -132.98 | 638.33 |
| 87 | 624.52 | 452.05 | -170.67 | 622.73 |
| 88 | 630.10 | 363.28 | -213.83 | 577.11 |
| 89 | 635.69 | 228.29 | -278.97 | 507.25 |
| 90 | 641.27 | 33.19 | -387.50 | 420.69 |
| 91 | 647.26 | 2.54 | -0.47 | 3.01 |

C214 (LC6) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 54.36 | 57.43 |
| 53 | 409.38 | 37.59 | 41.68 |
| 54 | 414.97 | 24.59 | 36.98 |
| 55 | 420.55 | 25.57 | 44.38 |
| 56 | 426.13 | -32.22 | 49.10 |
| 57 | 431.72 | -38.86 | 45.03 |
| 58 | 437.30 | -41.85 | 44.30 |
| 59 | 442.88 | -54.64 | 55.66 |
| 60 | 448.46L | -70.66 | 71.69 |
| 60 | 448.46R | 64.25 | 66.69 |
| 61 | 455.32 | 55.19 | 57.62 |
| 62 | 462.18 | 46.21 | 51.09 |
| 63 | 469.04 | 40.73 | 47.00 |
| 64 | 475.89 | 31.18 | 53.12 |
| 65 | 482.75 | -37.16 | 73.62 |
| 66 | 489.61 | -30.83 | 53.07 |
| 67 | 496.47 | -41.58 | 53.10 |
| 68 | 503.32 | -44.62 | 48.23 |
| 69 | 510.18 | -57.48 | 59.06 |
| 70 | 517.04L | -66.98 | 68.56 |
| 70 | 517.04R | 71.12 | 73.19 |
| 71 | 523.93 | 63.04 | 65.11 |
| 72 | 530.82 | 45.51 | 50.52 |
| 73 | 537.70 | 41.11 | 48.83 |
| 74 | 544.59 | 28.88 | 53.07 |
| 75 | 551.48 | -32.92 | 52.61 |
| 76 | 558.37 | -30.39 | 50.40 |
| 77 | 565.26 | -41.58 | 49.98 |
| 78 | 572.14 | -44.20 | 46.81 |
| 79 | 579.03 | -56.70 | 58.98 |
| 80 | 585.92L | -68.87 | 71.14 |
| 80 | 585.92R | 71.59 | 75.10 |
| 81 | 591.44 | 63.27 | 66.78 |
| 82 | 596.95 | 51.01 | 54.51 |
| 83 | 602.47 | 44.77 | 57.72 |
| 84 | 607.98 | 40.15 | 53.89 |
| 85 | 613.50 | 27.18 | 51.10 |
| 86 | 619.02 | -32.78 | 51.28 |
| 87 | 624.53 | -29.26 | 46.36 |
| 88 | 630.05 | -38.94 | 48.97 |
| 89 | 635.57 | -48.63 | 51.54 |
| 90 | 641.08L | -61.63 | 64.54 |
| 90 | 641.08R | 64.31 | 67.18 |
| 91 | 647.14 | 57.95 | 60.34 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 96.29 | -5.25 | 101.55 |
| 53 | 409.38 | 323.49 | -22.74 | 346.23 |
| 54 | 414.97 | 433.49 | -40.23 | 473.72 |
| 55 | 420.55 | 393.97 | -63.38 | 457.35 |
| 56 | 426.13 | 394.97 | -91.46 | 486.43 |
| 57 | 431.72 | 333.75 | -119.54 | 453.29 |
| 58 | 437.30 | 202.48 | -181.54 | 384.02 |

C214 (LC6) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 49.75 | -292.67 | 342.42 |
| 60 | 448.46 | 38.39 | -472.98 | 511.37 |
| 61 | 455.32 | 75.78 | -269.80 | 345.58 |
| 62 | 462.18 | 275.71 | -120.48 | 396.19 |
| 63 | 469.04 | 371.90 | -80.17 | 452.07 |
| 64 | 475.89 | 449.56 | -54.22 | 503.78 |
| 65 | 482.75 | 439.01 | -50.12 | 489.13 |
| 66 | 489.61 | 448.60 | -85.06 | 533.66 |
| 67 | 496.47 | 389.02 | -120.03 | 509.05 |
| 68 | 503.32 | 245.69 | -170.26 | 415.95 |
| 69 | 510.18 | 93.08 | -350.36 | 443.44 |
| 70 | 517.04 | 33.38 | -581.24 | 614.63 |
| 71 | 523.93 | 48.09 | -320.40 | 368.50 |
| 72 | 530.82 | 263.51 | -149.39 | 412.90 |
| 73 | 537.70 | 364.89 | -104.02 | 468.91 |
| 74 | 544.59 | 434.50 | -72.44 | 506.94 |
| 75 | 551.48 | 434.66 | -41.19 | 475.85 |
| 76 | 558.37 | 432.15 | -68.16 | 500.31 |
| 77 | 565.26 | 365.84 | -97.28 | 463.12 |
| 78 | 572.14 | 221.95 | -148.84 | 370.79 |
| 79 | 579.03 | 55.64 | -325.71 | 381.35 |
| 80 | 585.92 | 40.93 | -567.79 | 608.71 |
| 81 | 591.44 | 35.69 | -371.07 | 406.76 |
| 82 | 596.95 | 214.49 | -219.20 | 433.68 |
| 83 | 602.47 | 325.41 | -145.84 | 471.25 |
| 84 | 607.98 | 379.31 | -111.53 | 490.84 |
| 85 | 613.50 | 425.49 | -85.81 | 511.30 |
| 86 | 619.02 | 402.98 | -84.12 | 487.10 |
| 87 | 624.53 | 340.63 | -115.45 | 456.08 |
| 88 | 630.05 | 274.17 | -161.63 | 435.80 |
| 89 | 635.57 | 154.72 | -236.67 | 391.40 |
| 90 | 641.08 | 16.95 | -334.09 | 351.04 |
| 91 | 647.14 | 1.33 | -0.03 | 1.35 |

C214 (LC6) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.82 | 57.11 | 62.91 |
| 53 | 409.40 | 41.79 | 47.59 |
| 54 | 414.98 | 29.41 | 42.15 |
| 55 | 420.56 | 23.42 | 44.95 |
| 56 | 426.14 | -34.29 | 49.79 |
| 57 | 431.72 | -40.36 | 46.25 |
| 58 | 437.30 | -46.54 | 48.27 |
| 59 | 442.88 | -59.79 | 61.52 |
| 60 | 448.46L | -73.25 | 74.99 |
| 60 | 448.46R | 69.79 | 75.54 |
| 61 | 455.32 | 63.84 | 69.59 |
| 62 | 462.18 | 56.36 | 62.11 |
| 63 | 469.04 | 45.64 | 51.15 |
| 64 | 475.90 | 36.78 | 56.75 |
| 65 | 482.76 | 32.76 | 65.48 |
| 66 | 489.62 | -36.38 | 56.40 |
| 67 | 496.48 | -46.17 | 55.85 |
| 68 | 503.34 | -53.77 | 57.14 |
| 69 | 510.20 | -64.00 | 67.38 |
| 70 | 517.06L | -73.25 | 76.63 |
| 70 | 517.06R | 76.74 | 81.26 |
| 71 | 523.99 | 71.86 | 76.37 |
| 72 | 530.93 | 57.07 | 61.59 |
| 73 | 537.87 | 46.62 | 52.55 |
| 74 | 544.81 | 35.26 | 56.48 |
| 75 | 551.75 | 29.84 | 55.19 |
| 76 | 558.68 | -36.10 | 54.21 |
| 77 | 565.62 | -46.42 | 53.32 |
| 78 | 572.56 | -53.87 | 58.76 |
| 79 | 579.50 | -63.98 | 68.87 |
| 80 | 586.44L | -74.74 | 79.64 |
| 80 | 586.44R | 75.90 | 82.46 |
| 81 | 591.88 | 71.15 | 77.72 |
| 82 | 597.33 | 60.52 | 67.08 |
| 83 | 602.78 | 54.36 | 66.65 |
| 84 | 608.23 | 43.72 | 59.67 |
| 85 | 613.67 | 31.78 | 56.92 |
| 86 | 619.12 | -32.21 | 53.51 |
| 87 | 624.57 | -35.74 | 51.10 |
| 88 | 630.02 | -44.38 | 53.21 |
| 89 | 635.46 | -53.38 | 59.31 |
| 90 | 640.91L | -66.30 | 72.22 |
| 90 | 640.91R | 73.89 | 79.85 |
| 91 | 647.03 | 65.39 | 70.59 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.82 | 100.88 | -10.02 | 110.89 |
| 53 | 409.40 | 348.62 | -43.10 | 391.72 |
| 54 | 414.98 | 486.61 | -76.18 | 562.79 |
| 55 | 420.56 | 462.98 | -111.23 | 574.21 |
| 56 | 426.14 | 461.45 | -147.94 | 609.39 |
| 57 | 431.72 | 386.91 | -184.65 | 571.56 |
| 58 | 437.30 | 252.00 | -248.67 | 500.67 |

C214 (LC6) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 75.01 | -375.73 | 450.74 |
| 60 | 448.46 | 75.14 | -584.79 | 659.92 |
| 61 | 455.32 | 86.45 | -309.48 | 395.93 |
| 62 | 462.18 | 335.02 | -151.03 | 486.05 |
| 63 | 469.04 | 473.50 | -119.93 | 593.43 |
| 64 | 475.90 | 586.22 | -93.41 | 679.63 |
| 65 | 482.76 | 612.27 | -119.97 | 732.24 |
| 66 | 489.62 | 602.62 | -166.70 | 769.32 |
| 67 | 496.48 | 521.68 | -213.43 | 735.11 |
| 68 | 503.34 | 331.21 | -265.85 | 597.06 |
| 69 | 510.20 | 123.55 | -443.82 | 567.36 |
| 70 | 517.06 | 61.14 | -739.29 | 800.43 |
| 71 | 523.99 | 44.07 | -392.98 | 437.05 |
| 72 | 530.93 | 324.22 | -208.25 | 532.46 |
| 73 | 537.87 | 482.14 | -167.62 | 649.76 |
| 74 | 544.81 | 568.51 | -129.87 | 698.38 |
| 75 | 551.75 | 599.93 | -92.12 | 692.05 |
| 76 | 558.68 | 570.90 | -123.02 | 693.92 |
| 77 | 565.62 | 483.14 | -157.13 | 640.27 |
| 78 | 572.56 | 288.67 | -195.69 | 484.35 |
| 79 | 579.50 | 61.64 | -401.90 | 463.54 |
| 80 | 586.44 | 76.51 | -726.13 | 802.65 |
| 81 | 591.88 | 68.09 | -478.62 | 546.71 |
| 82 | 597.33 | 256.17 | -293.47 | 549.64 |
| 83 | 602.78 | 407.76 | -238.83 | 646.59 |
| 84 | 608.23 | 484.04 | -199.42 | 683.46 |
| 85 | 613.67 | 516.41 | -163.95 | 680.36 |
| 86 | 619.12 | 514.30 | -145.39 | 659.69 |
| 87 | 624.57 | 457.21 | -181.89 | 639.09 |
| 88 | 630.02 | 350.36 | -223.63 | 573.98 |
| 89 | 635.46 | 205.88 | -300.34 | 506.22 |
| 90 | 640.91 | 36.04 | -402.32 | 438.36 |
| 91 | 647.03 | 5.66 | -0.46 | 6.12 |

C237b Service Loads

(LC for Variable Axle Spacing)

C237 (LC1) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 54.21 | 60.47 |
| 53 | 409.37 | 39.28 | 45.55 |
| 54 | 414.96 | 26.83 | 38.44 |
| 55 | 420.54 | -20.77 | 40.49 |
| 56 | 426.13 | -33.62 | 46.13 |
| 57 | 431.71 | -39.90 | 43.23 |
| 58 | 437.30 | -47.26 | 48.95 |
| 59 | 442.88 | -59.47 | 61.16 |
| 60 | 448.46L | -74.53 | 76.22 |
| 60 | 448.46R | 72.91 | 78.53 |
| 61 | 455.32 | 65.82 | 71.43 |
| 62 | 462.18 | 57.15 | 62.76 |
| 63 | 469.04 | 49.09 | 54.55 |
| 64 | 475.89 | 35.33 | 52.48 |
| 65 | 482.75 | 29.40 | 52.36 |
| 66 | 489.61 | -34.18 | 51.31 |
| 67 | 496.47 | -44.56 | 49.97 |
| 68 | 503.32 | -54.15 | 57.44 |
| 69 | 510.18 | -64.74 | 68.04 |
| 70 | 517.04L | -78.27 | 81.57 |
| 70 | 517.04R | 79.26 | 83.85 |
| 71 | 523.88 | 71.85 | 76.44 |
| 72 | 530.72 | 60.98 | 65.57 |
| 73 | 537.56 | 49.32 | 54.18 |
| 74 | 544.40 | 37.94 | 54.45 |
| 75 | 551.24 | -33.42 | 60.51 |
| 76 | 558.08 | -33.42 | 51.89 |
| 77 | 564.92 | -43.59 | 50.01 |
| 78 | 571.76 | -52.67 | 57.57 |
| 79 | 578.60 | -63.10 | 68.00 |
| 80 | 585.43L | -76.22 | 81.12 |
| 80 | 585.43R | 77.75 | 84.23 |
| 81 | 591.02 | 68.81 | 75.29 |
| 82 | 596.60 | 56.38 | 62.86 |
| 83 | 602.19 | 50.26 | 56.74 |
| 84 | 607.77 | 38.74 | 53.59 |
| 85 | 613.35 | 25.69 | 46.98 |
| 86 | 618.94 | -30.96 | 48.94 |
| 87 | 624.52 | -34.39 | 45.64 |
| 88 | 630.10 | -43.23 | 48.06 |
| 89 | 635.69 | -51.97 | 56.56 |
| 90 | 641.27L | -62.77 | 67.36 |
| 90 | 641.27R | 72.42 | 78.41 |
| 91 | 647.26 | 66.60 | 72.60 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.46 | -10.46 | 105.92 |
| 53 | 409.37 | 327.70 | -45.54 | 373.24 |
| 54 | 414.96 | 455.18 | -80.61 | 535.79 |
| 55 | 420.54 | 427.03 | -117.68 | 544.71 |
| 56 | 426.13 | 439.13 | -156.50 | 595.63 |
| 57 | 431.71 | 396.76 | -195.32 | 592.08 |
| 58 | 437.30 | 263.71 | -240.14 | 503.85 |

C237 (LC1) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 72.26 | -385.37 | 457.62 |
| 60 | 448.46 | 72.10 | -597.98 | 670.08 |
| 61 | 455.32 | 94.36 | -304.08 | 398.44 |
| 62 | 462.18 | 355.17 | -146.51 | 501.68 |
| 63 | 469.04 | 502.26 | -116.16 | 618.42 |
| 64 | 475.89 | 575.31 | -90.30 | 665.61 |
| 65 | 482.75 | 612.18 | -115.47 | 727.65 |
| 66 | 489.61 | 629.24 | -159.98 | 789.22 |
| 67 | 496.47 | 547.22 | -204.48 | 751.71 |
| 68 | 503.32 | 345.43 | -254.23 | 599.67 |
| 69 | 510.18 | 115.24 | -430.03 | 545.27 |
| 70 | 517.04 | 59.58 | -742.70 | 802.28 |
| 71 | 523.88 | 60.25 | -392.59 | 452.84 |
| 72 | 530.72 | 323.11 | -221.45 | 544.56 |
| 73 | 537.56 | 490.58 | -176.56 | 667.15 |
| 74 | 544.40 | 570.11 | -137.04 | 707.15 |
| 75 | 551.24 | 573.33 | -97.52 | 670.85 |
| 76 | 558.08 | 582.97 | -128.93 | 711.90 |
| 77 | 564.92 | 505.52 | -165.34 | 670.86 |
| 78 | 571.76 | 315.95 | -208.07 | 524.02 |
| 79 | 578.60 | 93.94 | -378.01 | 471.95 |
| 80 | 585.43 | 68.46 | -683.32 | 751.78 |
| 81 | 591.02 | 60.20 | -418.03 | 478.23 |
| 82 | 596.60 | 260.01 | -237.07 | 497.09 |
| 83 | 602.19 | 414.42 | -195.00 | 609.42 |
| 84 | 607.77 | 501.43 | -161.98 | 663.41 |
| 85 | 613.35 | 541.66 | -132.21 | 673.87 |
| 86 | 618.94 | 506.10 | -145.36 | 651.46 |
| 87 | 624.52 | 439.42 | -186.56 | 625.98 |
| 88 | 630.10 | 361.51 | -233.72 | 595.23 |
| 89 | 635.69 | 216.07 | -280.88 | 496.95 |
| 90 | 641.27 | 34.57 | -384.34 | 418.91 |
| 91 | 647.26 | 2.57 | -0.49 | 3.06 |

C237 (LC1) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 52.35 | 55.61 |
| 53 | 409.38 | 36.08 | 39.34 |
| 54 | 414.97 | 22.53 | 33.96 |
| 55 | 420.55 | 21.79 | 39.93 |
| 56 | 426.13 | -31.58 | 45.32 |
| 57 | 431.72 | -38.22 | 42.29 |
| 58 | 437.30 | -42.72 | 43.81 |
| 59 | 442.88 | -56.09 | 57.18 |
| 60 | 448.46L | -71.03 | 72.11 |
| 60 | 448.46R | 66.30 | 68.89 |
| 61 | 455.32 | 57.09 | 59.68 |
| 62 | 462.18 | 46.35 | 51.93 |
| 63 | 469.04 | 44.22 | 50.75 |
| 64 | 475.89 | 29.73 | 49.68 |
| 65 | 482.75 | -32.47 | 64.34 |
| 66 | 489.61 | -28.94 | 48.74 |
| 67 | 496.47 | -39.91 | 47.75 |
| 68 | 503.32 | -44.82 | 46.64 |
| 69 | 510.18 | -57.43 | 58.96 |
| 70 | 517.04L | -68.15 | 69.68 |
| 70 | 517.04R | 73.31 | 75.44 |
| 71 | 523.93 | 63.78 | 65.92 |
| 72 | 530.82 | 51.56 | 55.19 |
| 73 | 537.70 | 44.39 | 51.09 |
| 74 | 544.59 | 30.20 | 49.70 |
| 75 | 551.48 | -29.61 | 48.97 |
| 76 | 558.37 | -28.53 | 47.22 |
| 77 | 565.26 | -39.44 | 44.94 |
| 78 | 572.14 | -44.46 | 47.34 |
| 79 | 579.03 | -56.65 | 59.07 |
| 80 | 585.92L | -70.43 | 72.86 |
| 80 | 585.92R | 72.99 | 76.62 |
| 81 | 591.44 | 63.23 | 66.87 |
| 82 | 596.95 | 50.68 | 54.32 |
| 83 | 602.47 | 44.10 | 51.05 |
| 84 | 607.98 | 37.51 | 51.78 |
| 85 | 613.50 | 25.20 | 46.34 |
| 86 | 619.02 | -32.47 | 49.09 |
| 87 | 624.53 | -30.63 | 44.34 |
| 88 | 630.05 | -39.89 | 46.11 |
| 89 | 635.57 | -49.86 | 52.91 |
| 90 | 641.08L | -61.05 | 64.10 |
| 90 | 641.08R | 66.14 | 69.18 |
| 91 | 647.14 | 57.85 | 60.38 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 91.42 | -5.46 | 96.88 |
| 53 | 409.38 | 302.56 | -23.63 | 326.20 |
| 54 | 414.97 | 402.59 | -41.81 | 444.40 |
| 55 | 420.55 | 360.99 | -65.84 | 426.84 |
| 56 | 426.13 | 375.78 | -94.97 | 470.75 |
| 57 | 431.72 | 334.80 | -124.10 | 458.90 |
| 58 | 437.30 | 215.04 | -172.54 | 387.59 |
| 59 | 442.88 | 45.62 | -300.86 | 346.48 |

C237 (LC1) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 40.21 | -486.27 | 526.48 |
| 61 | 455.32 | 87.90 | -265.34 | 353.23 |
| 62 | 462.18 | 299.83 | -118.01 | 417.84 |
| 63 | 469.04 | 393.66 | -78.26 | 471.92 |
| 64 | 475.89 | 446.74 | -52.76 | 499.49 |
| 65 | 482.75 | 432.29 | -52.65 | 484.93 |
| 66 | 489.61 | 469.77 | -89.10 | 558.87 |
| 67 | 496.47 | 412.03 | -125.58 | 537.60 |
| 68 | 503.32 | 263.11 | -177.89 | 441.00 |
| 69 | 510.18 | 90.28 | -358.46 | 448.74 |
| 70 | 517.04 | 34.28 | -608.47 | 642.75 |
| 71 | 523.93 | 58.92 | -326.84 | 385.75 |
| 72 | 530.82 | 273.43 | -157.19 | 430.61 |
| 73 | 537.70 | 390.21 | -109.73 | 499.94 |
| 74 | 544.59 | 448.49 | -76.59 | 525.08 |
| 75 | 551.48 | 421.48 | -43.37 | 464.84 |
| 76 | 558.37 | 454.59 | -70.01 | 524.60 |
| 77 | 565.26 | 390.91 | -99.85 | 490.75 |
| 78 | 572.14 | 239.44 | -144.87 | 384.30 |
| 79 | 579.03 | 61.49 | -333.17 | 394.66 |
| 80 | 585.92 | 43.22 | -592.61 | 635.83 |
| 81 | 591.44 | 37.70 | -375.06 | 412.77 |
| 82 | 596.95 | 228.94 | -214.68 | 443.62 |
| 83 | 602.47 | 344.26 | -152.60 | 496.86 |
| 84 | 607.98 | 405.12 | -116.74 | 521.86 |
| 85 | 613.50 | 440.22 | -89.83 | 530.06 |
| 86 | 619.02 | 398.95 | -87.65 | 486.61 |
| 87 | 624.53 | 337.27 | -120.22 | 457.49 |
| 88 | 630.05 | 277.42 | -168.18 | 445.59 |
| 89 | 635.57 | 145.62 | -222.92 | 368.55 |
| 90 | 641.08 | 17.54 | -338.16 | 355.69 |
| 91 | 647.14 | 1.25 | -0.03 | 1.28 |

C237 (LC1) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 54.15 | 60.32 |
| 53 | 409.40 | 39.19 | 45.36 |
| 54 | 414.98 | 26.76 | 38.43 |
| 55 | 420.56 | -20.86 | 40.61 |
| 56 | 426.14 | -33.71 | 46.24 |
| 57 | 431.72 | -39.95 | 43.28 |
| 58 | 437.30 | -47.34 | 49.18 |
| 59 | 442.88 | -59.56 | 61.40 |
| 60 | 448.46L | -74.58 | 76.43 |
| 60 | 448.46R | 72.96 | 79.08 |
| 61 | 455.32 | 65.87 | 71.99 |
| 62 | 462.18 | 57.22 | 63.35 |
| 63 | 469.04 | 49.19 | 55.06 |
| 64 | 475.90 | 35.43 | 52.75 |
| 65 | 482.76 | 30.14 | 58.68 |
| 66 | 489.62 | -34.67 | 51.89 |
| 67 | 496.48 | -45.11 | 50.30 |
| 68 | 503.34 | -54.61 | 57.88 |
| 69 | 510.20 | -65.44 | 68.70 |
| 70 | 517.06L | -76.47 | 79.74 |
| 70 | 517.06R | 81.27 | 85.92 |
| 71 | 523.99 | 74.45 | 79.10 |
| 72 | 530.93 | 57.52 | 62.17 |
| 73 | 537.87 | 45.23 | 50.25 |
| 74 | 544.81 | 33.54 | 49.54 |
| 75 | 551.75 | 26.11 | 48.21 |
| 76 | 558.68 | -34.24 | 50.47 |
| 77 | 565.62 | -44.73 | 49.72 |
| 78 | 572.56 | -55.31 | 60.53 |
| 79 | 579.50 | -65.81 | 71.03 |
| 80 | 586.44L | -78.51 | 83.73 |
| 80 | 586.44R | 79.38 | 86.39 |
| 81 | 591.88 | 72.34 | 79.35 |
| 82 | 597.33 | 59.79 | 66.81 |
| 83 | 602.78 | 53.29 | 60.30 |
| 84 | 608.23 | 41.16 | 57.20 |
| 85 | 613.67 | 29.20 | 51.86 |
| 86 | 619.12 | -32.39 | 52.07 |
| 87 | 624.57 | -37.10 | 49.09 |
| 88 | 630.02 | -45.61 | 51.91 |
| 89 | 635.46 | -55.37 | 61.67 |
| 90 | 640.91L | -67.01 | 73.31 |
| 90 | 640.91R | 75.98 | 82.29 |
| 91 | 647.03 | 65.01 | 70.52 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.77 | -10.44 | 107.21 |
| 53 | 409.40 | 328.38 | -44.91 | 373.29 |
| 54 | 414.98 | 455.45 | -79.38 | 534.83 |
| 55 | 420.56 | 427.06 | -115.90 | 542.95 |
| 56 | 426.14 | 439.20 | -154.13 | 593.33 |
| 57 | 431.72 | 397.08 | -192.36 | 589.44 |
| 58 | 437.30 | 263.76 | -241.17 | 504.94 |
| 59 | 442.88 | 72.29 | -386.53 | 458.82 |

C237 (LC1) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 78.99 | -599.66 | 678.65 |
| 61 | 455.32 | 97.26 | -304.80 | 402.06 |
| 62 | 462.18 | 355.72 | -146.60 | 502.32 |
| 63 | 469.04 | 499.52 | -116.31 | 615.83 |
| 64 | 475.90 | 569.81 | -90.53 | 660.34 |
| 65 | 482.76 | 614.72 | -126.20 | 740.92 |
| 66 | 489.62 | 633.27 | -175.26 | 808.54 |
| 67 | 496.48 | 552.48 | -224.33 | 776.81 |
| 68 | 503.34 | 351.27 | -279.30 | 630.57 |
| 69 | 510.20 | 121.52 | -458.39 | 579.91 |
| 70 | 517.06 | 62.45 | -774.58 | 837.03 |
| 71 | 523.99 | 52.65 | -402.97 | 455.61 |
| 72 | 530.93 | 335.83 | -220.34 | 556.16 |
| 73 | 537.87 | 513.23 | -177.23 | 690.46 |
| 74 | 544.81 | 596.09 | -137.25 | 733.35 |
| 75 | 551.75 | 601.61 | -97.27 | 698.89 |
| 76 | 558.68 | 602.27 | -125.67 | 727.93 |
| 77 | 565.62 | 513.82 | -160.50 | 674.31 |
| 78 | 572.56 | 304.75 | -199.86 | 504.61 |
| 79 | 579.50 | 60.77 | -412.25 | 473.02 |
| 80 | 586.44 | 80.90 | -753.49 | 834.39 |
| 81 | 591.88 | 71.99 | -485.21 | 557.20 |
| 82 | 597.33 | 269.64 | -298.45 | 568.08 |
| 83 | 602.78 | 427.66 | -250.87 | 678.53 |
| 84 | 608.23 | 507.19 | -209.50 | 716.69 |
| 85 | 613.67 | 544.53 | -172.25 | 716.78 |
| 86 | 619.12 | 502.45 | -156.28 | 658.73 |
| 87 | 624.57 | 439.15 | -195.54 | 634.69 |
| 88 | 630.02 | 344.35 | -240.49 | 584.84 |
| 89 | 635.46 | 194.76 | -285.44 | 480.20 |
| 90 | 640.91 | 37.51 | -404.53 | 442.05 |
| 91 | 647.03 | 5.49 | -0.48 | 5.97 |

C237 (LC2) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.79 | 54.20 | 60.47 |
| 53 | 409.37 | 38.88 | 45.15 |
| 54 | 414.96 | 32.36 | 45.05 |
| 55 | 420.54 | 24.12 | 45.41 |
| 56 | 426.13 | -33.69 | 48.21 |
| 57 | 431.71 | -39.71 | 45.75 |
| 58 | 437.30 | -46.59 | 48.27 |
| 59 | 442.88 | -58.72 | 60.41 |
| 60 | 448.46L | -68.95 | 70.63 |
| 60 | 448.46R | 74.86 | 80.47 |
| 61 | 455.32 | 68.47 | 74.07 |
| 62 | 462.18 | 56.33 | 61.93 |
| 63 | 469.04 | 48.54 | 53.91 |
| 64 | 475.89 | 35.09 | 53.75 |
| 65 | 482.75 | 29.63 | 53.94 |
| 66 | 489.61 | -34.61 | 52.85 |
| 67 | 496.47 | -44.45 | 50.82 |
| 68 | 503.32 | -53.40 | 56.59 |
| 69 | 510.18 | -64.04 | 67.23 |
| 70 | 517.04L | -74.75 | 77.95 |
| 70 | 517.04R | 78.32 | 83.01 |
| 71 | 523.88 | 71.20 | 75.88 |
| 72 | 530.72 | 55.59 | 60.27 |
| 73 | 537.56 | 44.43 | 49.84 |
| 74 | 544.40 | 33.15 | 51.00 |
| 75 | 551.24 | -33.61 | 61.60 |
| 76 | 558.08 | -33.61 | 51.19 |
| 77 | 564.92 | -43.40 | 50.19 |
| 78 | 571.76 | -52.09 | 57.02 |
| 79 | 578.60 | -62.12 | 67.05 |
| 80 | 585.43L | -75.48 | 80.41 |
| 80 | 585.43R | 77.21 | 83.67 |
| 81 | 591.02 | 68.91 | 75.37 |
| 82 | 596.60 | 56.66 | 63.12 |
| 83 | 602.19 | 50.66 | 57.12 |
| 84 | 607.77 | 39.66 | 55.80 |
| 85 | 613.35 | 26.06 | 47.76 |
| 86 | 618.94 | -30.25 | 48.83 |
| 87 | 624.52 | -33.46 | 46.03 |
| 88 | 630.10 | -42.41 | 48.64 |
| 89 | 635.69 | -51.29 | 55.86 |
| 90 | 641.27L | -62.68 | 67.25 |
| 90 | 641.27R | 71.43 | 77.41 |
| 91 | 647.26 | 65.63 | 71.61 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.79 | 96.95 | -10.52 | 107.47 |
| 53 | 409.37 | 325.79 | -45.81 | 371.61 |
| 54 | 414.96 | 461.69 | -81.10 | 542.79 |
| 55 | 420.54 | 432.62 | -118.39 | 551.01 |
| 56 | 426.13 | 439.30 | -157.44 | 596.73 |
| 57 | 431.71 | 397.15 | -196.48 | 593.63 |
| 58 | 437.30 | 263.35 | -257.77 | 521.12 |

C237 (LC2) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 79.71 | -383.13 | 462.84 |
| 60 | 448.46 | 72.65 | -580.85 | 653.50 |
| 61 | 455.32 | 99.00 | -300.35 | 399.35 |
| 62 | 462.18 | 356.78 | -141.76 | 498.54 |
| 63 | 469.04 | 503.29 | -112.37 | 615.66 |
| 64 | 475.89 | 580.18 | -87.34 | 667.52 |
| 65 | 482.75 | 620.93 | -116.37 | 737.30 |
| 66 | 489.61 | 633.27 | -161.20 | 794.47 |
| 67 | 496.47 | 548.90 | -206.03 | 754.93 |
| 68 | 503.32 | 344.91 | -256.13 | 601.04 |
| 69 | 510.18 | 115.69 | -430.82 | 546.51 |
| 70 | 517.04 | 60.65 | -729.59 | 790.24 |
| 71 | 523.88 | 61.83 | -391.73 | 453.56 |
| 72 | 530.72 | 323.27 | -223.34 | 546.61 |
| 73 | 537.56 | 492.06 | -178.10 | 670.16 |
| 74 | 544.40 | 576.42 | -138.24 | 714.66 |
| 75 | 551.24 | 588.02 | -98.39 | 686.41 |
| 76 | 558.08 | 585.38 | -131.24 | 716.62 |
| 77 | 564.92 | 505.81 | -168.26 | 674.07 |
| 78 | 571.76 | 316.46 | -211.67 | 528.13 |
| 79 | 578.60 | 99.49 | -378.12 | 477.61 |
| 80 | 585.43 | 69.06 | -667.21 | 736.26 |
| 81 | 591.02 | 60.73 | -416.50 | 477.23 |
| 82 | 596.60 | 260.43 | -246.78 | 507.20 |
| 83 | 602.19 | 418.15 | -195.46 | 613.61 |
| 84 | 607.77 | 507.18 | -162.36 | 669.54 |
| 85 | 613.35 | 550.16 | -132.53 | 682.69 |
| 86 | 618.94 | 515.90 | -145.31 | 661.21 |
| 87 | 624.52 | 446.33 | -186.48 | 632.81 |
| 88 | 630.10 | 360.76 | -233.58 | 594.35 |
| 89 | 635.69 | 216.18 | -280.69 | 496.87 |
| 90 | 641.27 | 34.91 | -379.53 | 414.44 |
| 91 | 647.26 | 2.56 | -0.49 | 3.05 |

C237 (LC2) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 52.33 | 55.59 |
| 53 | 409.38 | 35.44 | 39.21 |
| 54 | 414.97 | 27.92 | 39.94 |
| 55 | 420.55 | 26.23 | 44.71 |
| 56 | 426.13 | -31.54 | 47.44 |
| 57 | 431.72 | -37.99 | 44.92 |
| 58 | 437.30 | -41.87 | 43.66 |
| 59 | 442.88 | -55.24 | 56.32 |
| 60 | 448.46L | -64.99 | 66.07 |
| 60 | 448.46R | 67.26 | 69.86 |
| 61 | 455.32 | 58.98 | 61.58 |
| 62 | 462.18 | 45.27 | 48.08 |
| 63 | 469.04 | 43.63 | 48.70 |
| 64 | 475.89 | 29.46 | 50.73 |
| 65 | 482.75 | -33.69 | 66.41 |
| 66 | 489.61 | -29.25 | 49.67 |
| 67 | 496.47 | -39.76 | 48.27 |
| 68 | 503.32 | -44.13 | 46.55 |
| 69 | 510.18 | -56.54 | 58.02 |
| 70 | 517.04L | -67.92 | 69.40 |
| 70 | 517.04R | 72.36 | 74.55 |
| 71 | 523.93 | 62.95 | 65.14 |
| 72 | 530.82 | 45.70 | 49.94 |
| 73 | 537.70 | 39.25 | 46.41 |
| 74 | 544.59 | 30.23 | 50.55 |
| 75 | 551.48 | -30.05 | 49.98 |
| 76 | 558.37 | -28.70 | 48.12 |
| 77 | 565.26 | -39.25 | 45.03 |
| 78 | 572.14 | -43.70 | 46.87 |
| 79 | 579.03 | -55.51 | 57.95 |
| 80 | 585.92L | -69.61 | 72.04 |
| 80 | 585.92R | 71.85 | 75.45 |
| 81 | 591.44 | 63.14 | 66.74 |
| 82 | 596.95 | 50.38 | 53.98 |
| 83 | 602.47 | 44.32 | 52.70 |
| 84 | 607.98 | 38.15 | 53.18 |
| 85 | 613.50 | 25.49 | 46.85 |
| 86 | 619.02 | -31.93 | 49.02 |
| 87 | 624.53 | -29.61 | 44.19 |
| 88 | 630.05 | -39.06 | 46.27 |
| 89 | 635.57 | -49.24 | 52.27 |
| 90 | 641.08L | -61.17 | 64.21 |
| 90 | 641.08R | 64.34 | 67.36 |
| 91 | 647.14 | 56.95 | 59.47 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 93.15 | -5.49 | 98.64 |
| 53 | 409.38 | 301.39 | -23.75 | 325.14 |
| 54 | 414.97 | 407.52 | -42.02 | 449.54 |
| 55 | 420.55 | 365.65 | -66.16 | 431.81 |
| 56 | 426.13 | 375.58 | -95.42 | 471.00 |
| 57 | 431.72 | 334.80 | -124.68 | 459.48 |
| 58 | 437.30 | 214.68 | -185.30 | 399.97 |
| 59 | 442.88 | 53.84 | -297.06 | 350.89 |

C237 (LC2) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 40.47 | -468.96 | 509.44 |
| 61 | 455.32 | 91.12 | -261.45 | 352.57 |
| 62 | 462.18 | 295.51 | -114.49 | 410.00 |
| 63 | 469.04 | 393.70 | -75.86 | 469.56 |
| 64 | 475.89 | 449.19 | -51.09 | 500.28 |
| 65 | 482.75 | 436.35 | -53.04 | 489.39 |
| 66 | 489.61 | 471.53 | -89.68 | 561.21 |
| 67 | 496.47 | 412.37 | -126.35 | 538.72 |
| 68 | 503.32 | 262.47 | -178.90 | 441.37 |
| 69 | 510.18 | 90.58 | -357.05 | 447.63 |
| 70 | 517.04 | 34.85 | -593.62 | 628.47 |
| 71 | 523.93 | 60.13 | -325.55 | 385.68 |
| 72 | 530.82 | 273.67 | -158.27 | 431.94 |
| 73 | 537.70 | 390.50 | -110.55 | 501.05 |
| 74 | 544.59 | 450.99 | -77.21 | 528.19 |
| 75 | 551.48 | 427.96 | -43.78 | 471.73 |
| 76 | 558.37 | 456.17 | -71.21 | 527.38 |
| 77 | 565.26 | 390.69 | -101.42 | 492.11 |
| 78 | 572.14 | 236.73 | -149.56 | 386.29 |
| 79 | 579.03 | 59.88 | -329.44 | 389.32 |
| 80 | 585.92 | 43.55 | -572.86 | 616.42 |
| 81 | 591.44 | 38.00 | -368.83 | 406.83 |
| 82 | 596.95 | 228.95 | -225.23 | 454.18 |
| 83 | 602.47 | 345.36 | -152.90 | 498.26 |
| 84 | 607.98 | 408.04 | -116.97 | 525.01 |
| 85 | 613.50 | 444.55 | -90.01 | 534.55 |
| 86 | 619.02 | 404.38 | -87.00 | 491.38 |
| 87 | 624.53 | 340.93 | -119.42 | 460.35 |
| 88 | 630.05 | 277.84 | -167.30 | 445.14 |
| 89 | 635.57 | 144.91 | -229.20 | 374.11 |
| 90 | 641.08 | 17.65 | -328.40 | 346.05 |
| 91 | 647.14 | 1.25 | -0.03 | 1.28 |

C237 (LC2) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 54.17 | 60.34 |
| 53 | 409.40 | 38.82 | 44.99 |
| 54 | 414.98 | 32.27 | 45.02 |
| 55 | 420.56 | 24.11 | 45.49 |
| 56 | 426.14 | -33.78 | 48.29 |
| 57 | 431.72 | -39.76 | 45.78 |
| 58 | 437.30 | -46.67 | 48.50 |
| 59 | 442.88 | -58.81 | 60.65 |
| 60 | 448.46L | -69.01 | 70.85 |
| 60 | 448.46R | 74.90 | 81.01 |
| 61 | 455.32 | 68.58 | 74.70 |
| 62 | 462.18 | 56.40 | 62.52 |
| 63 | 469.04 | 48.64 | 54.50 |
| 64 | 475.90 | 35.19 | 54.07 |
| 65 | 482.76 | 30.50 | 60.48 |
| 66 | 489.62 | -35.14 | 53.47 |
| 67 | 496.48 | -45.02 | 51.32 |
| 68 | 503.34 | -54.13 | 57.30 |
| 69 | 510.20 | -64.70 | 67.87 |
| 70 | 517.06L | -76.21 | 79.37 |
| 70 | 517.06R | 80.30 | 85.05 |
| 71 | 523.99 | 73.59 | 78.34 |
| 72 | 530.93 | 57.98 | 62.73 |
| 73 | 537.87 | 46.01 | 51.58 |
| 74 | 544.81 | 34.64 | 52.04 |
| 75 | 551.75 | 27.90 | 51.12 |
| 76 | 558.68 | -34.53 | 52.14 |
| 77 | 565.62 | -44.58 | 49.95 |
| 78 | 572.56 | -54.73 | 59.98 |
| 79 | 579.50 | -65.04 | 70.29 |
| 80 | 586.44L | -77.85 | 83.10 |
| 80 | 586.44R | 78.13 | 85.18 |
| 81 | 591.88 | 72.30 | 79.35 |
| 82 | 597.33 | 60.12 | 67.18 |
| 83 | 602.78 | 48.96 | 56.72 |
| 84 | 608.23 | 41.48 | 58.45 |
| 85 | 613.67 | 29.58 | 52.42 |
| 86 | 619.12 | -31.63 | 51.92 |
| 87 | 624.57 | -36.19 | 49.69 |
| 88 | 630.02 | -44.79 | 51.06 |
| 89 | 635.46 | -54.69 | 60.96 |
| 90 | 640.91L | -67.02 | 73.29 |
| 90 | 640.91R | 75.79 | 82.07 |
| 91 | 647.03 | 65.67 | 71.15 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 98.30 | -10.50 | 108.80 |
| 53 | 409.40 | 326.56 | -45.16 | 371.72 |
| 54 | 414.98 | 461.67 | -79.83 | 541.50 |
| 55 | 420.56 | 432.73 | -116.54 | 549.27 |
| 56 | 426.14 | 439.37 | -154.98 | 594.35 |
| 57 | 431.72 | 397.47 | -193.42 | 590.89 |
| 58 | 437.30 | 263.61 | -258.86 | 522.47 |
| 59 | 442.88 | 79.93 | -384.40 | 464.33 |

C237 (LC2) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 79.62 | -582.58 | 662.20 |
| 61 | 455.32 | 101.64 | -301.03 | 402.67 |
| 62 | 462.18 | 351.79 | -141.96 | 493.75 |
| 63 | 469.04 | 500.44 | -112.60 | 613.04 |
| 64 | 475.90 | 581.19 | -87.63 | 668.82 |
| 65 | 482.76 | 623.36 | -127.21 | 750.57 |
| 66 | 489.62 | 637.35 | -176.64 | 813.99 |
| 67 | 496.48 | 554.19 | -226.08 | 780.27 |
| 68 | 503.34 | 350.75 | -281.45 | 632.20 |
| 69 | 510.20 | 121.80 | -460.67 | 582.47 |
| 70 | 517.06 | 63.66 | -761.35 | 825.01 |
| 71 | 523.99 | 54.75 | -402.11 | 456.86 |
| 72 | 530.93 | 337.06 | -222.23 | 559.29 |
| 73 | 537.87 | 514.75 | -178.78 | 693.53 |
| 74 | 544.81 | 602.35 | -138.46 | 740.82 |
| 75 | 551.75 | 615.58 | -98.15 | 713.73 |
| 76 | 558.68 | 604.38 | -128.12 | 732.50 |
| 77 | 565.62 | 513.84 | -163.60 | 677.44 |
| 78 | 572.56 | 302.48 | -203.65 | 506.13 |
| 79 | 579.50 | 61.19 | -408.35 | 469.54 |
| 80 | 586.44 | 81.60 | -733.81 | 815.42 |
| 81 | 591.88 | 72.62 | -482.84 | 555.46 |
| 82 | 597.33 | 271.53 | -314.29 | 585.82 |
| 83 | 602.78 | 431.10 | -251.12 | 682.22 |
| 84 | 608.23 | 513.60 | -209.70 | 723.30 |
| 85 | 613.67 | 553.91 | -172.42 | 726.33 |
| 86 | 619.12 | 513.30 | -157.56 | 670.86 |
| 87 | 624.57 | 447.99 | -197.14 | 645.14 |
| 88 | 630.02 | 348.52 | -242.46 | 590.98 |
| 89 | 635.46 | 195.88 | -293.53 | 489.41 |
| 90 | 640.91 | 37.77 | -401.09 | 438.86 |
| 91 | 647.03 | 5.49 | -0.48 | 5.97 |

C237 (LC3) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.79 | 54.21 | 60.49 |
| 53 | 409.37 | 38.90 | 45.52 |
| 54 | 414.96 | 26.40 | 39.75 |
| 55 | 420.54 | 22.92 | 44.35 |
| 56 | 426.13 | -33.62 | 46.22 |
| 57 | 431.71 | -39.33 | 42.87 |
| 58 | 437.30 | -45.88 | 47.57 |
| 59 | 442.88 | -57.91 | 59.60 |
| 60 | 448.46L | -69.04 | 70.73 |
| 60 | 448.46R | 72.35 | 77.98 |
| 61 | 455.32 | 64.79 | 70.42 |
| 62 | 462.18 | 55.48 | 61.11 |
| 63 | 469.04 | 47.97 | 53.79 |
| 64 | 475.89 | 34.67 | 54.76 |
| 65 | 482.75 | 29.65 | 54.84 |
| 66 | 489.61 | -34.63 | 53.54 |
| 67 | 496.47 | -44.26 | 51.56 |
| 68 | 503.32 | -52.75 | 55.99 |
| 69 | 510.18 | -63.31 | 66.56 |
| 70 | 517.04L | -77.17 | 80.41 |
| 70 | 517.04R | 78.02 | 82.80 |
| 71 | 523.88 | 70.21 | 74.99 |
| 72 | 530.72 | 55.81 | 60.59 |
| 73 | 537.56 | 45.14 | 50.40 |
| 74 | 544.40 | 34.03 | 53.16 |
| 75 | 551.24 | -33.50 | 62.03 |
| 76 | 558.08 | -33.50 | 51.96 |
| 77 | 564.92 | -43.14 | 50.35 |
| 78 | 571.76 | -51.38 | 56.35 |
| 79 | 578.60 | -61.05 | 66.02 |
| 80 | 585.43L | -74.81 | 79.78 |
| 80 | 585.43R | 76.11 | 82.54 |
| 81 | 591.02 | 68.85 | 75.28 |
| 82 | 596.60 | 56.90 | 63.33 |
| 83 | 602.19 | 45.25 | 53.68 |
| 84 | 607.77 | 40.55 | 57.10 |
| 85 | 613.35 | 26.17 | 47.36 |
| 86 | 618.94 | -29.50 | 48.46 |
| 87 | 624.52 | -32.57 | 46.02 |
| 88 | 630.10 | -41.67 | 49.16 |
| 89 | 635.69 | -50.64 | 55.20 |
| 90 | 641.27L | -62.65 | 67.21 |
| 90 | 641.27R | 71.30 | 77.30 |
| 91 | 647.26 | 64.70 | 70.70 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.48 | -10.64 | 106.12 |
| 53 | 409.37 | 327.67 | -46.33 | 373.99 |
| 54 | 414.96 | 456.14 | -82.01 | 538.15 |
| 55 | 420.54 | 427.80 | -119.70 | 547.51 |
| 56 | 426.13 | 439.31 | -159.17 | 598.49 |
| 57 | 431.71 | 397.38 | -198.64 | 596.02 |
| 58 | 437.30 | 264.28 | -272.27 | 536.55 |
| 59 | 442.88 | 74.24 | -381.00 | 455.23 |

C237 (LC3) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 73.51 | -562.25 | 635.75 |
| 61 | 455.32 | 100.56 | -295.98 | 396.54 |
| 62 | 462.18 | 353.35 | -144.05 | 497.40 |
| 63 | 469.04 | 505.28 | -114.14 | 619.42 |
| 64 | 475.89 | 589.13 | -88.69 | 677.82 |
| 65 | 482.75 | 629.65 | -117.78 | 747.43 |
| 66 | 489.61 | 637.88 | -163.11 | 800.99 |
| 67 | 496.47 | 551.01 | -208.44 | 759.45 |
| 68 | 503.32 | 345.79 | -259.07 | 604.86 |
| 69 | 510.18 | 114.73 | -432.21 | 546.94 |
| 70 | 517.04 | 61.68 | -707.61 | 769.29 |
| 71 | 523.88 | 62.24 | -391.02 | 453.26 |
| 72 | 530.72 | 325.11 | -225.72 | 550.83 |
| 73 | 537.56 | 494.38 | -180.02 | 674.41 |
| 74 | 544.40 | 584.88 | -139.75 | 724.63 |
| 75 | 551.24 | 600.46 | -99.48 | 699.94 |
| 76 | 558.08 | 589.65 | -133.47 | 723.12 |
| 77 | 564.92 | 506.95 | -171.09 | 678.04 |
| 78 | 571.76 | 314.21 | -215.15 | 529.36 |
| 79 | 578.60 | 96.80 | -374.47 | 471.27 |
| 80 | 585.43 | 69.81 | -645.86 | 715.67 |
| 81 | 591.02 | 61.39 | -413.50 | 474.90 |
| 82 | 596.60 | 260.83 | -261.10 | 521.94 |
| 83 | 602.19 | 421.46 | -197.04 | 618.49 |
| 84 | 607.77 | 512.59 | -163.68 | 676.27 |
| 85 | 613.35 | 558.15 | -133.61 | 691.76 |
| 86 | 618.94 | 524.65 | -144.94 | 669.59 |
| 87 | 624.52 | 454.00 | -185.97 | 639.96 |
| 88 | 630.10 | 367.68 | -232.90 | 600.58 |
| 89 | 635.69 | 217.30 | -285.69 | 502.99 |
| 90 | 641.27 | 35.36 | -376.82 | 412.18 |
| 91 | 647.26 | 2.53 | -0.50 | 3.03 |

C237 (LC3) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 52.31 | 55.57 |
| 53 | 409.38 | 35.18 | 39.84 |
| 54 | 414.97 | 22.10 | 34.45 |
| 55 | 420.55 | 26.33 | 44.82 |
| 56 | 426.13 | -31.39 | 45.14 |
| 57 | 431.72 | -37.66 | 41.77 |
| 58 | 437.30 | -41.03 | 42.69 |
| 59 | 442.88 | -54.36 | 55.45 |
| 60 | 448.46L | -65.13 | 66.21 |
| 60 | 448.46R | 65.69 | 68.31 |
| 61 | 455.32 | 55.69 | 58.31 |
| 62 | 462.18 | 44.17 | 50.21 |
| 63 | 469.04 | 43.03 | 49.87 |
| 64 | 475.89 | 29.01 | 50.57 |
| 65 | 482.75 | -34.42 | 67.50 |
| 66 | 489.61 | -29.22 | 50.01 |
| 67 | 496.47 | -39.54 | 48.82 |
| 68 | 503.32 | -43.27 | 46.24 |
| 69 | 510.18 | -55.80 | 57.31 |
| 70 | 517.04L | -67.78 | 69.28 |
| 70 | 517.04R | 71.94 | 74.17 |
| 71 | 523.93 | 61.93 | 64.16 |
| 72 | 530.82 | 45.70 | 50.50 |
| 73 | 537.70 | 39.93 | 46.22 |
| 74 | 544.59 | 30.19 | 51.31 |
| 75 | 551.48 | -30.31 | 50.53 |
| 76 | 558.37 | -28.58 | 48.53 |
| 77 | 565.26 | -39.01 | 45.40 |
| 78 | 572.14 | -42.83 | 46.06 |
| 79 | 579.03 | -54.26 | 56.71 |
| 80 | 585.92L | -68.89 | 71.35 |
| 80 | 585.92R | 70.83 | 74.47 |
| 81 | 591.44 | 63.00 | 66.64 |
| 82 | 596.95 | 50.51 | 54.14 |
| 83 | 602.47 | 39.65 | 49.16 |
| 84 | 607.98 | 39.02 | 54.32 |
| 85 | 613.50 | 25.47 | 46.33 |
| 86 | 619.02 | -31.37 | 49.21 |
| 87 | 624.53 | -28.68 | 43.80 |
| 88 | 630.05 | -38.36 | 46.49 |
| 89 | 635.57 | -48.67 | 51.70 |
| 90 | 641.08L | -61.37 | 64.40 |
| 90 | 641.08R | 62.84 | 65.86 |
| 91 | 647.14 | 56.76 | 59.29 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 91.35 | -5.54 | 96.89 |
| 53 | 409.38 | 301.95 | -23.99 | 325.95 |
| 54 | 414.97 | 402.62 | -42.44 | 445.06 |
| 55 | 420.55 | 360.09 | -66.79 | 426.89 |
| 56 | 426.13 | 375.29 | -96.28 | 471.57 |
| 57 | 431.72 | 334.71 | -125.77 | 460.48 |
| 58 | 437.30 | 214.62 | -194.32 | 408.94 |
| 59 | 442.88 | 46.25 | -292.10 | 338.34 |

C237 (LC3) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 40.89 | -450.43 | 491.32 |
| 61 | 455.32 | 91.98 | -256.90 | 348.88 |
| 62 | 462.18 | 291.30 | -116.83 | 408.13 |
| 63 | 469.04 | 394.16 | -77.31 | 471.46 |
| 64 | 475.89 | 451.78 | -52.00 | 503.79 |
| 65 | 482.75 | 440.07 | -53.69 | 493.76 |
| 66 | 489.61 | 473.71 | -90.61 | 564.32 |
| 67 | 496.47 | 412.87 | -127.55 | 540.43 |
| 68 | 503.32 | 261.60 | -182.89 | 444.49 |
| 69 | 510.18 | 89.61 | -355.33 | 444.94 |
| 70 | 517.04 | 35.40 | -572.28 | 607.68 |
| 71 | 523.93 | 60.71 | -322.63 | 383.34 |
| 72 | 530.82 | 275.77 | -159.60 | 435.37 |
| 73 | 537.70 | 391.11 | -111.58 | 502.69 |
| 74 | 544.59 | 454.47 | -77.98 | 532.45 |
| 75 | 551.48 | 433.70 | -44.29 | 478.00 |
| 76 | 558.37 | 457.92 | -72.37 | 530.29 |
| 77 | 565.26 | 390.73 | -102.93 | 493.66 |
| 78 | 572.14 | 233.74 | -157.32 | 391.06 |
| 79 | 579.03 | 56.20 | -322.33 | 378.53 |
| 80 | 585.92 | 43.97 | -553.24 | 597.21 |
| 81 | 591.44 | 38.37 | -361.76 | 400.13 |
| 82 | 596.95 | 229.08 | -233.91 | 462.99 |
| 83 | 602.47 | 346.34 | -153.90 | 500.24 |
| 84 | 607.98 | 410.76 | -117.77 | 528.53 |
| 85 | 613.50 | 448.48 | -90.65 | 539.13 |
| 86 | 619.02 | 409.13 | -87.95 | 497.08 |
| 87 | 624.53 | 344.99 | -120.72 | 465.71 |
| 88 | 630.05 | 275.05 | -169.04 | 444.09 |
| 89 | 635.57 | 144.53 | -234.38 | 378.91 |
| 90 | 641.08 | 17.83 | -317.22 | 335.05 |
| 91 | 647.14 | 1.25 | -0.03 | 1.28 |

C237 (LC3) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.82 | 54.18 | 60.36 |
| 53 | 409.40 | 38.84 | 45.50 |
| 54 | 414.98 | 26.33 | 39.74 |
| 55 | 420.56 | 22.74 | 44.27 |
| 56 | 426.14 | -33.71 | 46.34 |
| 57 | 431.72 | -39.38 | 42.92 |
| 58 | 437.30 | -45.96 | 47.81 |
| 59 | 442.88 | -58.00 | 59.84 |
| 60 | 448.46L | -69.10 | 70.94 |
| 60 | 448.46R | 72.45 | 78.60 |
| 61 | 455.32 | 64.90 | 71.05 |
| 62 | 462.18 | 55.55 | 61.71 |
| 63 | 469.04 | 48.06 | 53.96 |
| 64 | 475.90 | 34.77 | 55.14 |
| 65 | 482.76 | -30.95 | 61.53 |
| 66 | 489.62 | -35.21 | 54.21 |
| 67 | 496.48 | -44.85 | 52.06 |
| 68 | 503.34 | -53.49 | 56.70 |
| 69 | 510.20 | -63.92 | 67.13 |
| 70 | 517.06L | -75.91 | 79.12 |
| 70 | 517.06R | 80.07 | 84.92 |
| 71 | 523.99 | 72.64 | 77.49 |
| 72 | 530.93 | 58.25 | 63.10 |
| 73 | 537.87 | 46.76 | 52.89 |
| 74 | 544.81 | 35.51 | 54.23 |
| 75 | 551.75 | 29.29 | 53.20 |
| 76 | 558.68 | -34.45 | 53.07 |
| 77 | 565.62 | -44.32 | 50.02 |
| 78 | 572.56 | -54.04 | 59.33 |
| 79 | 579.50 | -64.79 | 70.08 |
| 80 | 586.44L | -77.25 | 82.54 |
| 80 | 586.44R | 76.98 | 84.10 |
| 81 | 591.88 | 71.85 | 78.97 |
| 82 | 597.33 | 60.44 | 67.56 |
| 83 | 602.78 | 48.43 | 58.02 |
| 84 | 608.23 | 42.48 | 59.80 |
| 85 | 613.67 | 29.70 | 51.84 |
| 86 | 619.12 | -30.84 | 51.53 |
| 87 | 624.57 | -35.32 | 49.82 |
| 88 | 630.02 | -44.07 | 51.85 |
| 89 | 635.46 | -54.04 | 60.30 |
| 90 | 640.91L | -61.78 | 68.04 |
| 90 | 640.91R | 74.69 | 80.99 |
| 91 | 647.03 | 66.35 | 71.84 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.79 | -10.62 | 107.41 |
| 53 | 409.40 | 328.33 | -45.69 | 374.01 |
| 54 | 414.98 | 456.39 | -80.75 | 537.14 |
| 55 | 420.56 | 427.82 | -117.88 | 545.70 |
| 56 | 426.14 | 439.39 | -156.75 | 596.13 |
| 57 | 431.72 | 397.71 | -195.61 | 593.32 |
| 58 | 437.30 | 264.32 | -273.45 | 537.77 |

C237 (LC3) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 74.26 | -382.29 | 456.54 |
| 60 | 448.46 | 80.55 | -563.96 | 644.51 |
| 61 | 455.32 | 103.22 | -296.74 | 399.96 |
| 62 | 462.18 | 350.63 | -144.15 | 494.78 |
| 63 | 469.04 | 502.46 | -114.30 | 616.76 |
| 64 | 475.90 | 590.71 | -88.93 | 679.64 |
| 65 | 482.76 | 632.27 | -128.74 | 761.01 |
| 66 | 489.62 | 641.99 | -178.71 | 820.71 |
| 67 | 496.48 | 556.35 | -228.70 | 785.05 |
| 68 | 503.34 | 351.94 | -284.66 | 636.60 |
| 69 | 510.20 | 120.74 | -459.60 | 580.34 |
| 70 | 517.06 | 64.83 | -741.64 | 806.46 |
| 71 | 523.99 | 55.93 | -401.60 | 457.52 |
| 72 | 530.93 | 339.44 | -224.59 | 564.04 |
| 73 | 537.87 | 517.08 | -180.72 | 697.80 |
| 74 | 544.81 | 610.84 | -139.98 | 750.82 |
| 75 | 551.75 | 628.60 | -99.24 | 727.85 |
| 76 | 558.68 | 608.12 | -130.48 | 738.60 |
| 77 | 565.62 | 514.70 | -166.57 | 681.27 |
| 78 | 572.56 | 302.01 | -207.27 | 509.29 |
| 79 | 579.50 | 64.99 | -400.02 | 465.01 |
| 80 | 586.44 | 82.49 | -712.89 | 795.38 |
| 81 | 591.88 | 73.40 | -479.09 | 552.50 |
| 82 | 597.33 | 273.39 | -330.35 | 603.73 |
| 83 | 602.78 | 434.18 | -252.91 | 687.09 |
| 84 | 608.23 | 519.56 | -211.21 | 730.77 |
| 85 | 613.67 | 562.63 | -173.66 | 736.29 |
| 86 | 619.12 | 523.09 | -159.52 | 682.61 |
| 87 | 624.57 | 457.85 | -199.58 | 657.42 |
| 88 | 630.02 | 352.67 | -245.43 | 598.11 |
| 89 | 635.46 | 198.26 | -308.70 | 506.97 |
| 90 | 640.91 | 38.21 | -398.05 | 436.27 |
| 91 | 647.03 | 5.48 | -0.49 | 5.97 |

C237 (LC4) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.79 | 60.23 | 66.57 |
| 53 | 409.37 | 45.88 | 53.55 |
| 54 | 414.96 | 31.80 | 45.62 |
| 55 | 420.54 | 23.74 | 45.23 |
| 56 | 426.13 | -33.40 | 47.54 |
| 57 | 431.71 | -38.78 | 44.53 |
| 58 | 437.30 | -45.14 | 46.84 |
| 59 | 442.88 | -57.10 | 58.80 |
| 60 | 448.46L | -69.07 | 70.77 |
| 60 | 448.46R | 73.82 | 79.51 |
| 61 | 455.32 | 67.29 | 72.98 |
| 62 | 462.18 | 50.20 | 55.88 |
| 63 | 469.04 | 47.26 | 54.02 |
| 64 | 475.89 | 34.24 | 55.34 |
| 65 | 482.75 | 29.48 | 55.12 |
| 66 | 489.61 | -34.55 | 53.82 |
| 67 | 496.47 | -43.93 | 52.05 |
| 68 | 503.32 | -52.25 | 55.43 |
| 69 | 510.18 | -63.30 | 66.48 |
| 70 | 517.04L | -76.27 | 79.44 |
| 70 | 517.04R | 77.44 | 82.30 |
| 71 | 523.88 | 69.25 | 74.10 |
| 72 | 530.72 | 55.99 | 60.85 |
| 73 | 537.56 | 45.65 | 52.31 |
| 74 | 544.40 | 34.77 | 54.79 |
| 75 | 551.24 | -33.33 | 62.19 |
| 76 | 558.08 | -33.33 | 52.29 |
| 77 | 564.92 | -42.79 | 50.42 |
| 78 | 571.76 | -50.67 | 55.69 |
| 79 | 578.60 | -60.31 | 65.34 |
| 80 | 585.43L | -74.41 | 79.44 |
| 80 | 585.43R | 74.92 | 81.33 |
| 81 | 591.02 | 68.88 | 75.29 |
| 82 | 596.60 | 57.01 | 63.42 |
| 83 | 602.19 | 45.50 | 55.41 |
| 84 | 607.77 | 41.20 | 57.40 |
| 85 | 613.35 | 26.40 | 46.91 |
| 86 | 618.94 | -28.80 | 47.86 |
| 87 | 624.52 | -31.75 | 45.72 |
| 88 | 630.10 | -41.00 | 49.80 |
| 89 | 635.69 | -50.04 | 54.63 |
| 90 | 641.27L | -62.69 | 67.27 |
| 90 | 641.27R | 71.49 | 77.55 |
| 91 | 647.26 | 63.84 | 69.90 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.79 | 97.27 | -10.82 | 108.08 |
| 53 | 409.37 | 325.89 | -47.08 | 372.97 |
| 54 | 414.96 | 461.73 | -83.35 | 545.08 |
| 55 | 420.54 | 435.16 | -121.64 | 556.80 |
| 56 | 426.13 | 439.24 | -161.72 | 600.96 |
| 57 | 431.71 | 397.42 | -211.77 | 609.20 |
| 58 | 437.30 | 266.52 | -282.66 | 549.18 |
| 59 | 442.88 | 84.77 | -377.93 | 462.70 |

C237 (LC4) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 74.64 | -539.87 | 614.52 |
| 61 | 455.32 | 100.15 | -289.58 | 389.73 |
| 62 | 462.18 | 350.65 | -141.01 | 491.67 |
| 63 | 469.04 | 508.25 | -111.72 | 619.97 |
| 64 | 475.89 | 597.03 | -86.80 | 683.83 |
| 65 | 482.75 | 638.25 | -119.64 | 757.89 |
| 66 | 489.61 | 643.51 | -165.63 | 809.14 |
| 67 | 496.47 | 553.58 | -211.62 | 765.19 |
| 68 | 503.32 | 347.27 | -262.94 | 610.21 |
| 69 | 510.18 | 112.73 | -430.42 | 543.15 |
| 70 | 517.04 | 62.65 | -686.67 | 749.32 |
| 71 | 523.88 | 61.39 | -389.18 | 450.57 |
| 72 | 530.72 | 327.00 | -228.58 | 555.58 |
| 73 | 537.56 | 497.47 | -182.35 | 679.81 |
| 74 | 544.40 | 595.10 | -141.57 | 736.67 |
| 75 | 551.24 | 610.74 | -100.81 | 711.55 |
| 76 | 558.08 | 594.29 | -135.57 | 729.86 |
| 77 | 564.92 | 508.98 | -173.75 | 682.72 |
| 78 | 571.76 | 311.96 | -218.41 | 530.38 |
| 79 | 578.60 | 92.67 | -368.68 | 461.35 |
| 80 | 585.43 | 70.72 | -618.56 | 689.28 |
| 81 | 591.02 | 62.19 | -404.29 | 466.49 |
| 82 | 596.60 | 261.22 | -271.17 | 532.40 |
| 83 | 602.19 | 420.71 | -199.78 | 620.49 |
| 84 | 607.77 | 517.56 | -165.98 | 683.54 |
| 85 | 613.35 | 565.49 | -135.51 | 701.00 |
| 86 | 618.94 | 532.54 | -144.88 | 677.41 |
| 87 | 624.52 | 463.76 | -185.85 | 649.61 |
| 88 | 630.10 | 383.00 | -232.70 | 615.70 |
| 89 | 635.69 | 224.72 | -297.42 | 522.14 |
| 90 | 641.27 | 35.89 | -374.41 | 410.30 |
| 91 | 647.26 | 2.51 | -0.50 | 3.02 |

C237 (LC4) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 57.40 | 60.68 |
| 53 | 409.38 | 41.95 | 47.17 |
| 54 | 414.97 | 27.30 | 39.89 |
| 55 | 420.55 | 25.81 | 44.24 |
| 56 | 426.13 | -31.15 | 46.58 |
| 57 | 431.72 | -37.21 | 43.71 |
| 58 | 437.30 | -40.18 | 41.70 |
| 59 | 442.88 | -53.55 | 54.63 |
| 60 | 448.46L | -65.32 | 66.40 |
| 60 | 448.46R | 65.93 | 68.57 |
| 61 | 455.32 | 57.29 | 59.93 |
| 62 | 462.18 | 38.71 | 44.00 |
| 63 | 469.04 | 42.31 | 49.39 |
| 64 | 475.89 | 28.54 | 50.65 |
| 65 | 482.75 | -34.75 | 67.96 |
| 66 | 489.61 | -29.09 | 50.08 |
| 67 | 496.47 | -39.21 | 48.55 |
| 68 | 503.32 | -42.38 | 45.86 |
| 69 | 510.18 | -56.34 | 57.81 |
| 70 | 517.04L | -66.72 | 68.19 |
| 70 | 517.04R | 71.28 | 73.54 |
| 71 | 523.93 | 60.97 | 63.24 |
| 72 | 530.82 | 45.72 | 51.08 |
| 73 | 537.70 | 40.45 | 47.56 |
| 74 | 544.59 | 30.08 | 51.95 |
| 75 | 551.48 | -30.45 | 50.78 |
| 76 | 558.37 | -28.40 | 48.67 |
| 77 | 565.26 | -39.23 | 47.11 |
| 78 | 572.14 | -41.72 | 44.92 |
| 79 | 579.03 | -56.31 | 58.79 |
| 80 | 585.92L | -68.44 | 70.92 |
| 80 | 585.92R | 69.80 | 73.48 |
| 81 | 591.44 | 62.57 | 66.25 |
| 82 | 596.95 | 50.50 | 54.18 |
| 83 | 602.47 | 38.83 | 49.12 |
| 84 | 607.98 | 39.69 | 54.57 |
| 85 | 613.50 | 25.42 | 45.75 |
| 86 | 619.02 | -30.85 | 48.21 |
| 87 | 624.53 | -27.85 | 43.29 |
| 88 | 630.05 | -37.75 | 46.76 |
| 89 | 635.57 | -48.18 | 51.22 |
| 90 | 641.08L | -61.63 | 64.67 |
| 90 | 641.08R | 61.50 | 64.54 |
| 91 | 647.14 | 56.60 | 59.14 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 93.37 | -5.63 | 99.00 |
| 53 | 409.38 | 301.06 | -24.35 | 325.41 |
| 54 | 414.97 | 406.71 | -43.08 | 449.79 |
| 55 | 420.55 | 367.67 | -67.74 | 435.41 |
| 56 | 426.13 | 374.93 | -97.56 | 472.48 |
| 57 | 431.72 | 334.51 | -134.90 | 469.41 |
| 58 | 437.30 | 216.86 | -200.45 | 417.31 |

C237 (LC4) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 57.72 | -286.97 | 344.69 |
| 60 | 448.46 | 41.45 | -428.50 | 469.95 |
| 61 | 455.32 | 91.46 | -250.97 | 342.43 |
| 62 | 462.18 | 290.91 | -122.49 | 413.41 |
| 63 | 469.04 | 395.01 | -75.76 | 470.77 |
| 64 | 475.89 | 454.60 | -50.93 | 505.53 |
| 65 | 482.75 | 443.22 | -54.57 | 497.79 |
| 66 | 489.61 | 476.14 | -91.86 | 568.00 |
| 67 | 496.47 | 413.51 | -129.17 | 542.68 |
| 68 | 503.32 | 261.86 | -191.70 | 453.55 |
| 69 | 510.18 | 87.75 | -351.43 | 439.19 |
| 70 | 517.04 | 35.90 | -551.42 | 587.32 |
| 71 | 523.93 | 60.22 | -318.82 | 379.03 |
| 72 | 530.82 | 277.86 | -161.20 | 439.06 |
| 73 | 537.70 | 392.01 | -112.81 | 504.83 |
| 74 | 544.59 | 458.72 | -78.91 | 537.63 |
| 75 | 551.48 | 438.32 | -44.95 | 483.27 |
| 76 | 558.37 | 459.89 | -73.45 | 533.34 |
| 77 | 565.26 | 391.04 | -104.32 | 495.36 |
| 78 | 572.14 | 234.09 | -163.23 | 397.32 |
| 79 | 579.03 | 57.32 | -314.17 | 371.49 |
| 80 | 585.92 | 44.48 | -528.77 | 573.25 |
| 81 | 591.44 | 38.82 | -353.67 | 392.49 |
| 82 | 596.95 | 229.29 | -238.98 | 468.27 |
| 83 | 602.47 | 344.41 | -155.55 | 499.96 |
| 84 | 607.98 | 413.23 | -119.12 | 532.35 |
| 85 | 613.50 | 451.93 | -91.74 | 543.67 |
| 86 | 619.02 | 413.38 | -89.13 | 502.50 |
| 87 | 624.53 | 348.73 | -122.27 | 471.00 |
| 88 | 630.05 | 276.91 | -171.11 | 448.02 |
| 89 | 635.57 | 147.37 | -237.75 | 385.12 |
| 90 | 641.08 | 18.06 | -308.06 | 326.12 |
| 91 | 647.14 | 1.25 | -0.03 | 1.28 |

C237 (LC4) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.82 | 60.18 | 66.42 |
| 53 | 409.40 | 45.80 | 53.50 |
| 54 | 414.98 | 31.72 | 45.59 |
| 55 | 420.56 | 23.73 | 45.31 |
| 56 | 426.14 | -33.49 | 47.61 |
| 57 | 431.72 | -38.83 | 44.55 |
| 58 | 437.30 | -45.22 | 47.08 |
| 59 | 442.88 | -57.19 | 59.05 |
| 60 | 448.46L | -69.22 | 71.07 |
| 60 | 448.46R | 73.86 | 80.06 |
| 61 | 455.32 | 67.34 | 73.54 |
| 62 | 462.18 | 50.28 | 56.49 |
| 63 | 469.04 | 47.35 | 54.33 |
| 64 | 475.90 | 34.33 | 55.79 |
| 65 | 482.76 | -31.44 | 61.86 |
| 66 | 489.62 | -35.16 | 54.53 |
| 67 | 496.48 | -44.51 | 52.54 |
| 68 | 503.34 | -52.91 | 56.06 |
| 69 | 510.20 | -63.13 | 66.28 |
| 70 | 517.06L | -74.94 | 78.09 |
| 70 | 517.06R | 79.62 | 84.56 |
| 71 | 523.99 | 71.73 | 76.66 |
| 72 | 530.93 | 58.55 | 63.49 |
| 73 | 537.87 | 47.27 | 53.69 |
| 74 | 544.81 | 36.28 | 55.99 |
| 75 | 551.75 | 30.32 | 54.59 |
| 76 | 558.68 | -34.30 | 53.58 |
| 77 | 565.62 | -43.98 | 51.44 |
| 78 | 572.56 | -53.48 | 58.83 |
| 79 | 579.50 | -63.84 | 69.19 |
| 80 | 586.44L | -76.86 | 82.21 |
| 80 | 586.44R | 76.50 | 83.71 |
| 81 | 591.88 | 70.40 | 77.61 |
| 82 | 597.33 | 60.57 | 67.78 |
| 83 | 602.78 | 48.08 | 58.88 |
| 84 | 608.23 | 43.17 | 59.81 |
| 85 | 613.67 | 29.72 | 51.12 |
| 86 | 619.12 | -30.08 | 50.88 |
| 87 | 624.57 | -34.53 | 49.61 |
| 88 | 630.02 | -43.39 | 52.71 |
| 89 | 635.46 | -53.45 | 59.76 |
| 90 | 640.91L | -61.96 | 68.27 |
| 90 | 640.91R | 73.63 | 79.98 |
| 91 | 647.03 | 66.41 | 71.95 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.82 | 98.64 | -10.80 | 109.44 |
| 53 | 409.40 | 326.65 | -46.46 | 373.11 |
| 54 | 414.98 | 461.68 | -82.12 | 543.80 |
| 55 | 420.56 | 435.23 | -119.86 | 555.09 |
| 56 | 426.14 | 439.31 | -159.36 | 598.66 |
| 57 | 431.72 | 397.75 | -213.04 | 610.79 |
| 58 | 437.30 | 266.80 | -283.88 | 550.67 |
| 59 | 442.88 | 84.97 | -379.26 | 464.23 |

C237 (LC4) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 81.76 | -541.61 | 623.37 |
| 61 | 455.32 | 102.48 | -290.28 | 392.76 |
| 62 | 462.18 | 350.63 | -141.20 | 491.83 |
| 63 | 469.04 | 505.49 | -111.94 | 617.43 |
| 64 | 475.90 | 598.63 | -89.16 | 687.79 |
| 65 | 482.76 | 640.91 | -130.71 | 771.63 |
| 66 | 489.62 | 647.68 | -181.40 | 829.07 |
| 67 | 496.48 | 558.97 | -232.09 | 791.06 |
| 68 | 503.34 | 353.47 | -288.80 | 642.28 |
| 69 | 510.20 | 118.69 | -458.75 | 577.44 |
| 70 | 517.06 | 65.90 | -719.68 | 785.58 |
| 71 | 523.99 | 55.21 | -398.62 | 453.83 |
| 72 | 530.93 | 341.97 | -227.45 | 569.42 |
| 73 | 537.87 | 520.12 | -183.05 | 703.17 |
| 74 | 544.81 | 620.59 | -141.81 | 762.41 |
| 75 | 551.75 | 638.87 | -100.57 | 739.44 |
| 76 | 558.68 | 612.35 | -132.66 | 745.02 |
| 77 | 565.62 | 516.26 | -169.32 | 685.58 |
| 78 | 572.56 | 303.11 | -210.63 | 513.74 |
| 79 | 579.50 | 69.63 | -390.05 | 459.67 |
| 80 | 586.44 | 83.56 | -686.27 | 769.82 |
| 81 | 591.88 | 74.36 | -472.00 | 546.35 |
| 82 | 597.33 | 275.20 | -341.14 | 616.34 |
| 83 | 602.78 | 436.59 | -255.97 | 692.56 |
| 84 | 608.23 | 525.09 | -213.80 | 738.89 |
| 85 | 613.67 | 570.71 | -175.81 | 746.52 |
| 86 | 619.12 | 532.06 | -163.78 | 695.84 |
| 87 | 624.57 | 466.95 | -202.66 | 669.61 |
| 88 | 630.02 | 368.79 | -255.31 | 624.10 |
| 89 | 635.46 | 201.98 | -320.76 | 522.74 |
| 90 | 640.91 | 38.82 | -395.59 | 434.41 |
| 91 | 647.03 | 5.47 | -0.50 | 5.97 |

C237 (LC5) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.79 | 56.05 | 62.48 |
| 53 | 409.37 | 38.93 | 47.22 |
| 54 | 414.96 | 25.98 | 39.93 |
| 55 | 420.54 | 22.60 | 44.02 |
| 56 | 426.13 | -32.98 | 45.65 |
| 57 | 431.71 | -38.18 | 43.28 |
| 58 | 437.30 | -44.32 | 46.04 |
| 59 | 442.88 | -56.23 | 57.95 |
| 60 | 448.46L | -68.88 | 70.60 |
| 60 | 448.46R | 72.37 | 78.13 |
| 61 | 455.32 | 64.31 | 70.07 |
| 62 | 462.18 | 53.76 | 59.52 |
| 63 | 469.04 | 46.53 | 54.80 |
| 64 | 475.89 | 33.75 | 55.51 |
| 65 | 482.75 | 29.17 | 54.96 |
| 66 | 489.61 | -34.39 | 53.80 |
| 67 | 496.47 | -43.45 | 52.34 |
| 68 | 503.32 | -51.66 | 54.85 |
| 69 | 510.18 | -62.07 | 65.27 |
| 70 | 517.04L | -75.41 | 78.60 |
| 70 | 517.04R | 76.64 | 81.58 |
| 71 | 523.88 | 68.84 | 73.77 |
| 72 | 530.72 | 56.16 | 61.09 |
| 73 | 537.56 | 45.98 | 53.96 |
| 74 | 544.40 | 35.47 | 56.08 |
| 75 | 551.24 | -33.09 | 62.13 |
| 76 | 558.08 | -33.09 | 52.38 |
| 77 | 564.92 | -42.31 | 50.85 |
| 78 | 571.76 | -49.78 | 54.86 |
| 79 | 578.60 | -61.07 | 66.15 |
| 80 | 585.43L | -73.94 | 79.03 |
| 80 | 585.43R | 73.75 | 80.15 |
| 81 | 591.02 | 68.47 | 74.88 |
| 82 | 596.60 | 57.08 | 63.48 |
| 83 | 602.19 | 45.70 | 56.08 |
| 84 | 607.77 | 41.66 | 57.17 |
| 85 | 613.35 | 27.41 | 47.17 |
| 86 | 618.94 | -28.13 | 47.25 |
| 87 | 624.52 | -31.03 | 45.33 |
| 88 | 630.10 | -40.36 | 50.05 |
| 89 | 635.69 | -49.50 | 54.14 |
| 90 | 641.27L | -62.78 | 67.42 |
| 90 | 641.27R | 71.67 | 77.80 |
| 91 | 647.26 | 63.07 | 69.20 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.46 | -11.00 | 106.47 |
| 53 | 409.37 | 327.42 | -47.90 | 375.33 |
| 54 | 414.96 | 456.74 | -84.80 | 541.54 |
| 55 | 420.54 | 428.38 | -123.75 | 552.13 |
| 56 | 426.13 | 438.98 | -169.24 | 608.22 |
| 57 | 431.71 | 397.35 | -223.39 | 620.74 |
| 58 | 437.30 | 264.49 | -289.23 | 553.72 |

C237 (LC5) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 75.76 | -373.24 | 449.00 |
| 60 | 448.46 | 76.28 | -514.12 | 590.40 |
| 61 | 455.32 | 98.70 | -280.19 | 378.90 |
| 62 | 462.18 | 350.80 | -142.75 | 493.55 |
| 63 | 469.04 | 511.49 | -112.45 | 623.95 |
| 64 | 475.89 | 602.22 | -87.35 | 689.56 |
| 65 | 482.75 | 645.77 | -122.34 | 768.11 |
| 66 | 489.61 | 649.61 | -169.27 | 818.88 |
| 67 | 496.47 | 556.56 | -216.21 | 772.77 |
| 68 | 503.32 | 348.75 | -268.53 | 617.28 |
| 69 | 510.18 | 110.00 | -425.89 | 535.88 |
| 70 | 517.04 | 63.55 | -663.69 | 727.24 |
| 71 | 523.88 | 60.24 | -384.52 | 444.76 |
| 72 | 530.72 | 328.90 | -231.91 | 560.81 |
| 73 | 537.56 | 501.94 | -185.04 | 686.99 |
| 74 | 544.40 | 603.78 | -143.69 | 747.46 |
| 75 | 551.24 | 618.61 | -102.34 | 720.95 |
| 76 | 558.08 | 599.39 | -137.51 | 736.90 |
| 77 | 564.92 | 511.24 | -176.19 | 687.43 |
| 78 | 571.76 | 310.73 | -221.42 | 532.15 |
| 79 | 578.60 | 91.02 | -360.51 | 451.53 |
| 80 | 585.43 | 71.77 | -591.71 | 663.48 |
| 81 | 591.02 | 63.13 | -390.95 | 454.08 |
| 82 | 596.60 | 261.57 | -278.51 | 540.09 |
| 83 | 602.19 | 422.62 | -203.97 | 626.59 |
| 84 | 607.77 | 521.96 | -168.54 | 690.50 |
| 85 | 613.35 | 571.98 | -137.69 | 709.66 |
| 86 | 618.94 | 538.97 | -158.52 | 697.49 |
| 87 | 624.52 | 476.06 | -196.80 | 672.86 |
| 88 | 630.10 | 396.50 | -244.32 | 640.81 |
| 89 | 635.69 | 234.73 | -306.75 | 541.49 |
| 90 | 641.27 | 36.51 | -372.58 | 409.08 |
| 91 | 647.26 | 2.49 | -0.51 | 3.00 |

C237 (LC5) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 55.59 | 58.91 |
| 53 | 409.38 | 35.14 | 40.69 |
| 54 | 414.97 | 21.69 | 34.33 |
| 55 | 420.55 | 25.26 | 43.56 |
| 56 | 426.13 | -30.78 | 44.56 |
| 57 | 431.72 | -36.73 | 42.10 |
| 58 | 437.30 | -39.31 | 40.54 |
| 59 | 442.88 | -52.71 | 53.80 |
| 60 | 448.46L | -65.31 | 66.40 |
| 60 | 448.46R | 65.60 | 68.27 |
| 61 | 455.32 | 54.96 | 57.64 |
| 62 | 462.18 | 41.90 | 48.37 |
| 63 | 469.04 | 41.57 | 49.50 |
| 64 | 475.89 | 28.03 | 50.48 |
| 65 | 482.75 | -34.82 | 67.78 |
| 66 | 489.61 | -28.88 | 49.95 |
| 67 | 496.47 | -38.99 | 48.72 |
| 68 | 503.32 | -41.47 | 46.29 |
| 69 | 510.18 | -53.87 | 55.35 |
| 70 | 517.04L | -69.29 | 70.77 |
| 70 | 517.04R | 70.38 | 72.68 |
| 71 | 523.93 | 60.44 | 62.74 |
| 72 | 530.82 | 45.77 | 51.66 |
| 73 | 537.70 | 40.83 | 48.66 |
| 74 | 544.59 | 29.91 | 52.53 |
| 75 | 551.48 | -30.44 | 50.89 |
| 76 | 558.37 | -28.18 | 48.75 |
| 77 | 565.26 | -38.60 | 47.90 |
| 78 | 572.14 | -40.47 | 44.03 |
| 79 | 579.03 | -55.27 | 57.78 |
| 80 | 585.92L | -67.95 | 70.47 |
| 80 | 585.92R | 68.80 | 72.52 |
| 81 | 591.44 | 61.35 | 65.07 |
| 82 | 596.95 | 50.50 | 54.23 |
| 83 | 602.47 | 38.81 | 49.32 |
| 84 | 607.98 | 40.26 | 54.62 |
| 85 | 613.50 | 25.99 | 45.76 |
| 86 | 619.02 | -30.38 | 47.68 |
| 87 | 624.53 | -27.18 | 42.82 |
| 88 | 630.05 | -37.20 | 46.77 |
| 89 | 635.57 | -47.74 | 50.82 |
| 90 | 641.08L | -56.90 | 59.98 |
| 90 | 641.08R | 60.35 | 63.41 |
| 91 | 647.14 | 56.47 | 59.04 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 91.24 | -5.72 | 96.96 |
| 53 | 409.38 | 301.21 | -24.75 | 325.96 |
| 54 | 414.97 | 402.39 | -43.78 | 446.17 |
| 55 | 420.55 | 359.87 | -68.78 | 428.65 |
| 56 | 426.13 | 374.47 | -102.16 | 476.63 |
| 57 | 431.72 | 334.23 | -141.47 | 475.70 |
| 58 | 437.30 | 213.99 | -203.90 | 417.88 |
| 59 | 442.88 | 46.65 | -280.96 | 327.61 |

C237 (LC5) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 42.27 | -403.89 | 446.16 |
| 61 | 455.32 | 90.27 | -242.66 | 332.93 |
| 62 | 462.18 | 290.51 | -127.03 | 417.54 |
| 63 | 469.04 | 395.99 | -76.50 | 472.48 |
| 64 | 475.89 | 457.71 | -51.36 | 509.07 |
| 65 | 482.75 | 445.80 | -55.97 | 501.77 |
| 66 | 489.61 | 478.51 | -93.69 | 572.20 |
| 67 | 496.47 | 414.29 | -131.52 | 545.81 |
| 68 | 503.32 | 263.00 | -199.58 | 462.57 |
| 69 | 510.18 | 85.28 | -345.50 | 430.78 |
| 70 | 517.04 | 36.37 | -529.39 | 565.76 |
| 71 | 523.93 | 59.54 | -313.38 | 372.92 |
| 72 | 530.82 | 279.99 | -163.66 | 443.65 |
| 73 | 537.70 | 393.45 | -114.25 | 507.70 |
| 74 | 544.59 | 462.41 | -80.00 | 542.41 |
| 75 | 551.48 | 441.89 | -45.79 | 487.68 |
| 76 | 558.37 | 462.17 | -74.43 | 536.60 |
| 77 | 565.26 | 391.45 | -105.59 | 497.04 |
| 78 | 572.14 | 234.77 | -166.94 | 401.71 |
| 79 | 579.03 | 59.86 | -304.19 | 364.05 |
| 80 | 585.92 | 45.07 | -501.43 | 546.50 |
| 81 | 591.44 | 39.35 | -341.62 | 380.97 |
| 82 | 596.95 | 229.61 | -242.53 | 472.14 |
| 83 | 602.47 | 345.69 | -163.44 | 509.13 |
| 84 | 607.98 | 415.42 | -120.64 | 536.06 |
| 85 | 613.50 | 455.04 | -92.96 | 548.00 |
| 86 | 619.02 | 418.51 | -95.48 | 513.99 |
| 87 | 624.53 | 352.62 | -129.39 | 482.01 |
| 88 | 630.05 | 284.99 | -179.58 | 464.57 |
| 89 | 635.57 | 155.02 | -240.05 | 395.07 |
| 90 | 641.08 | 18.34 | -301.22 | 319.56 |
| 91 | 647.14 | 1.25 | -0.03 | 1.28 |

C237 (LC5) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
|----------------|----------|----------|-------|

| | | | |
|----|---------|--------|-------|
| 52 | 403.82 | 55.99 | 62.34 |
| 53 | 409.40 | 38.87 | 47.20 |
| 54 | 414.98 | 25.94 | 39.96 |
| 55 | 420.56 | 22.28 | 43.80 |
| 56 | 426.14 | -33.07 | 45.76 |
| 57 | 431.72 | -38.22 | 43.10 |
| 58 | 437.30 | -44.40 | 46.28 |
| 59 | 442.88 | -56.31 | 58.19 |
| 60 | 448.46L | -69.06 | 70.95 |
| 60 | 448.46R | 72.47 | 78.75 |
| 61 | 455.32 | 64.42 | 70.70 |
| 62 | 462.18 | 53.84 | 60.12 |
| 63 | 469.04 | 46.62 | 55.16 |
| 64 | 475.90 | 33.84 | 56.01 |
| 65 | 482.76 | -31.64 | 61.73 |
| 66 | 489.62 | -35.00 | 54.50 |
| 67 | 496.48 | -44.02 | 52.80 |
| 68 | 503.34 | -52.22 | 55.38 |
| 69 | 510.20 | -62.31 | 65.48 |
| 70 | 517.06L | -73.91 | 77.07 |
| 70 | 517.06R | 78.93 | 83.95 |
| 71 | 523.99 | 71.38 | 76.40 |
| 72 | 530.93 | 58.78 | 63.80 |
| 73 | 537.87 | 47.61 | 55.36 |
| 74 | 544.81 | 36.98 | 57.40 |
| 75 | 551.75 | 31.18 | 55.45 |
| 76 | 558.68 | -34.08 | 54.17 |
| 77 | 565.62 | -43.51 | 52.98 |
| 78 | 572.56 | -52.76 | 58.18 |
| 79 | 579.50 | -62.98 | 68.40 |
| 80 | 586.44L | -76.43 | 81.85 |
| 80 | 586.44R | 76.20 | 83.45 |
| 81 | 591.88 | 69.04 | 76.29 |
| 82 | 597.33 | 60.60 | 67.85 |
| 83 | 602.78 | 48.38 | 59.60 |
| 84 | 608.23 | 40.44 | 56.34 |
| 85 | 613.67 | 29.70 | 50.30 |
| 86 | 619.12 | -29.36 | 50.19 |
| 87 | 624.57 | -33.81 | 49.29 |
| 88 | 630.02 | -42.76 | 53.08 |
| 89 | 635.46 | -52.91 | 59.30 |
| 90 | 640.91L | -62.20 | 68.59 |
| 90 | 640.91R | 73.01 | 79.45 |
| 91 | 647.03 | 65.81 | 71.43 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|-------|
|----------------|----------|----------|----------|-------|

| | | | | |
|----|--------|--------|---------|--------|
| 52 | 403.82 | 96.77 | -11.00 | 107.77 |
| 53 | 409.40 | 328.06 | -47.32 | 375.38 |
| 54 | 414.98 | 456.96 | -83.64 | 540.60 |
| 55 | 420.56 | 428.40 | -122.06 | 550.46 |
| 56 | 426.14 | 439.05 | -170.28 | 609.33 |
| 57 | 431.72 | 397.68 | -224.75 | 622.43 |
| 58 | 437.30 | 264.54 | -290.49 | 555.03 |
| 59 | 442.88 | 75.79 | -374.61 | 450.40 |

C237 (LC5) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 83.48 | -515.86 | 599.34 |
| 61 | 455.32 | 100.86 | -280.77 | 381.63 |
| 62 | 462.18 | 350.76 | -142.69 | 493.46 |
| 63 | 469.04 | 508.87 | -112.60 | 621.47 |
| 64 | 475.90 | 603.81 | -91.08 | 694.90 |
| 65 | 482.76 | 648.48 | -133.52 | 782.00 |
| 66 | 489.62 | 653.84 | -185.21 | 839.05 |
| 67 | 496.48 | 562.03 | -236.90 | 798.93 |
| 68 | 503.34 | 355.00 | -294.68 | 649.69 |
| 69 | 510.20 | 115.94 | -455.56 | 571.51 |
| 70 | 517.06 | 66.90 | -697.04 | 763.94 |
| 71 | 523.99 | 54.16 | -394.16 | 448.32 |
| 72 | 530.93 | 340.08 | -230.77 | 570.85 |
| 73 | 537.87 | 524.46 | -185.77 | 710.23 |
| 74 | 544.81 | 629.46 | -143.95 | 773.40 |
| 75 | 551.75 | 647.06 | -102.12 | 749.18 |
| 76 | 558.68 | 617.30 | -134.69 | 751.99 |
| 77 | 565.62 | 518.11 | -171.87 | 689.98 |
| 78 | 572.56 | 304.10 | -213.74 | 517.84 |
| 79 | 579.50 | 72.40 | -379.42 | 451.82 |
| 80 | 586.44 | 84.80 | -653.24 | 738.04 |
| 81 | 591.88 | 75.47 | -460.85 | 536.31 |
| 82 | 597.33 | 276.00 | -349.44 | 625.44 |
| 83 | 602.78 | 439.79 | -271.21 | 711.01 |
| 84 | 608.23 | 530.11 | -216.85 | 746.96 |
| 85 | 613.67 | 578.03 | -188.15 | 766.18 |
| 86 | 619.12 | 539.87 | -199.08 | 738.94 |
| 87 | 624.57 | 476.25 | -232.74 | 708.99 |
| 88 | 630.02 | 384.39 | -275.53 | 659.92 |
| 89 | 635.46 | 212.86 | -330.14 | 542.99 |
| 90 | 640.91 | 39.56 | -393.59 | 433.15 |
| 91 | 647.03 | 5.47 | -0.51 | 5.97 |

C237 (LC6) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.79 | 59.60 | 66.14 |
| 53 | 409.37 | 45.12 | 53.85 |
| 54 | 414.96 | 31.22 | 45.22 |
| 55 | 420.54 | 23.36 | 44.53 |
| 56 | 426.13 | -32.44 | 46.19 |
| 57 | 431.71 | -37.55 | 43.00 |
| 58 | 437.30 | -43.50 | 45.24 |
| 59 | 442.88 | -55.71 | 57.46 |
| 60 | 448.46L | -68.78 | 70.52 |
| 60 | 448.46R | 73.14 | 78.98 |
| 61 | 455.32 | 66.12 | 71.96 |
| 62 | 462.18 | 48.50 | 54.34 |
| 63 | 469.04 | 41.37 | 51.02 |
| 64 | 475.89 | 33.23 | 55.36 |
| 65 | 482.75 | 28.85 | 54.60 |
| 66 | 489.61 | -34.10 | 55.79 |
| 67 | 496.47 | -42.93 | 52.22 |
| 68 | 503.32 | -50.99 | 54.17 |
| 69 | 510.18 | -61.45 | 64.63 |
| 70 | 517.04L | -74.61 | 77.79 |
| 70 | 517.04R | 75.91 | 80.92 |
| 71 | 523.88 | 68.37 | 73.38 |
| 72 | 530.72 | 56.27 | 61.28 |
| 73 | 537.56 | 46.28 | 55.24 |
| 74 | 544.40 | 35.97 | 56.87 |
| 75 | 551.24 | -32.80 | 61.94 |
| 76 | 558.08 | -32.80 | 52.87 |
| 77 | 564.92 | -41.62 | 51.74 |
| 78 | 571.76 | -49.04 | 54.19 |
| 79 | 578.60 | -60.34 | 65.49 |
| 80 | 585.43L | -73.46 | 78.61 |
| 80 | 585.43R | 73.27 | 79.67 |
| 81 | 591.02 | 67.17 | 73.58 |
| 82 | 596.60 | 57.25 | 63.66 |
| 83 | 602.19 | 45.75 | 56.08 |
| 84 | 607.77 | 36.90 | 51.66 |
| 85 | 613.35 | 28.18 | 47.23 |
| 86 | 618.94 | -27.51 | 46.60 |
| 87 | 624.52 | -30.36 | 44.77 |
| 88 | 630.10 | -39.76 | 49.97 |
| 89 | 635.69 | -49.02 | 53.73 |
| 90 | 641.27L | -62.94 | 67.66 |
| 90 | 641.27R | 71.95 | 78.16 |
| 91 | 647.26 | 62.65 | 68.87 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.79 | 96.26 | -11.21 | 107.47 |
| 53 | 409.37 | 325.79 | -48.80 | 374.60 |
| 54 | 414.96 | 461.23 | -86.40 | 547.63 |
| 55 | 420.54 | 437.22 | -130.70 | 567.92 |
| 56 | 426.13 | 438.67 | -178.49 | 617.17 |
| 57 | 431.71 | 397.07 | -231.16 | 628.23 |
| 58 | 437.30 | 268.69 | -293.21 | 561.90 |
| 59 | 442.88 | 85.86 | -367.47 | 453.33 |

C237 (LC6) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 78.19 | -486.14 | 564.32 |
| 61 | 455.32 | 96.88 | -268.14 | 365.02 |
| 62 | 462.18 | 351.07 | -151.48 | 502.54 |
| 63 | 469.04 | 515.06 | -112.02 | 627.08 |
| 64 | 475.89 | 607.78 | -87.02 | 694.80 |
| 65 | 482.75 | 651.80 | -125.47 | 777.27 |
| 66 | 489.61 | 655.75 | -173.50 | 829.25 |
| 67 | 496.47 | 559.83 | -221.54 | 781.36 |
| 68 | 503.32 | 350.36 | -275.01 | 625.37 |
| 69 | 510.18 | 107.29 | -419.23 | 526.52 |
| 70 | 517.04 | 64.33 | -638.05 | 702.39 |
| 71 | 523.88 | 58.83 | -379.82 | 438.65 |
| 72 | 530.72 | 330.90 | -235.54 | 566.44 |
| 73 | 537.56 | 507.15 | -187.99 | 695.13 |
| 74 | 544.40 | 611.50 | -146.00 | 757.50 |
| 75 | 551.24 | 623.93 | -104.02 | 727.96 |
| 76 | 558.08 | 605.09 | -139.21 | 744.30 |
| 77 | 564.92 | 513.83 | -178.34 | 692.17 |
| 78 | 571.76 | 311.95 | -224.06 | 536.01 |
| 79 | 578.60 | 93.53 | -349.66 | 443.19 |
| 80 | 585.43 | 72.92 | -561.13 | 634.05 |
| 81 | 591.02 | 64.14 | -377.70 | 441.84 |
| 82 | 596.60 | 263.61 | -282.15 | 545.76 |
| 83 | 602.19 | 425.42 | -217.47 | 642.90 |
| 84 | 607.77 | 525.90 | -178.38 | 704.28 |
| 85 | 613.35 | 577.79 | -173.00 | 750.79 |
| 86 | 618.94 | 544.66 | -186.87 | 731.53 |
| 87 | 624.52 | 486.86 | -214.83 | 701.69 |
| 88 | 630.10 | 408.57 | -262.72 | 671.30 |
| 89 | 635.69 | 246.67 | -315.31 | 561.98 |
| 90 | 641.27 | 37.19 | -371.12 | 408.30 |
| 91 | 647.26 | 2.47 | -0.52 | 2.99 |

C237 (LC6) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 56.66 | 60.13 |
| 53 | 409.38 | 41.08 | 46.85 |
| 54 | 414.97 | 26.65 | 39.30 |
| 55 | 420.55 | 25.38 | 43.41 |
| 56 | 426.13 | -30.34 | 45.33 |
| 57 | 431.72 | -36.26 | 42.39 |
| 58 | 437.30 | -38.49 | 39.59 |
| 59 | 442.88 | -52.88 | 53.98 |
| 60 | 448.46L | -65.41 | 66.51 |
| 60 | 448.46R | 65.11 | 67.82 |
| 61 | 455.32 | 55.86 | 58.57 |
| 62 | 462.18 | 36.85 | 43.77 |
| 63 | 469.04 | 36.33 | 44.99 |
| 64 | 475.89 | 27.52 | 50.17 |
| 65 | 482.75 | -34.73 | 67.39 |
| 66 | 489.61 | -28.60 | 52.15 |
| 67 | 496.47 | -38.34 | 48.35 |
| 68 | 503.32 | -40.54 | 45.64 |
| 69 | 510.18 | -53.05 | 54.52 |
| 70 | 517.04L | -68.36 | 69.83 |
| 70 | 517.04R | 69.56 | 71.89 |
| 71 | 523.93 | 59.88 | 62.22 |
| 72 | 530.82 | 45.80 | 52.14 |
| 73 | 537.70 | 41.18 | 49.55 |
| 74 | 544.59 | 30.39 | 53.68 |
| 75 | 551.48 | -30.39 | 51.35 |
| 76 | 558.37 | -27.92 | 49.41 |
| 77 | 565.26 | -38.00 | 48.47 |
| 78 | 572.14 | -39.35 | 43.69 |
| 79 | 579.03 | -54.31 | 56.86 |
| 80 | 585.92L | -67.51 | 70.06 |
| 80 | 585.92R | 68.30 | 72.08 |
| 81 | 591.44 | 60.07 | 63.84 |
| 82 | 596.95 | 50.65 | 54.43 |
| 83 | 602.47 | 38.65 | 49.04 |
| 84 | 607.98 | 36.37 | 50.16 |
| 85 | 613.50 | 26.73 | 45.98 |
| 86 | 619.02 | -30.57 | 47.78 |
| 87 | 624.53 | -26.58 | 42.25 |
| 88 | 630.05 | -36.71 | 46.59 |
| 89 | 635.57 | -47.38 | 50.50 |
| 90 | 641.08L | -57.32 | 60.44 |
| 90 | 641.08R | 59.97 | 63.06 |
| 91 | 647.14 | 56.36 | 58.97 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 92.19 | -5.82 | 98.01 |
| 53 | 409.38 | 300.60 | -25.20 | 325.80 |
| 54 | 414.97 | 405.48 | -44.58 | 450.06 |
| 55 | 420.55 | 369.36 | -72.92 | 442.28 |
| 56 | 426.13 | 374.01 | -107.12 | 481.13 |
| 57 | 431.72 | 333.84 | -145.84 | 479.68 |
| 58 | 437.30 | 218.35 | -204.60 | 422.96 |
| 59 | 442.88 | 57.46 | -274.19 | 331.65 |

C237 (LC6) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 43.23 | -379.67 | 422.91 |
| 61 | 455.32 | 88.93 | -232.53 | 321.46 |
| 62 | 462.18 | 290.07 | -130.21 | 420.28 |
| 63 | 469.04 | 397.16 | -76.09 | 473.25 |
| 64 | 475.89 | 460.83 | -51.11 | 511.95 |
| 65 | 482.75 | 447.55 | -57.42 | 504.96 |
| 66 | 489.61 | 480.67 | -95.83 | 576.50 |
| 67 | 496.47 | 415.17 | -134.27 | 549.44 |
| 68 | 503.32 | 264.05 | -204.43 | 468.48 |
| 69 | 510.18 | 82.84 | -337.73 | 420.57 |
| 70 | 517.04 | 36.78 | -505.78 | 542.55 |
| 71 | 523.93 | 58.75 | -306.70 | 365.45 |
| 72 | 530.82 | 277.08 | -168.29 | 445.37 |
| 73 | 537.70 | 395.19 | -115.83 | 511.02 |
| 74 | 544.59 | 465.67 | -81.19 | 546.86 |
| 75 | 551.48 | 444.58 | -46.62 | 491.21 |
| 76 | 558.37 | 464.54 | -75.30 | 539.83 |
| 77 | 565.26 | 392.03 | -106.71 | 498.74 |
| 78 | 572.14 | 235.19 | -168.82 | 404.01 |
| 79 | 579.03 | 61.73 | -294.15 | 355.88 |
| 80 | 585.92 | 45.71 | -470.71 | 516.42 |
| 81 | 591.44 | 39.92 | -329.12 | 369.04 |
| 82 | 596.95 | 229.17 | -243.33 | 472.50 |
| 83 | 602.47 | 347.66 | -171.29 | 518.96 |
| 84 | 607.98 | 417.40 | -126.53 | 543.93 |
| 85 | 613.50 | 457.56 | -109.95 | 567.52 |
| 86 | 619.02 | 424.82 | -114.80 | 539.62 |
| 87 | 624.53 | 357.06 | -138.73 | 495.78 |
| 88 | 630.05 | 293.11 | -188.09 | 481.20 |
| 89 | 635.57 | 157.05 | -241.83 | 398.87 |
| 90 | 641.08 | 18.66 | -295.98 | 314.63 |
| 91 | 647.14 | 1.24 | -0.03 | 1.28 |

C237 (LC6) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 59.55 | 66.09 |
| 53 | 409.40 | 45.04 | 53.81 |
| 54 | 414.98 | 31.14 | 45.20 |
| 55 | 420.56 | 23.35 | 44.62 |
| 56 | 426.14 | -32.52 | 46.27 |
| 57 | 431.72 | -37.60 | 43.02 |
| 58 | 437.30 | -43.58 | 45.48 |
| 59 | 442.88 | -55.80 | 57.70 |
| 60 | 448.46L | -69.05 | 70.96 |
| 60 | 448.46R | 73.18 | 79.53 |
| 61 | 455.32 | 66.17 | 72.52 |
| 62 | 462.18 | 48.59 | 54.94 |
| 63 | 469.04 | 41.47 | 51.45 |
| 64 | 475.90 | 33.32 | 55.89 |
| 65 | 482.76 | -31.63 | 61.36 |
| 66 | 489.62 | -34.71 | 56.46 |
| 67 | 496.48 | -43.47 | 52.63 |
| 68 | 503.34 | -51.49 | 54.64 |
| 69 | 510.20 | -61.63 | 64.78 |
| 70 | 517.06L | -72.88 | 76.04 |
| 70 | 517.06R | 78.27 | 83.36 |
| 71 | 523.99 | 70.97 | 76.07 |
| 72 | 530.93 | 58.96 | 64.05 |
| 73 | 537.87 | 47.91 | 56.76 |
| 74 | 544.81 | 37.48 | 58.21 |
| 75 | 551.75 | 31.94 | 56.08 |
| 76 | 558.68 | -33.80 | 54.88 |
| 77 | 565.62 | -42.85 | 53.94 |
| 78 | 572.56 | -52.12 | 57.61 |
| 79 | 579.50 | -62.53 | 68.02 |
| 80 | 586.44L | -76.03 | 81.52 |
| 80 | 586.44R | 75.88 | 83.11 |
| 81 | 591.88 | 67.57 | 74.80 |
| 82 | 597.33 | 55.30 | 62.53 |
| 83 | 602.78 | 48.49 | 59.33 |
| 84 | 608.23 | 39.92 | 55.02 |
| 85 | 613.67 | 30.00 | 49.84 |
| 86 | 619.12 | -28.69 | 49.50 |
| 87 | 624.57 | -33.14 | 48.74 |
| 88 | 630.02 | -42.17 | 53.10 |
| 89 | 635.46 | -52.42 | 58.91 |
| 90 | 640.91L | -62.50 | 69.00 |
| 90 | 640.91R | 73.30 | 79.85 |
| 91 | 647.03 | 65.22 | 70.93 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 97.61 | -11.23 | 108.84 |
| 53 | 409.40 | 326.56 | -48.31 | 374.87 |
| 54 | 414.98 | 461.21 | -85.38 | 546.60 |
| 55 | 420.56 | 437.24 | -131.47 | 568.71 |
| 56 | 426.14 | 438.74 | -179.61 | 618.35 |
| 57 | 431.72 | 397.40 | -232.50 | 629.90 |
| 58 | 437.30 | 268.84 | -294.55 | 563.39 |
| 59 | 442.88 | 85.64 | -368.87 | 454.51 |

C237 (LC6) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 85.48 | -487.87 | 573.35 |
| 61 | 455.32 | 98.98 | -268.52 | 367.50 |
| 62 | 462.18 | 351.02 | -151.45 | 502.47 |
| 63 | 469.04 | 512.76 | -112.23 | 624.99 |
| 64 | 475.90 | 607.98 | -93.34 | 701.32 |
| 65 | 482.76 | 654.55 | -136.80 | 791.35 |
| 66 | 489.62 | 660.04 | -189.66 | 849.70 |
| 67 | 496.48 | 565.37 | -242.53 | 807.90 |
| 68 | 503.34 | 356.68 | -301.55 | 658.23 |
| 69 | 510.20 | 113.22 | -450.06 | 563.29 |
| 70 | 517.06 | 67.81 | -671.94 | 739.75 |
| 71 | 523.99 | 52.93 | -388.97 | 441.90 |
| 72 | 530.93 | 337.03 | -234.38 | 571.42 |
| 73 | 537.87 | 529.56 | -188.74 | 718.30 |
| 74 | 544.81 | 637.21 | -146.27 | 783.49 |
| 75 | 551.75 | 653.68 | -103.80 | 757.48 |
| 76 | 558.68 | 622.71 | -136.53 | 759.23 |
| 77 | 565.62 | 520.36 | -174.19 | 694.54 |
| 78 | 572.56 | 304.88 | -216.56 | 521.43 |
| 79 | 579.50 | 74.19 | -366.96 | 441.15 |
| 80 | 586.44 | 86.15 | -616.96 | 703.12 |
| 81 | 591.88 | 76.67 | -449.15 | 525.82 |
| 82 | 597.33 | 276.39 | -354.17 | 630.56 |
| 83 | 602.78 | 442.77 | -286.74 | 729.51 |
| 84 | 608.23 | 534.72 | -242.54 | 777.25 |
| 85 | 613.67 | 584.75 | -228.45 | 813.20 |
| 86 | 619.12 | 546.67 | -234.01 | 780.68 |
| 87 | 624.57 | 487.79 | -259.00 | 746.79 |
| 88 | 630.02 | 399.62 | -292.25 | 691.86 |
| 89 | 635.46 | 226.44 | -339.26 | 565.70 |
| 90 | 640.91 | 40.51 | -391.58 | 432.09 |
| 91 | 647.03 | 5.46 | -0.52 | 5.98 |

C256b Service Loads

(LC for Variable Axle Spacing)

C256 (LC1) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 57.40 | 63.85 |
| 53 | 409.37 | 40.18 | 46.62 |
| 54 | 414.96 | 29.09 | 39.77 |
| 55 | 420.54 | 23.24 | 41.84 |
| 56 | 426.13 | -30.10 | 42.59 |
| 57 | 431.71 | -41.63 | 44.79 |
| 58 | 437.30 | -48.36 | 50.11 |
| 59 | 442.88 | -60.61 | 62.36 |
| 60 | 448.46L | -67.54 | 69.29 |
| 60 | 448.46R | 75.41 | 81.25 |
| 61 | 455.32 | 67.16 | 73.00 |
| 62 | 462.18 | 55.73 | 61.57 |
| 63 | 469.04 | 47.52 | 53.11 |
| 64 | 475.89 | 33.87 | 54.29 |
| 65 | 482.75 | 28.26 | 54.04 |
| 66 | 489.61 | -35.01 | 52.01 |
| 67 | 496.47 | -45.31 | 50.51 |
| 68 | 503.32 | -54.32 | 57.40 |
| 69 | 510.18 | -65.63 | 68.71 |
| 70 | 517.04L | -79.44 | 82.53 |
| 70 | 517.04R | 80.68 | 85.48 |
| 71 | 523.88 | 72.23 | 77.03 |
| 72 | 530.72 | 55.95 | 60.76 |
| 73 | 537.56 | 45.17 | 49.99 |
| 74 | 544.40 | 33.49 | 51.56 |
| 75 | 551.24 | -33.58 | 63.14 |
| 76 | 558.08 | -33.58 | 51.54 |
| 77 | 564.92 | -44.42 | 50.07 |
| 78 | 571.76 | -52.61 | 57.69 |
| 79 | 578.60 | -63.50 | 68.57 |
| 80 | 585.43L | -76.96 | 82.03 |
| 80 | 585.43R | 78.59 | 85.18 |
| 81 | 591.02 | 69.03 | 75.62 |
| 82 | 596.60 | 56.84 | 63.43 |
| 83 | 602.19 | 50.52 | 57.11 |
| 84 | 607.77 | 38.96 | 54.98 |
| 85 | 613.35 | 27.08 | 48.72 |
| 86 | 618.94 | -30.74 | 48.16 |
| 87 | 624.52 | -34.28 | 46.28 |
| 88 | 630.10 | -44.30 | 49.01 |
| 89 | 635.69 | -53.17 | 57.88 |
| 90 | 641.27L | -63.00 | 67.70 |
| 90 | 641.27R | 72.58 | 78.74 |
| 91 | 647.26 | 66.39 | 72.55 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 94.37 | -10.97 | 105.34 |
| 53 | 409.37 | 321.00 | -47.77 | 368.77 |
| 54 | 414.96 | 446.52 | -84.57 | 531.09 |
| 55 | 420.54 | 434.84 | -123.43 | 558.26 |
| 56 | 426.13 | 456.87 | -164.11 | 620.98 |
| 57 | 431.71 | 395.06 | -204.79 | 599.85 |
| 58 | 437.30 | 264.00 | -269.76 | 533.76 |

C256 (LC1) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 74.47 | -392.19 | 466.66 |
| 60 | 448.46 | 76.20 | -583.08 | 659.28 |
| 61 | 455.32 | 93.35 | -294.03 | 387.38 |
| 62 | 462.18 | 353.51 | -136.73 | 490.24 |
| 63 | 469.04 | 505.48 | -108.23 | 613.71 |
| 64 | 475.89 | 599.46 | -84.04 | 683.50 |
| 65 | 482.75 | 643.07 | -122.10 | 765.17 |
| 66 | 489.61 | 647.75 | -169.08 | 816.83 |
| 67 | 496.47 | 551.26 | -216.06 | 767.32 |
| 68 | 503.32 | 352.48 | -268.51 | 620.99 |
| 69 | 510.18 | 94.64 | -438.97 | 533.61 |
| 70 | 517.04 | 62.88 | -732.64 | 795.52 |
| 71 | 523.88 | 56.15 | -399.10 | 455.26 |
| 72 | 530.72 | 324.23 | -231.48 | 555.70 |
| 73 | 537.56 | 499.08 | -184.63 | 683.71 |
| 74 | 544.40 | 589.16 | -143.33 | 732.49 |
| 75 | 551.24 | 606.99 | -102.04 | 709.04 |
| 76 | 558.08 | 597.92 | -136.06 | 733.98 |
| 77 | 564.92 | 508.48 | -174.44 | 682.92 |
| 78 | 571.76 | 317.08 | -219.43 | 536.51 |
| 79 | 578.60 | 87.59 | -375.02 | 462.62 |
| 80 | 585.43 | 71.60 | -660.83 | 732.43 |
| 81 | 591.02 | 62.97 | -418.89 | 481.86 |
| 82 | 596.60 | 256.28 | -259.93 | 516.21 |
| 83 | 602.19 | 427.37 | -203.84 | 631.21 |
| 84 | 607.77 | 519.42 | -169.35 | 688.77 |
| 85 | 613.35 | 555.47 | -138.25 | 693.71 |
| 86 | 618.94 | 512.44 | -148.77 | 661.21 |
| 87 | 624.52 | 465.49 | -190.88 | 656.37 |
| 88 | 630.10 | 359.26 | -239.05 | 598.31 |
| 89 | 635.69 | 210.83 | -287.22 | 498.05 |
| 90 | 641.27 | 36.46 | -389.75 | 426.21 |
| 91 | 647.26 | 2.54 | -0.51 | 3.05 |

C256 (LC1) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 55.87 | 59.23 |
| 53 | 409.38 | 37.31 | 40.66 |
| 54 | 414.97 | 25.25 | 34.86 |
| 55 | 420.55 | 25.60 | 41.43 |
| 56 | 426.13 | -27.66 | 41.55 |
| 57 | 431.72 | -40.10 | 44.12 |
| 58 | 437.30 | -43.60 | 44.72 |
| 59 | 442.88 | -57.42 | 58.54 |
| 60 | 448.46L | -65.46 | 66.58 |
| 60 | 448.46R | 67.75 | 70.46 |
| 61 | 455.32 | 57.47 | 60.18 |
| 62 | 462.18 | 44.47 | 48.94 |
| 63 | 469.04 | 42.51 | 48.53 |
| 64 | 475.89 | 28.41 | 50.97 |
| 65 | 482.75 | -35.71 | 68.74 |
| 66 | 489.61 | -29.73 | 49.20 |
| 67 | 496.47 | -40.64 | 47.82 |
| 68 | 503.32 | -44.86 | 48.72 |
| 69 | 510.18 | -57.82 | 59.25 |
| 70 | 517.04L | -72.84 | 74.27 |
| 70 | 517.04R | 73.85 | 76.08 |
| 71 | 523.93 | 63.42 | 65.65 |
| 72 | 530.82 | 46.02 | 52.10 |
| 73 | 537.70 | 39.94 | 46.34 |
| 74 | 544.59 | 30.07 | 50.52 |
| 75 | 551.48 | -30.77 | 50.48 |
| 76 | 558.37 | -28.80 | 48.15 |
| 77 | 565.26 | -40.26 | 46.78 |
| 78 | 572.14 | -44.10 | 47.75 |
| 79 | 579.03 | -56.62 | 59.13 |
| 80 | 585.92L | -70.36 | 72.87 |
| 80 | 585.92R | 72.73 | 76.43 |
| 81 | 591.44 | 63.28 | 66.98 |
| 82 | 596.95 | 51.48 | 55.19 |
| 83 | 602.47 | 44.38 | 52.64 |
| 84 | 607.98 | 38.85 | 53.83 |
| 85 | 613.50 | 26.53 | 47.94 |
| 86 | 619.02 | -32.52 | 49.18 |
| 87 | 624.53 | -30.63 | 44.74 |
| 88 | 630.05 | -41.13 | 45.36 |
| 89 | 635.57 | -51.60 | 54.74 |
| 90 | 641.08L | -61.58 | 64.71 |
| 90 | 641.08R | 64.99 | 68.08 |
| 91 | 647.14 | 59.53 | 62.12 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 90.90 | -5.71 | 96.61 |
| 53 | 409.38 | 296.89 | -24.72 | 321.61 |
| 54 | 414.97 | 398.21 | -43.72 | 441.93 |
| 55 | 420.55 | 368.27 | -68.78 | 437.05 |
| 56 | 426.13 | 391.41 | -99.11 | 490.52 |
| 57 | 431.72 | 329.14 | -129.44 | 458.58 |
| 58 | 437.30 | 215.41 | -191.66 | 407.06 |

C256 (LC1) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 47.50 | -302.85 | 350.34 |
| 60 | 448.46 | 42.32 | -470.72 | 513.04 |
| 61 | 455.32 | 86.12 | -256.34 | 342.45 |
| 62 | 462.18 | 289.24 | -111.99 | 401.23 |
| 63 | 469.04 | 390.84 | -73.84 | 464.68 |
| 64 | 475.89 | 456.71 | -49.50 | 506.20 |
| 65 | 482.75 | 444.71 | -55.63 | 500.35 |
| 66 | 489.61 | 480.27 | -93.77 | 574.04 |
| 67 | 496.47 | 409.56 | -131.93 | 541.50 |
| 68 | 503.32 | 265.50 | -186.53 | 452.02 |
| 69 | 510.18 | 69.50 | -360.43 | 429.92 |
| 70 | 517.04 | 35.92 | -595.20 | 631.13 |
| 71 | 523.93 | 55.80 | -329.88 | 385.68 |
| 72 | 530.82 | 271.03 | -163.45 | 434.48 |
| 73 | 537.70 | 392.46 | -114.30 | 506.76 |
| 74 | 544.59 | 453.70 | -79.90 | 533.60 |
| 75 | 551.48 | 436.61 | -45.42 | 482.02 |
| 76 | 558.37 | 462.44 | -73.42 | 535.85 |
| 77 | 565.26 | 388.43 | -104.53 | 492.97 |
| 78 | 572.14 | 234.39 | -151.37 | 385.76 |
| 79 | 579.03 | 47.14 | -324.83 | 371.97 |
| 80 | 585.92 | 45.05 | -568.05 | 613.10 |
| 81 | 591.44 | 39.32 | -370.18 | 409.49 |
| 82 | 596.95 | 223.12 | -231.15 | 454.27 |
| 83 | 602.47 | 350.84 | -159.00 | 509.84 |
| 84 | 607.98 | 417.02 | -121.72 | 538.74 |
| 85 | 613.50 | 452.53 | -93.71 | 546.24 |
| 86 | 619.02 | 412.68 | -89.68 | 502.35 |
| 87 | 624.53 | 353.10 | -122.88 | 475.97 |
| 88 | 630.05 | 275.34 | -171.67 | 447.01 |
| 89 | 635.57 | 138.81 | -230.32 | 369.14 |
| 90 | 641.08 | 18.38 | -332.88 | 351.26 |
| 91 | 647.14 | 1.25 | -0.03 | 1.28 |

C256 (LC1) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 57.38 | 63.72 |
| 53 | 409.40 | 40.12 | 46.46 |
| 54 | 414.98 | 29.02 | 39.76 |
| 55 | 420.56 | 23.25 | 41.93 |
| 56 | 426.14 | -30.19 | 42.68 |
| 57 | 431.72 | -41.68 | 44.83 |
| 58 | 437.30 | -48.44 | 50.35 |
| 59 | 442.88 | -60.70 | 62.62 |
| 60 | 448.46L | -67.60 | 69.52 |
| 60 | 448.46R | 75.52 | 81.91 |
| 61 | 455.32 | 67.28 | 73.66 |
| 62 | 462.18 | 55.81 | 62.19 |
| 63 | 469.04 | 47.61 | 53.73 |
| 64 | 475.90 | 33.96 | 54.66 |
| 65 | 482.76 | -31.75 | 60.83 |
| 66 | 489.62 | -35.59 | 52.68 |
| 67 | 496.48 | -45.91 | 50.59 |
| 68 | 503.34 | -55.04 | 58.10 |
| 69 | 510.20 | -66.27 | 69.33 |
| 70 | 517.06L | -78.06 | 81.11 |
| 70 | 517.06R | 82.96 | 87.79 |
| 71 | 523.99 | 74.69 | 79.52 |
| 72 | 530.93 | 58.41 | 63.24 |
| 73 | 537.87 | 46.10 | 51.08 |
| 74 | 544.81 | 34.63 | 53.17 |
| 75 | 551.75 | 28.71 | 52.40 |
| 76 | 558.68 | -34.41 | 51.81 |
| 77 | 565.62 | -45.48 | 51.49 |
| 78 | 572.56 | -55.60 | 61.01 |
| 79 | 579.50 | -66.43 | 71.83 |
| 80 | 586.44L | -79.55 | 84.96 |
| 80 | 586.44R | 79.45 | 86.56 |
| 81 | 591.88 | 72.57 | 79.68 |
| 82 | 597.33 | 60.16 | 67.27 |
| 83 | 602.78 | 46.39 | 53.85 |
| 84 | 608.23 | 42.13 | 54.43 |
| 85 | 613.67 | 30.70 | 53.32 |
| 86 | 619.12 | -31.90 | 50.75 |
| 87 | 624.57 | -33.66 | 46.61 |
| 88 | 630.02 | -42.16 | 48.62 |
| 89 | 635.46 | -51.52 | 57.98 |
| 90 | 640.91L | -67.60 | 74.07 |
| 90 | 640.91R | 77.15 | 83.60 |
| 91 | 647.03 | 66.56 | 72.18 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 95.75 | -10.96 | 106.72 |
| 53 | 409.40 | 321.61 | -47.16 | 368.77 |
| 54 | 414.98 | 446.72 | -83.36 | 530.08 |
| 55 | 420.56 | 434.90 | -121.68 | 556.58 |
| 56 | 426.14 | 456.96 | -161.79 | 618.76 |
| 57 | 431.72 | 395.36 | -201.90 | 597.26 |
| 58 | 437.30 | 264.08 | -271.01 | 535.09 |

C256 (LC1) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 74.19 | -393.54 | 467.73 |
| 60 | 448.46 | 83.61 | -584.86 | 668.47 |
| 61 | 455.32 | 96.63 | -294.79 | 391.42 |
| 62 | 462.18 | 347.95 | -136.91 | 484.85 |
| 63 | 469.04 | 502.78 | -108.45 | 611.23 |
| 64 | 475.90 | 601.23 | -91.16 | 692.39 |
| 65 | 482.76 | 645.78 | -133.66 | 779.44 |
| 66 | 489.62 | 651.95 | -185.51 | 837.46 |
| 67 | 496.48 | 556.73 | -237.38 | 794.11 |
| 68 | 503.34 | 358.66 | -295.42 | 654.07 |
| 69 | 510.20 | 101.56 | -469.70 | 571.26 |
| 70 | 517.06 | 65.22 | -764.16 | 829.38 |
| 71 | 523.99 | 49.02 | -409.24 | 458.26 |
| 72 | 530.93 | 331.50 | -230.33 | 561.82 |
| 73 | 537.87 | 522.42 | -185.34 | 707.76 |
| 74 | 544.81 | 615.79 | -143.57 | 759.36 |
| 75 | 551.75 | 635.00 | -101.80 | 736.79 |
| 76 | 558.68 | 615.88 | -131.25 | 747.12 |
| 77 | 565.62 | 515.65 | -167.59 | 683.23 |
| 78 | 572.56 | 302.33 | -208.61 | 510.94 |
| 79 | 579.50 | 56.09 | -400.07 | 456.16 |
| 80 | 586.44 | 84.60 | -724.08 | 808.68 |
| 81 | 591.88 | 75.29 | -488.18 | 563.47 |
| 82 | 597.33 | 269.16 | -329.33 | 598.49 |
| 83 | 602.78 | 437.80 | -261.83 | 699.63 |
| 84 | 608.23 | 525.47 | -218.69 | 744.16 |
| 85 | 613.67 | 556.13 | -179.82 | 735.95 |
| 86 | 619.12 | 515.58 | -159.43 | 675.02 |
| 87 | 624.57 | 466.47 | -199.46 | 665.93 |
| 88 | 630.02 | 351.97 | -245.25 | 597.22 |
| 89 | 635.46 | 192.18 | -297.83 | 490.00 |
| 90 | 640.91 | 39.51 | -402.98 | 442.49 |
| 91 | 647.03 | 5.45 | -0.50 | 5.96 |

C256 (LC2) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.79 | 59.17 | 65.68 |
| 53 | 409.37 | 44.16 | 50.67 |
| 54 | 414.96 | 30.58 | 42.24 |
| 55 | 420.54 | 22.41 | 41.42 |
| 56 | 426.13 | -30.01 | 42.69 |
| 57 | 431.71 | -41.21 | 46.02 |
| 58 | 437.30 | -47.62 | 49.39 |
| 59 | 442.88 | -59.77 | 61.53 |
| 60 | 448.46L | -67.79 | 69.55 |
| 60 | 448.46R | 75.81 | 81.70 |
| 61 | 455.32 | 68.64 | 74.53 |
| 62 | 462.18 | 51.13 | 57.01 |
| 63 | 469.04 | 47.01 | 53.47 |
| 64 | 475.89 | 33.45 | 55.11 |
| 65 | 482.75 | 28.25 | 54.71 |
| 66 | 489.61 | -35.01 | 54.77 |
| 67 | 496.47 | -45.05 | 50.83 |
| 68 | 503.32 | -53.68 | 56.67 |
| 69 | 510.18 | -64.86 | 67.85 |
| 70 | 517.04L | -78.52 | 81.52 |
| 70 | 517.04R | 79.84 | 84.72 |
| 71 | 523.88 | 71.22 | 76.10 |
| 72 | 530.72 | 56.28 | 61.16 |
| 73 | 537.56 | 45.12 | 50.44 |
| 74 | 544.40 | 34.03 | 53.31 |
| 75 | 551.24 | -33.43 | 63.41 |
| 76 | 558.08 | -33.43 | 52.38 |
| 77 | 564.92 | -44.13 | 50.09 |
| 78 | 571.76 | -51.81 | 56.91 |
| 79 | 578.60 | -62.50 | 67.60 |
| 80 | 585.43L | -76.41 | 81.51 |
| 80 | 585.43R | 77.38 | 84.03 |
| 81 | 591.02 | 69.14 | 75.78 |
| 82 | 596.60 | 56.98 | 63.63 |
| 83 | 602.19 | 45.86 | 54.00 |
| 84 | 607.77 | 39.28 | 55.73 |
| 85 | 613.35 | 27.16 | 48.26 |
| 86 | 618.94 | -29.98 | 48.43 |
| 87 | 624.52 | -33.40 | 46.20 |
| 88 | 630.10 | -43.58 | 48.32 |
| 89 | 635.69 | -52.54 | 57.28 |
| 90 | 641.27L | -63.04 | 67.78 |
| 90 | 641.27R | 72.66 | 78.88 |
| 91 | 647.26 | 65.43 | 71.65 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.79 | 95.66 | -11.15 | 106.81 |
| 53 | 409.37 | 319.82 | -48.55 | 368.36 |
| 54 | 414.96 | 457.12 | -85.94 | 543.06 |
| 55 | 420.54 | 434.49 | -125.42 | 559.91 |
| 56 | 426.13 | 456.66 | -166.73 | 623.39 |
| 57 | 431.71 | 394.85 | -208.05 | 602.90 |
| 58 | 437.30 | 250.98 | -280.58 | 531.56 |
| 59 | 442.88 | 75.29 | -388.43 | 463.71 |

C256 (LC2) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 77.59 | -561.90 | 639.49 |
| 61 | 455.32 | 93.33 | -288.44 | 381.77 |
| 62 | 462.18 | 350.35 | -135.23 | 485.58 |
| 63 | 469.04 | 508.54 | -107.23 | 615.76 |
| 64 | 475.89 | 608.78 | -84.88 | 693.66 |
| 65 | 482.75 | 652.04 | -124.39 | 776.43 |
| 66 | 489.61 | 653.54 | -172.17 | 825.71 |
| 67 | 496.47 | 553.68 | -219.96 | 773.64 |
| 68 | 503.32 | 351.84 | -273.26 | 625.10 |
| 69 | 510.18 | 95.67 | -439.55 | 535.22 |
| 70 | 517.04 | 63.85 | -710.96 | 774.80 |
| 71 | 523.88 | 54.93 | -396.28 | 451.21 |
| 72 | 530.72 | 321.73 | -234.19 | 555.91 |
| 73 | 537.56 | 502.88 | -186.83 | 689.70 |
| 74 | 544.40 | 598.03 | -145.05 | 743.08 |
| 75 | 551.24 | 615.55 | -103.29 | 718.85 |
| 76 | 558.08 | 602.82 | -138.16 | 740.99 |
| 77 | 564.92 | 510.59 | -177.10 | 687.68 |
| 78 | 571.76 | 314.98 | -222.69 | 537.67 |
| 79 | 578.60 | 83.46 | -369.88 | 453.34 |
| 80 | 585.43 | 72.46 | -635.50 | 707.96 |
| 81 | 591.02 | 63.73 | -409.44 | 473.17 |
| 82 | 596.60 | 256.67 | -268.64 | 525.31 |
| 83 | 602.19 | 427.20 | -206.69 | 633.88 |
| 84 | 607.77 | 524.80 | -171.74 | 696.53 |
| 85 | 613.35 | 562.56 | -140.21 | 702.77 |
| 86 | 618.94 | 522.34 | -150.41 | 672.75 |
| 87 | 624.52 | 472.74 | -192.95 | 665.69 |
| 88 | 630.10 | 364.45 | -241.59 | 606.04 |
| 89 | 635.69 | 212.85 | -290.24 | 503.09 |
| 90 | 641.27 | 37.06 | -387.27 | 424.33 |
| 91 | 647.26 | 2.52 | -0.52 | 3.04 |

C256 (LC2) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 56.41 | 59.78 |
| 53 | 409.38 | 40.36 | 44.00 |
| 54 | 414.97 | 26.42 | 36.57 |
| 55 | 420.55 | 24.64 | 40.73 |
| 56 | 426.13 | -27.51 | 41.61 |
| 57 | 431.72 | -39.74 | 45.56 |
| 58 | 437.30 | -42.76 | 44.37 |
| 59 | 442.88 | -56.55 | 57.67 |
| 60 | 448.46L | -64.16 | 65.29 |
| 60 | 448.46R | 67.01 | 69.75 |
| 61 | 455.32 | 58.16 | 60.89 |
| 62 | 462.18 | 40.43 | 46.14 |
| 63 | 469.04 | 41.95 | 49.59 |
| 64 | 475.89 | 27.98 | 51.19 |
| 65 | 482.75 | -36.26 | 69.60 |
| 66 | 489.61 | -29.69 | 51.99 |
| 67 | 496.47 | -40.37 | 48.31 |
| 68 | 503.32 | -44.03 | 46.47 |
| 69 | 510.18 | -56.87 | 58.26 |
| 70 | 517.04L | -71.73 | 73.12 |
| 70 | 517.04R | 72.87 | 75.14 |
| 71 | 523.93 | 62.35 | 64.62 |
| 72 | 530.82 | 46.12 | 48.81 |
| 73 | 537.70 | 39.92 | 46.69 |
| 74 | 544.59 | 29.98 | 51.09 |
| 75 | 551.48 | -31.00 | 50.98 |
| 76 | 558.37 | -28.65 | 48.56 |
| 77 | 565.26 | -40.00 | 46.70 |
| 78 | 572.14 | -43.17 | 46.84 |
| 79 | 579.03 | -55.47 | 57.99 |
| 80 | 585.92L | -69.73 | 72.26 |
| 80 | 585.92R | 71.55 | 75.23 |
| 81 | 591.44 | 63.29 | 66.97 |
| 82 | 596.95 | 50.59 | 54.27 |
| 83 | 602.47 | 40.74 | 50.04 |
| 84 | 607.98 | 38.67 | 53.94 |
| 85 | 613.50 | 26.52 | 47.40 |
| 86 | 619.02 | -31.96 | 49.62 |
| 87 | 624.53 | -29.74 | 44.36 |
| 88 | 630.05 | -40.47 | 44.52 |
| 89 | 635.57 | -51.06 | 54.21 |
| 90 | 641.08L | -61.80 | 64.94 |
| 90 | 641.08R | 63.39 | 66.50 |
| 91 | 647.14 | 59.36 | 61.97 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 91.87 | -5.79 | 97.66 |
| 53 | 409.38 | 296.71 | -25.08 | 321.79 |
| 54 | 414.97 | 404.65 | -44.37 | 449.02 |
| 55 | 420.55 | 372.17 | -69.74 | 441.91 |
| 56 | 426.13 | 390.97 | -100.40 | 491.37 |
| 57 | 431.72 | 328.79 | -131.06 | 459.85 |
| 58 | 437.30 | 202.16 | -198.57 | 400.74 |
| 59 | 442.88 | 46.70 | -297.51 | 344.21 |

C256 (LC2) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 42.99 | -449.82 | 492.81 |
| 61 | 455.32 | 86.05 | -251.16 | 337.21 |
| 62 | 462.18 | 284.83 | -111.28 | 396.11 |
| 63 | 469.04 | 391.72 | -72.22 | 463.94 |
| 64 | 475.89 | 459.41 | -48.69 | 508.09 |
| 65 | 482.75 | 448.62 | -56.70 | 505.32 |
| 66 | 489.61 | 482.51 | -95.28 | 577.78 |
| 67 | 496.47 | 410.16 | -133.87 | 544.02 |
| 68 | 503.32 | 264.37 | -188.97 | 453.34 |
| 69 | 510.18 | 70.38 | -358.86 | 429.24 |
| 70 | 517.04 | 36.43 | -574.64 | 611.07 |
| 71 | 523.93 | 55.05 | -326.26 | 381.31 |
| 72 | 530.82 | 267.82 | -164.97 | 432.79 |
| 73 | 537.70 | 393.62 | -115.47 | 509.09 |
| 74 | 544.59 | 457.41 | -80.79 | 538.20 |
| 75 | 551.48 | 440.43 | -46.01 | 486.44 |
| 76 | 558.37 | 464.30 | -74.49 | 538.78 |
| 77 | 565.26 | 388.75 | -105.93 | 494.67 |
| 78 | 572.14 | 231.46 | -156.07 | 387.53 |
| 79 | 579.03 | 43.36 | -317.22 | 360.58 |
| 80 | 585.92 | 45.53 | -544.15 | 589.68 |
| 81 | 591.44 | 39.74 | -360.47 | 400.21 |
| 82 | 596.95 | 222.88 | -238.12 | 461.00 |
| 83 | 602.47 | 352.07 | -160.66 | 512.73 |
| 84 | 607.98 | 419.71 | -123.08 | 542.79 |
| 85 | 613.50 | 455.87 | -94.81 | 550.68 |
| 86 | 619.02 | 418.70 | -89.26 | 507.96 |
| 87 | 624.53 | 357.01 | -122.21 | 479.23 |
| 88 | 630.05 | 273.86 | -170.56 | 444.42 |
| 89 | 635.57 | 139.23 | -237.08 | 376.31 |
| 90 | 641.08 | 18.66 | -323.58 | 342.24 |
| 91 | 647.14 | 1.25 | -0.03 | 1.28 |

C256 (LC2) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.82 | 59.11 | 65.51 |
| 53 | 409.40 | 44.07 | 50.47 |
| 54 | 414.98 | 30.50 | 42.22 |
| 55 | 420.56 | 23.20 | 42.30 |
| 56 | 426.14 | -30.10 | 42.76 |
| 57 | 431.72 | -41.26 | 46.04 |
| 58 | 437.30 | -47.71 | 49.64 |
| 59 | 442.88 | -59.86 | 61.79 |
| 60 | 448.46L | -67.95 | 69.88 |
| 60 | 448.46R | 75.86 | 82.30 |
| 61 | 455.32 | 68.70 | 75.14 |
| 62 | 462.18 | 51.23 | 57.67 |
| 63 | 469.04 | 47.10 | 53.58 |
| 64 | 475.90 | 33.55 | 55.56 |
| 65 | 482.76 | -32.51 | 61.63 |
| 66 | 489.62 | -35.62 | 55.38 |
| 67 | 496.48 | -45.65 | 51.27 |
| 68 | 503.34 | -54.40 | 57.36 |
| 69 | 510.20 | -65.44 | 68.41 |
| 70 | 517.06L | -77.03 | 79.99 |
| 70 | 517.06R | 82.20 | 87.12 |
| 71 | 523.99 | 73.73 | 78.65 |
| 72 | 530.93 | 58.77 | 63.70 |
| 73 | 537.87 | 46.79 | 52.22 |
| 74 | 544.81 | 35.48 | 54.40 |
| 75 | 551.75 | 29.27 | 53.59 |
| 76 | 558.68 | -34.28 | 52.88 |
| 77 | 565.62 | -45.18 | 51.44 |
| 78 | 572.56 | -54.90 | 60.33 |
| 79 | 579.50 | -66.30 | 71.73 |
| 80 | 586.44L | -79.07 | 84.50 |
| 80 | 586.44R | 78.14 | 85.35 |
| 81 | 591.88 | 72.08 | 79.29 |
| 82 | 597.33 | 60.36 | 67.58 |
| 83 | 602.78 | 46.92 | 56.10 |
| 84 | 608.23 | 41.96 | 55.27 |
| 85 | 613.67 | 30.79 | 52.67 |
| 86 | 619.12 | -31.09 | 51.16 |
| 87 | 624.57 | -32.73 | 46.61 |
| 88 | 630.02 | -41.35 | 47.86 |
| 89 | 635.46 | -51.29 | 57.79 |
| 90 | 640.91L | -62.32 | 68.83 |
| 90 | 640.91R | 75.93 | 82.45 |
| 91 | 647.03 | 67.26 | 72.94 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.82 | 96.99 | -11.14 | 108.14 |
| 53 | 409.40 | 320.62 | -47.94 | 368.56 |
| 54 | 414.98 | 456.87 | -84.73 | 541.60 |
| 55 | 420.56 | 434.55 | -123.67 | 558.21 |
| 56 | 426.14 | 456.75 | -164.40 | 621.16 |
| 57 | 431.72 | 395.15 | -205.14 | 600.29 |
| 58 | 437.30 | 250.98 | -281.93 | 532.91 |

C256 (LC2) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 75.28 | -389.81 | 465.09 |
| 60 | 448.46 | 85.02 | -563.67 | 648.69 |
| 61 | 455.32 | 96.24 | -289.12 | 385.36 |
| 62 | 462.18 | 346.23 | -135.34 | 481.57 |
| 63 | 469.04 | 505.81 | -107.38 | 613.19 |
| 64 | 475.90 | 610.57 | -92.74 | 703.32 |
| 65 | 482.76 | 654.80 | -135.96 | 790.76 |
| 66 | 489.62 | 657.80 | -188.64 | 846.44 |
| 67 | 496.48 | 559.21 | -241.33 | 800.54 |
| 68 | 503.34 | 358.07 | -300.25 | 658.32 |
| 69 | 510.20 | 102.63 | -467.84 | 570.47 |
| 70 | 517.06 | 66.30 | -745.91 | 812.21 |
| 71 | 523.99 | 48.12 | -406.58 | 454.70 |
| 72 | 530.93 | 330.58 | -233.03 | 563.60 |
| 73 | 537.87 | 525.97 | -187.55 | 713.53 |
| 74 | 544.81 | 624.65 | -145.31 | 769.95 |
| 75 | 551.75 | 643.53 | -103.06 | 746.58 |
| 76 | 558.68 | 620.57 | -133.44 | 754.01 |
| 77 | 565.62 | 517.19 | -170.35 | 687.54 |
| 78 | 572.56 | 300.93 | -211.98 | 512.91 |
| 79 | 579.50 | 57.07 | -390.60 | 447.67 |
| 80 | 586.44 | 85.61 | -698.58 | 784.19 |
| 81 | 591.88 | 76.19 | -479.76 | 555.95 |
| 82 | 597.33 | 269.90 | -340.49 | 610.39 |
| 83 | 602.78 | 441.45 | -264.86 | 706.31 |
| 84 | 608.23 | 531.42 | -221.25 | 752.68 |
| 85 | 613.67 | 564.14 | -181.94 | 746.09 |
| 86 | 619.12 | 528.53 | -162.22 | 690.75 |
| 87 | 624.57 | 475.94 | -202.93 | 678.86 |
| 88 | 630.02 | 355.63 | -249.47 | 605.10 |
| 89 | 635.46 | 196.08 | -312.53 | 508.61 |
| 90 | 640.91 | 40.21 | -400.41 | 440.62 |
| 91 | 647.03 | 5.45 | -0.51 | 5.96 |

C256 (LC3) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.79 | 57.41 | 63.99 |
| 53 | 409.37 | 40.21 | 47.08 |
| 54 | 414.96 | 28.60 | 40.76 |
| 55 | 420.54 | 23.37 | 42.48 |
| 56 | 426.13 | -29.84 | 42.19 |
| 57 | 431.71 | -40.62 | 43.88 |
| 58 | 437.30 | -46.81 | 48.59 |
| 59 | 442.88 | -58.90 | 60.68 |
| 60 | 448.46L | -67.95 | 69.73 |
| 60 | 448.46R | 75.21 | 81.18 |
| 61 | 455.32 | 66.34 | 72.31 |
| 62 | 462.18 | 54.16 | 60.13 |
| 63 | 469.04 | 46.30 | 54.10 |
| 64 | 475.89 | 33.10 | 55.64 |
| 65 | 482.75 | -28.19 | 55.06 |
| 66 | 489.61 | -34.85 | 54.89 |
| 67 | 496.47 | -44.64 | 51.25 |
| 68 | 503.32 | -52.98 | 56.06 |
| 69 | 510.18 | -64.09 | 67.17 |
| 70 | 517.04L | -77.64 | 80.71 |
| 70 | 517.04R | 79.04 | 84.02 |
| 71 | 523.88 | 70.85 | 75.83 |
| 72 | 530.72 | 56.41 | 61.39 |
| 73 | 537.56 | 45.61 | 52.33 |
| 74 | 544.40 | 34.73 | 54.79 |
| 75 | 551.24 | -33.28 | 63.55 |
| 76 | 558.08 | -33.28 | 52.95 |
| 77 | 564.92 | -43.67 | 50.71 |
| 78 | 571.76 | -50.73 | 55.89 |
| 79 | 578.60 | -61.69 | 66.84 |
| 80 | 585.43L | -75.96 | 81.12 |
| 80 | 585.43R | 76.20 | 82.84 |
| 81 | 591.02 | 69.24 | 75.88 |
| 82 | 596.60 | 57.02 | 63.65 |
| 83 | 602.19 | 45.16 | 54.80 |
| 84 | 607.77 | 39.91 | 55.98 |
| 85 | 613.35 | 27.13 | 47.49 |
| 86 | 618.94 | -29.25 | 46.73 |
| 87 | 624.52 | -32.58 | 45.82 |
| 88 | 630.10 | -42.89 | 47.93 |
| 89 | 635.69 | -51.94 | 56.71 |
| 90 | 641.27L | -63.15 | 67.92 |
| 90 | 641.27R | 72.93 | 79.22 |
| 91 | 647.26 | 64.54 | 70.83 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.79 | 94.37 | -11.35 | 105.72 |
| 53 | 409.37 | 321.19 | -49.42 | 370.61 |
| 54 | 414.96 | 447.96 | -87.48 | 535.44 |
| 55 | 420.54 | 434.10 | -127.65 | 561.75 |
| 56 | 426.13 | 456.33 | -169.67 | 626.00 |
| 57 | 431.71 | 394.49 | -221.26 | 615.75 |
| 58 | 437.30 | 264.11 | -290.14 | 554.25 |
| 59 | 442.88 | 78.94 | -384.40 | 463.34 |

C256 (LC3) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 79.54 | -539.11 | 618.65 |
| 61 | 455.32 | 92.08 | -280.98 | 373.06 |
| 62 | 462.18 | 347.39 | -136.54 | 483.93 |
| 63 | 469.04 | 511.99 | -108.05 | 620.04 |
| 64 | 475.89 | 616.97 | -87.07 | 704.04 |
| 65 | 482.75 | 659.12 | -127.59 | 786.71 |
| 66 | 489.61 | 659.93 | -176.49 | 836.42 |
| 67 | 496.47 | 556.90 | -225.39 | 782.29 |
| 68 | 503.32 | 351.22 | -279.87 | 631.09 |
| 69 | 510.18 | 97.16 | -436.87 | 534.04 |
| 70 | 517.04 | 64.70 | -686.32 | 751.02 |
| 71 | 523.88 | 53.88 | -393.38 | 447.26 |
| 72 | 530.72 | 320.51 | -237.76 | 558.27 |
| 73 | 537.56 | 508.19 | -189.72 | 697.91 |
| 74 | 544.40 | 605.20 | -147.33 | 752.53 |
| 75 | 551.24 | 622.31 | -104.94 | 727.26 |
| 76 | 558.08 | 608.39 | -140.01 | 748.41 |
| 77 | 564.92 | 513.05 | -179.44 | 692.49 |
| 78 | 571.76 | 313.11 | -225.57 | 538.68 |
| 79 | 578.60 | 78.39 | -363.64 | 442.03 |
| 80 | 585.43 | 73.59 | -609.98 | 683.57 |
| 81 | 591.02 | 64.72 | -397.64 | 462.36 |
| 82 | 596.60 | 257.04 | -278.00 | 535.04 |
| 83 | 602.19 | 430.15 | -209.98 | 640.13 |
| 84 | 607.77 | 529.53 | -174.50 | 704.04 |
| 85 | 613.35 | 568.83 | -142.49 | 711.32 |
| 86 | 618.94 | 533.31 | -150.59 | 683.90 |
| 87 | 624.52 | 480.78 | -193.14 | 673.92 |
| 88 | 630.10 | 379.03 | -241.77 | 620.79 |
| 89 | 635.69 | 219.82 | -299.82 | 519.65 |
| 90 | 641.27 | 37.71 | -385.09 | 422.81 |
| 91 | 647.26 | 2.50 | -0.53 | 3.02 |

C256 (LC3) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 55.82 | 59.24 |
| 53 | 409.38 | 36.77 | 41.16 |
| 54 | 414.97 | 24.67 | 35.07 |
| 55 | 420.55 | 26.28 | 42.34 |
| 56 | 426.13 | -28.33 | 42.02 |
| 57 | 431.72 | -39.27 | 43.26 |
| 58 | 437.30 | -41.87 | 43.15 |
| 59 | 442.88 | -55.70 | 56.83 |
| 60 | 448.46L | -65.47 | 66.60 |
| 60 | 448.46R | 67.38 | 70.14 |
| 61 | 455.32 | 56.27 | 59.04 |
| 62 | 462.18 | 42.43 | 49.24 |
| 63 | 469.04 | 41.23 | 49.18 |
| 64 | 475.89 | 27.60 | 51.29 |
| 65 | 482.75 | -36.55 | 70.00 |
| 66 | 489.61 | -29.51 | 51.76 |
| 67 | 496.47 | -39.99 | 48.55 |
| 68 | 503.32 | -43.12 | 46.19 |
| 69 | 510.18 | -55.97 | 57.40 |
| 70 | 517.04L | -70.67 | 72.10 |
| 70 | 517.04R | 71.94 | 74.25 |
| 71 | 523.93 | 61.84 | 64.15 |
| 72 | 530.82 | 46.03 | 49.18 |
| 73 | 537.70 | 40.43 | 47.60 |
| 74 | 544.59 | 29.83 | 51.35 |
| 75 | 551.48 | -31.10 | 51.19 |
| 76 | 558.37 | -28.50 | 48.85 |
| 77 | 565.26 | -39.79 | 47.54 |
| 78 | 572.14 | -41.95 | 45.45 |
| 79 | 579.03 | -57.51 | 60.06 |
| 80 | 585.92L | -69.22 | 71.78 |
| 80 | 585.92R | 70.42 | 74.13 |
| 81 | 591.44 | 62.82 | 66.53 |
| 82 | 596.95 | 50.49 | 54.20 |
| 83 | 602.47 | 39.78 | 49.85 |
| 84 | 607.98 | 38.97 | 53.80 |
| 85 | 613.50 | 26.40 | 46.73 |
| 86 | 619.02 | -31.43 | 47.25 |
| 87 | 624.53 | -28.93 | 43.80 |
| 88 | 630.05 | -39.85 | 44.83 |
| 89 | 635.57 | -50.57 | 53.74 |
| 90 | 641.08L | -62.09 | 65.27 |
| 90 | 641.08R | 61.95 | 65.08 |
| 91 | 647.14 | 59.21 | 61.84 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 90.81 | -5.89 | 96.70 |
| 53 | 409.38 | 296.51 | -25.51 | 322.02 |
| 54 | 414.97 | 397.82 | -45.13 | 442.94 |
| 55 | 420.55 | 367.15 | -70.86 | 438.01 |
| 56 | 426.13 | 390.48 | -101.90 | 492.38 |
| 57 | 431.72 | 328.35 | -139.48 | 467.82 |
| 58 | 437.30 | 214.70 | -204.09 | 418.79 |
| 59 | 442.88 | 49.63 | -291.66 | 341.29 |

C256 (LC3) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 43.95 | -429.62 | 473.57 |
| 61 | 455.32 | 85.20 | -244.62 | 329.82 |
| 62 | 462.18 | 280.37 | -117.39 | 397.76 |
| 63 | 469.04 | 392.81 | -73.87 | 466.68 |
| 64 | 475.89 | 462.43 | -49.46 | 511.90 |
| 65 | 482.75 | 451.72 | -58.24 | 509.96 |
| 66 | 489.61 | 484.99 | -97.42 | 582.41 |
| 67 | 496.47 | 411.01 | -136.62 | 547.63 |
| 68 | 503.32 | 263.40 | -194.82 | 458.22 |
| 69 | 510.18 | 72.10 | -354.46 | 426.56 |
| 70 | 517.04 | 36.88 | -551.44 | 588.32 |
| 71 | 523.93 | 54.45 | -321.21 | 375.67 |
| 72 | 530.82 | 264.64 | -166.96 | 431.60 |
| 73 | 537.70 | 395.35 | -117.02 | 512.37 |
| 74 | 544.59 | 460.38 | -81.96 | 542.34 |
| 75 | 551.48 | 443.09 | -46.81 | 489.90 |
| 76 | 558.37 | 466.45 | -75.44 | 541.89 |
| 77 | 565.26 | 389.26 | -107.15 | 496.41 |
| 78 | 572.14 | 230.67 | -160.63 | 391.30 |
| 79 | 579.03 | 45.44 | -308.64 | 354.08 |
| 80 | 585.92 | 46.16 | -518.71 | 564.87 |
| 81 | 591.44 | 40.30 | -350.25 | 390.56 |
| 82 | 596.95 | 222.70 | -243.02 | 465.72 |
| 83 | 602.47 | 353.33 | -162.69 | 516.02 |
| 84 | 607.98 | 422.08 | -124.75 | 546.84 |
| 85 | 613.50 | 458.79 | -96.16 | 554.95 |
| 86 | 619.02 | 425.25 | -90.12 | 515.37 |
| 87 | 624.53 | 361.35 | -123.50 | 484.85 |
| 88 | 630.05 | 276.62 | -172.61 | 449.23 |
| 89 | 635.57 | 142.66 | -239.65 | 382.32 |
| 90 | 641.08 | 18.95 | -315.36 | 334.31 |
| 91 | 647.14 | 1.25 | -0.03 | 1.28 |

C256 (LC3) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 57.38 | 63.88 |
| 53 | 409.40 | 40.15 | 47.06 |
| 54 | 414.98 | 28.54 | 40.75 |
| 55 | 420.56 | 22.96 | 42.15 |
| 56 | 426.14 | -29.93 | 42.30 |
| 57 | 431.72 | -40.67 | 43.92 |
| 58 | 437.30 | -46.89 | 48.84 |
| 59 | 442.88 | -58.98 | 60.93 |
| 60 | 448.46L | -68.18 | 70.12 |
| 60 | 448.46R | 75.33 | 81.83 |
| 61 | 455.32 | 66.46 | 72.96 |
| 62 | 462.18 | 54.25 | 60.75 |
| 63 | 469.04 | 46.39 | 54.48 |
| 64 | 475.90 | 37.46 | 60.40 |
| 65 | 482.76 | -32.95 | 62.06 |
| 66 | 489.62 | -35.49 | 55.51 |
| 67 | 496.48 | -45.23 | 51.66 |
| 68 | 503.34 | -53.63 | 56.68 |
| 69 | 510.20 | -64.62 | 67.67 |
| 70 | 517.06L | -78.69 | 81.74 |
| 70 | 517.06R | 81.47 | 86.50 |
| 71 | 523.99 | 73.42 | 78.45 |
| 72 | 530.93 | 58.97 | 64.00 |
| 73 | 537.87 | 47.28 | 53.80 |
| 74 | 544.81 | 36.21 | 55.98 |
| 75 | 551.75 | 30.04 | 54.61 |
| 76 | 558.68 | -34.16 | 53.61 |
| 77 | 565.62 | -44.75 | 52.08 |
| 78 | 572.56 | -54.31 | 59.81 |
| 79 | 579.50 | -65.49 | 70.99 |
| 80 | 586.44L | -78.65 | 84.14 |
| 80 | 586.44R | 77.39 | 84.71 |
| 81 | 591.88 | 70.70 | 78.02 |
| 82 | 597.33 | 60.42 | 67.74 |
| 83 | 602.78 | 47.42 | 57.76 |
| 84 | 608.23 | 41.90 | 55.67 |
| 85 | 613.67 | 30.72 | 51.81 |
| 86 | 619.12 | -30.30 | 49.85 |
| 87 | 624.57 | -31.87 | 46.20 |
| 88 | 630.02 | -40.64 | 47.21 |
| 89 | 635.46 | -51.11 | 57.67 |
| 90 | 640.91L | -61.99 | 68.56 |
| 90 | 640.91R | 74.75 | 81.35 |
| 91 | 647.03 | 67.16 | 72.92 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 95.76 | -11.36 | 107.12 |
| 53 | 409.40 | 321.76 | -48.89 | 370.65 |
| 54 | 414.98 | 448.10 | -86.41 | 534.51 |
| 55 | 420.56 | 434.16 | -126.09 | 560.25 |
| 56 | 426.14 | 456.42 | -167.60 | 624.02 |
| 57 | 431.72 | 394.79 | -222.63 | 617.42 |
| 58 | 437.30 | 264.13 | -291.52 | 555.65 |
| 59 | 442.88 | 78.95 | -385.88 | 464.83 |

C256 (LC3) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 86.99 | -540.87 | 627.86 |
| 61 | 455.32 | 94.80 | -281.51 | 376.31 |
| 62 | 462.18 | 346.50 | -136.63 | 483.13 |
| 63 | 469.04 | 509.54 | -108.19 | 617.74 |
| 64 | 475.90 | 618.77 | -94.95 | 713.72 |
| 65 | 482.76 | 661.92 | -139.18 | 801.10 |
| 66 | 489.62 | 664.25 | -193.01 | 857.26 |
| 67 | 496.48 | 562.50 | -246.85 | 809.34 |
| 68 | 503.34 | 357.46 | -306.99 | 664.45 |
| 69 | 510.20 | 104.14 | -466.30 | 570.44 |
| 70 | 517.06 | 67.29 | -721.78 | 789.07 |
| 71 | 523.99 | 47.13 | -403.11 | 450.24 |
| 72 | 530.93 | 330.84 | -236.59 | 567.43 |
| 73 | 537.87 | 530.97 | -190.47 | 721.44 |
| 74 | 544.81 | 631.77 | -147.60 | 779.37 |
| 75 | 551.75 | 650.24 | -104.71 | 754.96 |
| 76 | 558.68 | 625.86 | -135.44 | 761.30 |
| 77 | 565.62 | 519.32 | -172.87 | 692.19 |
| 78 | 572.56 | 301.94 | -215.05 | 516.99 |
| 79 | 579.50 | 58.14 | -379.66 | 437.80 |
| 80 | 586.44 | 86.95 | -669.43 | 756.38 |
| 81 | 591.88 | 77.38 | -470.55 | 547.93 |
| 82 | 597.33 | 270.60 | -350.57 | 621.17 |
| 83 | 602.78 | 444.83 | -268.95 | 713.78 |
| 84 | 608.23 | 536.83 | -224.72 | 761.55 |
| 85 | 613.67 | 571.35 | -184.82 | 756.17 |
| 86 | 619.12 | 542.80 | -178.90 | 721.70 |
| 87 | 624.57 | 486.40 | -210.77 | 697.18 |
| 88 | 630.02 | 369.33 | -263.58 | 632.91 |
| 89 | 635.46 | 200.70 | -325.31 | 526.00 |
| 90 | 640.91 | 41.03 | -397.45 | 438.48 |
| 91 | 647.03 | 5.44 | -0.52 | 5.96 |

C256 (LC4) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 58.53 | 65.22 |
| 53 | 409.37 | 43.36 | 51.18 |
| 54 | 414.96 | 30.11 | 42.61 |
| 55 | 420.54 | 23.07 | 42.06 |
| 56 | 426.13 | -29.46 | 41.84 |
| 57 | 431.71 | -40.00 | 44.56 |
| 58 | 437.30 | -45.95 | 47.76 |
| 59 | 442.88 | -57.92 | 59.72 |
| 60 | 448.46L | -68.00 | 69.80 |
| 60 | 448.46R | 74.86 | 80.89 |
| 61 | 455.32 | 67.14 | 73.17 |
| 62 | 462.18 | 50.03 | 56.06 |
| 63 | 469.04 | 41.86 | 51.17 |
| 64 | 475.89 | 36.89 | 59.94 |
| 65 | 482.75 | -27.88 | 54.78 |
| 66 | 489.61 | -34.63 | 54.57 |
| 67 | 496.47 | -44.20 | 51.57 |
| 68 | 503.32 | -52.22 | 55.19 |
| 69 | 510.18 | -63.31 | 66.28 |
| 70 | 517.04L | -76.74 | 79.71 |
| 70 | 517.04R | 78.22 | 83.28 |
| 71 | 523.88 | 70.41 | 75.47 |
| 72 | 530.72 | 56.47 | 61.53 |
| 73 | 537.56 | 46.06 | 54.04 |
| 74 | 544.40 | 35.31 | 55.87 |
| 75 | 551.24 | -33.00 | 63.40 |
| 76 | 558.08 | -33.00 | 53.07 |
| 77 | 564.92 | -43.10 | 51.53 |
| 78 | 571.76 | -50.02 | 55.26 |
| 79 | 578.60 | -62.87 | 68.12 |
| 80 | 585.43L | -75.46 | 80.70 |
| 80 | 585.43R | 75.07 | 81.70 |
| 81 | 591.02 | 68.68 | 75.31 |
| 82 | 596.60 | 57.16 | 63.79 |
| 83 | 602.19 | 45.07 | 55.14 |
| 84 | 607.77 | 40.53 | 55.86 |
| 85 | 613.35 | 27.01 | 46.60 |
| 86 | 618.94 | -28.57 | 46.02 |
| 87 | 624.52 | -31.86 | 45.52 |
| 88 | 630.10 | -42.27 | 48.41 |
| 89 | 635.69 | -51.42 | 56.27 |
| 90 | 641.27L | -63.28 | 68.13 |
| 90 | 641.27R | 73.20 | 79.57 |
| 91 | 647.26 | 63.74 | 70.11 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 94.62 | -11.57 | 106.20 |
| 53 | 409.37 | 322.42 | -50.38 | 372.80 |
| 54 | 414.96 | 452.03 | -89.19 | 541.22 |
| 55 | 420.54 | 433.68 | -130.12 | 563.79 |
| 56 | 426.13 | 455.94 | -176.25 | 632.18 |
| 57 | 431.71 | 394.05 | -230.44 | 624.49 |
| 58 | 437.30 | 251.03 | -297.39 | 548.41 |

C256 (LC4) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 75.90 | -379.85 | 455.74 |
| 60 | 448.46 | 81.24 | -512.18 | 593.42 |
| 61 | 455.32 | 90.20 | -269.27 | 359.46 |
| 62 | 462.18 | 346.89 | -139.08 | 485.98 |
| 63 | 469.04 | 515.81 | -108.06 | 623.87 |
| 64 | 475.89 | 622.19 | -88.99 | 711.18 |
| 65 | 482.75 | 665.32 | -130.38 | 795.71 |
| 66 | 489.61 | 666.15 | -180.27 | 846.42 |
| 67 | 496.47 | 560.35 | -230.15 | 790.50 |
| 68 | 503.32 | 350.80 | -285.67 | 636.47 |
| 69 | 510.18 | 98.21 | -432.41 | 530.62 |
| 70 | 517.04 | 65.47 | -659.17 | 724.63 |
| 71 | 523.88 | 52.33 | -387.51 | 439.84 |
| 72 | 530.72 | 321.16 | -241.60 | 562.76 |
| 73 | 537.56 | 512.83 | -192.84 | 705.67 |
| 74 | 544.40 | 611.88 | -149.77 | 761.65 |
| 75 | 551.24 | 628.06 | -106.72 | 734.78 |
| 76 | 558.08 | 614.30 | -141.67 | 755.97 |
| 77 | 564.92 | 515.84 | -181.53 | 697.37 |
| 78 | 571.76 | 313.09 | -228.13 | 541.22 |
| 79 | 578.60 | 78.77 | -353.40 | 432.17 |
| 80 | 585.43 | 74.81 | -578.30 | 653.11 |
| 81 | 591.02 | 65.80 | -387.40 | 453.20 |
| 82 | 596.60 | 259.11 | -285.33 | 544.44 |
| 83 | 602.19 | 432.96 | -213.75 | 646.71 |
| 84 | 607.77 | 533.76 | -177.62 | 711.38 |
| 85 | 613.35 | 574.27 | -149.90 | 724.17 |
| 86 | 618.94 | 544.34 | -171.66 | 716.00 |
| 87 | 624.52 | 488.87 | -209.14 | 698.01 |
| 88 | 630.10 | 392.01 | -252.31 | 644.32 |
| 89 | 635.69 | 233.28 | -310.67 | 543.95 |
| 90 | 641.27 | 38.45 | -383.30 | 421.76 |
| 91 | 647.26 | 2.48 | -0.53 | 3.01 |

C256 (LC4) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 56.62 | 60.08 |
| 53 | 409.38 | 39.46 | 44.36 |
| 54 | 414.97 | 25.90 | 36.47 |
| 55 | 420.55 | 25.67 | 41.57 |
| 56 | 426.13 | -27.26 | 40.97 |
| 57 | 431.72 | -38.79 | 44.29 |
| 58 | 437.30 | -41.00 | 42.14 |
| 59 | 442.88 | -54.81 | 55.95 |
| 60 | 448.46L | -64.66 | 65.80 |
| 60 | 448.46R | 65.85 | 68.64 |
| 61 | 455.32 | 56.26 | 59.05 |
| 62 | 462.18 | 38.55 | 46.22 |
| 63 | 469.04 | 37.48 | 46.27 |
| 64 | 475.89 | 31.37 | 55.32 |
| 65 | 482.75 | -36.53 | 69.72 |
| 66 | 489.61 | -29.27 | 51.25 |
| 67 | 496.47 | -39.60 | 48.52 |
| 68 | 503.32 | -42.18 | 45.61 |
| 69 | 510.18 | -55.10 | 56.48 |
| 70 | 517.04L | -69.62 | 71.00 |
| 70 | 517.04R | 71.02 | 73.37 |
| 71 | 523.93 | 61.29 | 63.64 |
| 72 | 530.82 | 45.96 | 49.88 |
| 73 | 537.70 | 40.88 | 48.74 |
| 74 | 544.59 | 29.89 | 51.70 |
| 75 | 551.48 | -31.20 | 51.69 |
| 76 | 558.37 | -28.24 | 48.83 |
| 77 | 565.26 | -39.22 | 48.33 |
| 78 | 572.14 | -40.83 | 45.17 |
| 79 | 579.03 | -56.58 | 59.18 |
| 80 | 585.92L | -68.71 | 71.30 |
| 80 | 585.92R | 69.38 | 73.15 |
| 81 | 591.44 | 61.40 | 65.17 |
| 82 | 596.95 | 50.61 | 54.37 |
| 83 | 602.47 | 38.83 | 49.13 |
| 84 | 607.98 | 39.63 | 53.91 |
| 85 | 613.50 | 26.22 | 45.97 |
| 86 | 619.02 | -30.95 | 46.76 |
| 87 | 624.53 | -28.28 | 43.32 |
| 88 | 630.05 | -39.32 | 45.04 |
| 89 | 635.57 | -50.16 | 53.37 |
| 90 | 641.08L | -58.02 | 61.23 |
| 90 | 641.08R | 60.93 | 64.10 |
| 91 | 647.14 | 59.09 | 61.75 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 90.75 | -6.00 | 96.76 |
| 53 | 409.38 | 297.65 | -25.98 | 323.63 |
| 54 | 414.97 | 398.61 | -45.96 | 444.57 |
| 55 | 420.55 | 369.89 | -72.08 | 441.97 |
| 56 | 426.13 | 389.96 | -105.23 | 495.19 |
| 57 | 431.72 | 327.88 | -144.85 | 472.74 |
| 58 | 437.30 | 201.57 | -208.02 | 409.59 |
| 59 | 442.88 | 46.59 | -284.98 | 331.57 |

C256 (LC4) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 44.80 | -406.35 | 451.16 |
| 61 | 455.32 | 83.84 | -234.76 | 318.60 |
| 62 | 462.18 | 279.03 | -120.67 | 399.69 |
| 63 | 469.04 | 394.06 | -72.63 | 466.69 |
| 64 | 475.89 | 465.58 | -49.00 | 514.58 |
| 65 | 482.75 | 454.44 | -59.60 | 514.04 |
| 66 | 489.61 | 487.44 | -99.32 | 586.76 |
| 67 | 496.47 | 411.95 | -139.06 | 551.01 |
| 68 | 503.32 | 262.28 | -201.76 | 464.04 |
| 69 | 510.18 | 73.47 | -348.67 | 422.15 |
| 70 | 517.04 | 37.28 | -526.98 | 564.26 |
| 71 | 523.93 | 53.52 | -315.46 | 368.98 |
| 72 | 530.82 | 261.37 | -169.10 | 430.47 |
| 73 | 537.70 | 396.87 | -118.68 | 515.55 |
| 74 | 544.59 | 463.19 | -83.22 | 546.41 |
| 75 | 551.48 | 446.25 | -47.66 | 493.92 |
| 76 | 558.37 | 468.80 | -76.29 | 545.09 |
| 77 | 565.26 | 389.90 | -108.25 | 498.15 |
| 78 | 572.14 | 231.64 | -164.46 | 396.10 |
| 79 | 579.03 | 47.67 | -296.89 | 344.56 |
| 80 | 585.92 | 46.85 | -493.09 | 539.93 |
| 81 | 591.44 | 40.91 | -340.74 | 381.65 |
| 82 | 596.95 | 226.30 | -247.31 | 473.60 |
| 83 | 602.47 | 354.54 | -169.73 | 524.27 |
| 84 | 607.98 | 424.20 | -126.61 | 550.81 |
| 85 | 613.50 | 461.27 | -97.67 | 558.94 |
| 86 | 619.02 | 431.78 | -101.66 | 533.44 |
| 87 | 624.53 | 365.69 | -134.45 | 500.14 |
| 88 | 630.05 | 285.35 | -183.14 | 468.49 |
| 89 | 635.57 | 143.26 | -241.42 | 384.67 |
| 90 | 641.08 | 19.29 | -308.54 | 327.83 |
| 91 | 647.14 | 1.24 | -0.03 | 1.28 |

C256 (LC4) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 58.47 | 65.08 |
| 53 | 409.40 | 43.27 | 51.13 |
| 54 | 414.98 | 30.03 | 42.59 |
| 55 | 420.56 | 22.63 | 41.71 |
| 56 | 426.14 | -29.55 | 41.95 |
| 57 | 431.72 | -40.04 | 45.13 |
| 58 | 437.30 | -46.03 | 48.00 |
| 59 | 442.88 | -58.00 | 59.96 |
| 60 | 448.46L | -68.32 | 70.28 |
| 60 | 448.46R | 74.91 | 81.47 |
| 61 | 455.32 | 67.20 | 73.76 |
| 62 | 462.18 | 49.87 | 56.43 |
| 63 | 469.04 | 41.95 | 51.61 |
| 64 | 475.90 | 36.98 | 60.48 |
| 65 | 482.76 | -33.02 | 61.79 |
| 66 | 489.62 | -35.26 | 55.18 |
| 67 | 496.48 | -44.76 | 51.93 |
| 68 | 503.34 | -52.83 | 55.78 |
| 69 | 510.20 | -63.78 | 66.72 |
| 70 | 517.06L | -77.66 | 80.60 |
| 70 | 517.06R | 80.73 | 85.85 |
| 71 | 523.99 | 73.04 | 78.16 |
| 72 | 530.93 | 59.19 | 64.31 |
| 73 | 537.87 | 47.66 | 55.44 |
| 74 | 544.81 | 36.89 | 57.27 |
| 75 | 551.75 | 30.92 | 55.44 |
| 76 | 558.68 | -33.87 | 53.79 |
| 77 | 565.62 | -44.24 | 53.55 |
| 78 | 572.56 | -53.61 | 59.19 |
| 79 | 579.50 | -64.87 | 70.46 |
| 80 | 586.44L | -78.20 | 83.79 |
| 80 | 586.44R | 77.20 | 84.66 |
| 81 | 591.88 | 69.17 | 76.62 |
| 82 | 597.33 | 60.63 | 68.08 |
| 83 | 602.78 | 47.62 | 58.40 |
| 84 | 608.23 | 41.16 | 54.31 |
| 85 | 613.67 | 30.56 | 50.82 |
| 86 | 619.12 | -29.57 | 49.23 |
| 87 | 624.57 | -31.09 | 45.76 |
| 88 | 630.02 | -40.79 | 47.46 |
| 89 | 635.46 | -50.94 | 57.60 |
| 90 | 640.91L | -62.23 | 68.90 |
| 90 | 640.91R | 74.49 | 81.21 |
| 91 | 647.03 | 66.52 | 72.38 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 95.94 | -11.60 | 107.54 |
| 53 | 409.40 | 323.23 | -49.89 | 373.12 |
| 54 | 414.98 | 451.78 | -88.19 | 539.97 |
| 55 | 420.56 | 433.74 | -128.67 | 562.40 |
| 56 | 426.14 | 456.02 | -177.41 | 633.44 |
| 57 | 431.72 | 394.35 | -231.95 | 626.30 |
| 58 | 437.30 | 251.05 | -298.82 | 549.87 |
| 59 | 442.88 | 77.29 | -381.37 | 458.66 |

C256 (LC4) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 88.76 | -513.84 | 602.60 |
| 61 | 455.32 | 92.24 | -269.57 | 361.81 |
| 62 | 462.18 | 346.89 | -139.03 | 485.92 |
| 63 | 469.04 | 513.52 | -108.22 | 621.74 |
| 64 | 475.90 | 623.99 | -96.94 | 720.93 |
| 65 | 482.76 | 668.15 | -142.07 | 810.22 |
| 66 | 489.62 | 670.54 | -196.93 | 867.47 |
| 67 | 496.48 | 566.03 | -251.80 | 817.83 |
| 68 | 503.34 | 357.10 | -313.03 | 670.14 |
| 69 | 510.20 | 105.22 | -463.10 | 568.32 |
| 70 | 517.06 | 68.18 | -695.85 | 764.03 |
| 71 | 523.99 | 45.68 | -396.68 | 442.37 |
| 72 | 530.93 | 331.25 | -240.42 | 571.67 |
| 73 | 537.87 | 535.45 | -193.61 | 729.06 |
| 74 | 544.81 | 638.52 | -150.06 | 788.58 |
| 75 | 551.75 | 657.66 | -106.50 | 764.15 |
| 76 | 558.68 | 631.40 | -137.26 | 768.66 |
| 77 | 565.62 | 521.66 | -175.16 | 696.81 |
| 78 | 572.56 | 303.34 | -217.84 | 521.17 |
| 79 | 579.50 | 59.36 | -368.98 | 428.35 |
| 80 | 586.44 | 88.38 | -639.38 | 727.76 |
| 81 | 591.88 | 78.66 | -461.67 | 540.33 |
| 82 | 597.33 | 273.55 | -358.48 | 632.03 |
| 83 | 602.78 | 448.05 | -284.42 | 732.47 |
| 84 | 608.23 | 541.76 | -230.80 | 772.55 |
| 85 | 613.67 | 577.84 | -207.10 | 784.94 |
| 86 | 619.12 | 556.90 | -213.56 | 770.46 |
| 87 | 624.57 | 496.75 | -244.39 | 741.14 |
| 88 | 630.02 | 386.32 | -284.01 | 670.33 |
| 89 | 635.46 | 205.67 | -334.74 | 540.41 |
| 90 | 640.91 | 41.96 | -394.68 | 436.64 |
| 91 | 647.03 | 5.44 | -0.54 | 5.98 |

C256 (LC5) Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 57.38 | 64.21 |
| 53 | 409.37 | 40.21 | 48.50 |
| 54 | 414.96 | 28.15 | 40.76 |
| 55 | 420.54 | 22.76 | 41.58 |
| 56 | 426.13 | -29.03 | 41.44 |
| 57 | 431.71 | -39.31 | 44.63 |
| 58 | 437.30 | -45.07 | 46.91 |
| 59 | 442.88 | -57.00 | 58.83 |
| 60 | 448.46L | -68.11 | 69.95 |
| 60 | 448.46R | 75.35 | 81.50 |
| 61 | 455.32 | 65.95 | 72.10 |
| 62 | 462.18 | 52.36 | 58.76 |
| 63 | 469.04 | 45.02 | 55.47 |
| 64 | 475.89 | 36.20 | 59.59 |
| 65 | 482.75 | -28.39 | 55.15 |
| 66 | 489.61 | -34.24 | 54.02 |
| 67 | 496.47 | -43.63 | 51.68 |
| 68 | 503.32 | -51.46 | 54.52 |
| 69 | 510.18 | -62.49 | 65.55 |
| 70 | 517.04L | -75.91 | 78.97 |
| 70 | 517.04R | 77.47 | 82.60 |
| 71 | 523.88 | 70.01 | 75.15 |
| 72 | 530.72 | 56.67 | 61.81 |
| 73 | 537.56 | 46.28 | 55.14 |
| 74 | 544.40 | 35.75 | 56.55 |
| 75 | 551.24 | -32.59 | 62.99 |
| 76 | 558.08 | -32.59 | 52.95 |
| 77 | 564.92 | -42.30 | 52.19 |
| 78 | 571.76 | -49.27 | 54.60 |
| 79 | 578.60 | -62.25 | 67.58 |
| 80 | 585.43L | -74.94 | 80.27 |
| 80 | 585.43R | 74.16 | 80.80 |
| 81 | 591.02 | 67.33 | 73.97 |
| 82 | 596.60 | 57.40 | 64.04 |
| 83 | 602.19 | 45.06 | 55.08 |
| 84 | 607.77 | 37.74 | 52.31 |
| 85 | 613.35 | 26.72 | 45.58 |
| 86 | 618.94 | -27.94 | 45.26 |
| 87 | 624.52 | -31.18 | 45.15 |
| 88 | 630.10 | -41.68 | 48.62 |
| 89 | 635.69 | -50.96 | 55.89 |
| 90 | 641.27L | -63.47 | 68.40 |
| 90 | 641.27R | 73.43 | 79.90 |
| 91 | 647.26 | 63.29 | 69.76 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 94.34 | -11.80 | 106.14 |
| 53 | 409.37 | 321.05 | -51.37 | 372.42 |
| 54 | 414.96 | 448.81 | -90.94 | 539.75 |
| 55 | 420.54 | 433.18 | -136.04 | 569.22 |
| 56 | 426.13 | 455.49 | -183.44 | 638.92 |
| 57 | 431.71 | 393.55 | -237.27 | 630.82 |
| 58 | 437.30 | 262.59 | -300.74 | 563.32 |
| 59 | 442.88 | 78.42 | -373.99 | 452.41 |

C256 (LC5) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 82.83 | -485.20 | 568.03 |
| 61 | 455.32 | 87.04 | -260.85 | 347.89 |
| 62 | 462.18 | 349.50 | -147.14 | 496.65 |
| 63 | 469.04 | 519.75 | -108.61 | 628.36 |
| 64 | 475.89 | 626.45 | -90.79 | 717.24 |
| 65 | 482.75 | 669.25 | -133.00 | 802.25 |
| 66 | 489.61 | 671.53 | -183.80 | 855.33 |
| 67 | 496.47 | 563.79 | -234.60 | 798.39 |
| 68 | 503.32 | 346.33 | -291.08 | 637.40 |
| 69 | 510.18 | 99.57 | -424.43 | 524.00 |
| 70 | 517.04 | 66.13 | -632.03 | 698.15 |
| 71 | 523.88 | 50.89 | -379.85 | 430.75 |
| 72 | 530.72 | 321.74 | -245.40 | 567.13 |
| 73 | 537.56 | 517.18 | -195.92 | 713.10 |
| 74 | 544.40 | 616.54 | -152.20 | 768.74 |
| 75 | 551.24 | 634.19 | -108.48 | 742.67 |
| 76 | 558.08 | 620.38 | -143.09 | 763.48 |
| 77 | 564.92 | 518.79 | -183.33 | 702.11 |
| 78 | 571.76 | 313.07 | -230.34 | 543.41 |
| 79 | 578.60 | 80.80 | -343.06 | 423.86 |
| 80 | 585.43 | 76.01 | -546.19 | 622.21 |
| 81 | 591.02 | 66.86 | -376.13 | 443.00 |
| 82 | 596.60 | 260.37 | -289.02 | 549.39 |
| 83 | 602.19 | 435.41 | -228.52 | 663.93 |
| 84 | 607.77 | 537.41 | -190.47 | 727.88 |
| 85 | 613.35 | 579.10 | -184.18 | 763.28 |
| 86 | 618.94 | 555.14 | -200.12 | 755.26 |
| 87 | 624.52 | 496.80 | -226.98 | 723.78 |
| 88 | 630.10 | 403.15 | -269.33 | 672.48 |
| 89 | 635.69 | 245.18 | -319.87 | 565.05 |
| 90 | 641.27 | 39.19 | -381.87 | 421.06 |
| 91 | 647.26 | 2.46 | -0.54 | 3.00 |

Girder 2 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.80 | 55.75 | 59.26 |
| 53 | 409.38 | 36.72 | 41.85 |
| 54 | 414.97 | 24.16 | 34.76 |
| 55 | 420.55 | 25.04 | 40.73 |
| 56 | 426.13 | -29.01 | 43.14 |
| 57 | 431.72 | -38.28 | 43.66 |
| 58 | 437.30 | -40.14 | 41.29 |
| 59 | 442.88 | -53.98 | 55.13 |
| 60 | 448.46L | -65.31 | 66.46 |
| 60 | 448.46R | 67.46 | 70.30 |
| 61 | 455.32 | 55.71 | 58.55 |
| 62 | 462.18 | 40.13 | 48.54 |
| 63 | 469.04 | 39.97 | 49.36 |
| 64 | 475.89 | 30.70 | 54.83 |
| 65 | 482.75 | -36.36 | 69.92 |
| 66 | 489.61 | -28.92 | 50.60 |
| 67 | 496.47 | -39.12 | 48.28 |
| 68 | 503.32 | -41.28 | 44.99 |
| 69 | 510.18 | -54.23 | 55.65 |
| 70 | 517.04L | -68.66 | 70.08 |
| 70 | 517.04R | 70.17 | 72.56 |
| 71 | 523.93 | 60.79 | 63.18 |
| 72 | 530.82 | 46.07 | 50.80 |
| 73 | 537.70 | 41.18 | 49.53 |
| 74 | 544.59 | 30.37 | 52.30 |
| 75 | 551.48 | -31.82 | 52.81 |
| 76 | 558.37 | -27.91 | 48.98 |
| 77 | 565.26 | -39.80 | 50.05 |
| 78 | 572.14 | -39.82 | 44.87 |
| 79 | 579.03 | -55.67 | 58.31 |
| 80 | 585.92L | -68.22 | 70.85 |
| 80 | 585.92R | 68.98 | 72.81 |
| 81 | 591.44 | 60.03 | 63.86 |
| 82 | 596.95 | 50.78 | 54.60 |
| 83 | 602.47 | 38.36 | 48.53 |
| 84 | 607.98 | 37.55 | 51.26 |
| 85 | 613.50 | 25.91 | 45.13 |
| 86 | 619.02 | -30.51 | 46.21 |
| 87 | 624.53 | -27.67 | 42.75 |
| 88 | 630.05 | -38.84 | 45.08 |
| 89 | 635.57 | -49.81 | 53.06 |
| 90 | 641.08L | -57.77 | 61.03 |
| 90 | 641.08R | 60.90 | 64.10 |
| 91 | 647.14 | 58.98 | 61.69 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.80 | 90.69 | -6.11 | 96.81 |
| 53 | 409.38 | 296.00 | -26.46 | 322.46 |
| 54 | 414.97 | 397.12 | -46.81 | 443.92 |
| 55 | 420.55 | 366.12 | -75.13 | 441.25 |
| 56 | 426.13 | 389.44 | -109.59 | 499.03 |
| 57 | 431.72 | 327.40 | -148.54 | 475.94 |
| 58 | 437.30 | 212.90 | -208.82 | 421.72 |
| 59 | 442.88 | 48.91 | -278.41 | 327.32 |

C256 (LC5) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 45.60 | -380.67 | 426.27 |
| 61 | 455.32 | 81.45 | -224.83 | 306.28 |
| 62 | 462.18 | 282.93 | -123.83 | 406.76 |
| 63 | 469.04 | 395.39 | -73.71 | 469.09 |
| 64 | 475.89 | 468.89 | -49.35 | 518.24 |
| 65 | 482.75 | 456.17 | -60.88 | 517.05 |
| 66 | 489.61 | 489.58 | -101.11 | 590.69 |
| 67 | 496.47 | 412.92 | -141.35 | 554.27 |
| 68 | 503.32 | 251.34 | -207.61 | 458.95 |
| 69 | 510.18 | 75.11 | -339.70 | 414.81 |
| 70 | 517.04 | 37.62 | -502.73 | 540.36 |
| 71 | 523.93 | 52.66 | -308.14 | 360.81 |
| 72 | 530.82 | 261.32 | -171.66 | 432.98 |
| 73 | 537.70 | 398.32 | -120.32 | 518.64 |
| 74 | 544.59 | 464.94 | -84.47 | 549.40 |
| 75 | 551.48 | 449.44 | -48.52 | 497.96 |
| 76 | 558.37 | 471.28 | -77.02 | 548.30 |
| 77 | 565.26 | 390.64 | -109.19 | 499.83 |
| 78 | 572.14 | 232.55 | -166.74 | 399.29 |
| 79 | 579.03 | 49.39 | -286.67 | 336.06 |
| 80 | 585.92 | 47.52 | -461.12 | 508.64 |
| 81 | 591.44 | 41.51 | -330.73 | 372.24 |
| 82 | 596.95 | 225.58 | -247.85 | 473.44 |
| 83 | 602.47 | 355.60 | -177.06 | 532.67 |
| 84 | 607.98 | 426.03 | -131.97 | 557.99 |
| 85 | 613.50 | 463.43 | -116.35 | 579.78 |
| 86 | 619.02 | 438.22 | -122.54 | 560.76 |
| 87 | 624.53 | 370.00 | -145.79 | 515.79 |
| 88 | 630.05 | 293.14 | -191.70 | 484.84 |
| 89 | 635.57 | 145.16 | -243.59 | 388.75 |
| 90 | 641.08 | 19.63 | -303.13 | 322.76 |
| 91 | 647.14 | 1.24 | -0.03 | 1.28 |

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 57.36 | 64.11 |
| 53 | 409.40 | 40.15 | 48.47 |
| 54 | 414.98 | 28.09 | 40.75 |
| 55 | 420.56 | 22.42 | 41.32 |
| 56 | 426.14 | -29.12 | 42.29 |
| 57 | 431.72 | -39.35 | 44.39 |
| 58 | 437.30 | -45.15 | 47.15 |
| 59 | 442.88 | -57.06 | 59.06 |
| 60 | 448.46L | -68.52 | 70.52 |
| 60 | 448.46R | 75.47 | 82.15 |
| 61 | 455.32 | 66.08 | 72.76 |
| 62 | 462.18 | 52.45 | 59.16 |
| 63 | 469.04 | 45.12 | 55.97 |
| 64 | 475.90 | 36.29 | 60.16 |
| 65 | 482.76 | -32.90 | 61.35 |
| 66 | 489.62 | -34.88 | 54.64 |
| 67 | 496.48 | -44.15 | 51.79 |
| 68 | 503.34 | -52.01 | 55.04 |
| 69 | 510.20 | -62.87 | 65.91 |
| 70 | 517.06L | -76.70 | 79.73 |
| 70 | 517.06R | 80.05 | 85.25 |
| 71 | 523.99 | 72.70 | 77.90 |
| 72 | 530.93 | 59.46 | 64.66 |
| 73 | 537.87 | 47.88 | 56.67 |
| 74 | 544.81 | 37.37 | 57.99 |
| 75 | 551.75 | 31.67 | 56.07 |
| 76 | 558.68 | -33.50 | 54.15 |
| 77 | 565.62 | -43.48 | 54.32 |
| 78 | 572.56 | -52.89 | 58.57 |
| 79 | 579.50 | -64.28 | 69.96 |
| 80 | 586.44L | -77.76 | 83.44 |
| 80 | 586.44R | 77.05 | 84.53 |
| 81 | 591.88 | 67.67 | 75.15 |
| 82 | 597.33 | 54.27 | 61.75 |
| 83 | 602.78 | 47.63 | 58.01 |
| 84 | 608.23 | 40.53 | 52.91 |
| 85 | 613.67 | 30.19 | 49.66 |
| 86 | 619.12 | -28.89 | 48.47 |
| 87 | 624.57 | -30.38 | 45.17 |
| 88 | 630.02 | -40.58 | 48.19 |
| 89 | 635.46 | -50.38 | 57.16 |
| 90 | 640.91L | -62.59 | 69.37 |
| 90 | 640.91R | 74.84 | 81.68 |
| 91 | 647.03 | 65.87 | 71.85 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 95.72 | -11.84 | 107.56 |
| 53 | 409.40 | 321.60 | -50.94 | 372.54 |
| 54 | 414.98 | 448.92 | -90.03 | 538.96 |
| 55 | 420.56 | 433.25 | -136.90 | 570.15 |
| 56 | 426.14 | 455.57 | -184.55 | 640.12 |
| 57 | 431.72 | 393.84 | -238.77 | 632.60 |
| 58 | 437.30 | 262.61 | -302.23 | 564.84 |
| 59 | 442.88 | 78.75 | -375.54 | 454.29 |

C256 (LC5) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 90.43 | -486.87 | 577.30 |
| 61 | 455.32 | 88.49 | -261.36 | 349.85 |
| 62 | 462.18 | 351.52 | -147.12 | 498.65 |
| 63 | 469.04 | 517.65 | -108.78 | 626.43 |
| 64 | 475.90 | 628.25 | -98.82 | 727.06 |
| 65 | 482.76 | 672.09 | -144.81 | 816.90 |
| 66 | 489.62 | 675.97 | -200.65 | 876.62 |
| 67 | 496.48 | 569.55 | -256.49 | 826.04 |
| 68 | 503.34 | 353.20 | -318.76 | 671.96 |
| 69 | 510.20 | 106.61 | -456.29 | 562.90 |
| 70 | 517.06 | 68.98 | -668.66 | 737.64 |
| 71 | 523.99 | 43.01 | -389.13 | 432.14 |
| 72 | 530.93 | 331.60 | -244.21 | 575.82 |
| 73 | 537.87 | 539.70 | -196.72 | 736.42 |
| 74 | 544.81 | 643.12 | -152.50 | 795.62 |
| 75 | 551.75 | 664.91 | -108.27 | 773.18 |
| 76 | 558.68 | 637.25 | -138.87 | 776.12 |
| 77 | 565.62 | 524.16 | -177.19 | 701.35 |
| 78 | 572.56 | 304.67 | -220.31 | 524.98 |
| 79 | 579.50 | 59.76 | -356.82 | 416.58 |
| 80 | 586.44 | 89.80 | -599.61 | 689.41 |
| 81 | 591.88 | 79.92 | -451.73 | 531.65 |
| 82 | 597.33 | 273.63 | -363.64 | 637.27 |
| 83 | 602.78 | 450.92 | -301.08 | 752.00 |
| 84 | 608.23 | 546.13 | -259.65 | 805.78 |
| 85 | 613.67 | 583.43 | -244.14 | 827.57 |
| 86 | 619.12 | 570.95 | -249.20 | 820.15 |
| 87 | 624.57 | 507.06 | -271.59 | 778.65 |
| 88 | 630.02 | 401.32 | -300.25 | 701.57 |
| 89 | 635.46 | 218.99 | -343.25 | 562.24 |
| 90 | 640.91 | 42.96 | -392.62 | 435.58 |
| 91 | 647.03 | 5.44 | -0.55 | 5.99 |

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 57.83 | 64.77 |
| 53 | 409.37 | 42.55 | 51.15 |
| 54 | 414.96 | 29.60 | 42.10 |
| 55 | 420.54 | 22.38 | 40.81 |
| 56 | 426.13 | -28.42 | 41.97 |
| 57 | 431.71 | -38.57 | 43.77 |
| 58 | 437.30 | -44.09 | 45.95 |
| 59 | 442.88 | -56.08 | 57.95 |
| 60 | 448.46L | -68.19 | 70.05 |
| 60 | 448.46R | 74.20 | 80.45 |
| 61 | 455.32 | 66.06 | 72.30 |
| 62 | 462.18 | 49.63 | 57.57 |
| 63 | 469.04 | 40.86 | 52.16 |
| 64 | 475.89 | 31.53 | 54.92 |
| 65 | 482.75 | -27.44 | 53.97 |
| 66 | 489.61 | -33.81 | 53.19 |
| 67 | 496.47 | -43.03 | 51.56 |
| 68 | 503.32 | -50.73 | 53.70 |
| 69 | 510.18 | -64.02 | 66.98 |
| 70 | 517.04L | -75.12 | 78.08 |
| 70 | 517.04R | 76.73 | 81.94 |
| 71 | 523.88 | 69.37 | 74.58 |
| 72 | 530.72 | 55.72 | 60.93 |
| 73 | 537.56 | 46.44 | 55.91 |
| 74 | 544.40 | 36.19 | 56.98 |
| 75 | 551.24 | -32.04 | 62.38 |
| 76 | 558.08 | -32.04 | 52.50 |
| 77 | 564.92 | -41.56 | 52.59 |
| 78 | 571.76 | -48.57 | 53.99 |
| 79 | 578.60 | -61.77 | 67.20 |
| 80 | 585.43L | -74.40 | 79.83 |
| 80 | 585.43R | 74.15 | 80.79 |
| 81 | 591.02 | 66.04 | 72.68 |
| 82 | 596.60 | 57.50 | 64.15 |
| 83 | 602.19 | 45.17 | 54.49 |
| 84 | 607.77 | 37.22 | 51.05 |
| 85 | 613.35 | 27.23 | 45.40 |
| 86 | 618.94 | -27.38 | 44.42 |
| 87 | 624.52 | -30.56 | 44.61 |
| 88 | 630.10 | -41.17 | 48.53 |
| 89 | 635.69 | -50.57 | 55.58 |
| 90 | 641.27L | -63.74 | 68.75 |
| 90 | 641.27R | 73.68 | 80.27 |
| 91 | 647.26 | 63.87 | 70.45 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 94.30 | -12.04 | 106.34 |
| 53 | 409.37 | 322.24 | -52.39 | 374.63 |
| 54 | 414.96 | 446.66 | -92.75 | 539.41 |
| 55 | 420.54 | 432.67 | -142.34 | 575.00 |
| 56 | 426.13 | 454.97 | -191.99 | 646.96 |
| 57 | 431.71 | 392.96 | -241.64 | 634.60 |
| 58 | 437.30 | 250.34 | -301.80 | 552.13 |
| 59 | 442.88 | 75.58 | -367.79 | 443.37 |

C256 (LC6) Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 84.16 | -457.38 | 541.54 |
| 61 | 455.32 | 83.41 | -248.66 | 332.08 |
| 62 | 462.18 | 358.47 | -153.45 | 511.91 |
| 63 | 469.04 | 523.84 | -109.27 | 633.11 |
| 64 | 475.89 | 633.21 | -92.30 | 725.51 |
| 65 | 482.75 | 672.59 | -135.19 | 807.78 |
| 66 | 489.61 | 675.94 | -186.76 | 862.70 |
| 67 | 496.47 | 566.88 | -238.33 | 805.21 |
| 68 | 503.32 | 350.65 | -295.61 | 646.26 |
| 69 | 510.18 | 100.03 | -416.36 | 516.39 |
| 70 | 517.04 | 66.72 | -603.92 | 670.64 |
| 71 | 523.88 | 48.73 | -372.27 | 421.00 |
| 72 | 530.72 | 322.31 | -248.81 | 571.12 |
| 73 | 537.56 | 520.82 | -198.69 | 719.51 |
| 74 | 544.40 | 620.89 | -154.37 | 775.27 |
| 75 | 551.24 | 641.22 | -110.06 | 751.28 |
| 76 | 558.08 | 627.25 | -144.38 | 771.63 |
| 77 | 564.92 | 521.86 | -184.95 | 706.81 |
| 78 | 571.76 | 314.47 | -232.33 | 546.80 |
| 79 | 578.60 | 81.53 | -331.77 | 413.30 |
| 80 | 585.43 | 77.10 | -511.08 | 588.17 |
| 81 | 591.02 | 67.82 | -369.36 | 437.18 |
| 82 | 596.60 | 260.00 | -292.64 | 552.64 |
| 83 | 602.19 | 437.62 | -242.55 | 680.17 |
| 84 | 607.77 | 540.68 | -218.88 | 759.57 |
| 85 | 613.35 | 583.12 | -213.74 | 796.86 |
| 86 | 618.94 | 563.73 | -224.82 | 788.56 |
| 87 | 624.52 | 503.11 | -245.12 | 748.23 |
| 88 | 630.10 | 413.15 | -282.92 | 696.07 |
| 89 | 635.69 | 255.07 | -328.53 | 583.60 |
| 90 | 641.27 | 39.95 | -380.48 | 420.43 |
| 91 | 647.26 | 2.45 | -0.55 | 3.00 |

C256 (LC6) Service Loads - Girder 2.txt

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 55.71 | 59.28 |
| 53 | 409.38 | 38.56 | 43.84 |
| 54 | 414.97 | 25.36 | 35.90 |
| 55 | 420.55 | 24.32 | 39.66 |
| 56 | 426.13 | -26.12 | 41.50 |
| 57 | 431.72 | -37.77 | 42.98 |
| 58 | 437.30 | -39.25 | 40.42 |
| 59 | 442.88 | -53.18 | 54.35 |
| 60 | 448.46L | -65.28 | 66.45 |
| 60 | 448.46R | 65.11 | 68.00 |
| 61 | 455.32 | 54.99 | 57.88 |
| 62 | 462.18 | 37.04 | 46.16 |
| 63 | 469.04 | 38.81 | 48.64 |
| 64 | 475.89 | 26.04 | 50.19 |
| 65 | 482.75 | -36.13 | 70.43 |
| 66 | 489.61 | -28.53 | 49.78 |
| 67 | 496.47 | -38.63 | 47.85 |
| 68 | 503.32 | -40.40 | 44.33 |
| 69 | 510.18 | -55.57 | 56.94 |
| 70 | 517.04L | -67.74 | 69.12 |
| 70 | 517.04R | 69.61 | 72.02 |
| 71 | 523.93 | 60.19 | 62.61 |
| 72 | 530.82 | 44.99 | 50.40 |
| 73 | 537.70 | 41.44 | 50.13 |
| 74 | 544.59 | 30.82 | 52.76 |
| 75 | 551.48 | -32.35 | 53.77 |
| 76 | 558.37 | -27.48 | 49.42 |
| 77 | 565.26 | -40.41 | 51.59 |
| 78 | 572.14 | -39.04 | 44.78 |
| 79 | 579.03 | -54.84 | 57.52 |
| 80 | 585.92L | -67.74 | 70.42 |
| 80 | 585.92R | 69.01 | 72.90 |
| 81 | 591.44 | 58.75 | 62.64 |
| 82 | 596.95 | 47.08 | 50.97 |
| 83 | 602.47 | 38.33 | 48.09 |
| 84 | 607.98 | 37.07 | 50.24 |
| 85 | 613.50 | 26.41 | 45.13 |
| 86 | 619.02 | -30.65 | 46.17 |
| 87 | 624.53 | -27.16 | 42.19 |
| 88 | 630.05 | -38.45 | 44.94 |
| 89 | 635.57 | -49.52 | 52.83 |
| 90 | 641.08L | -58.24 | 61.54 |
| 90 | 641.08R | 61.01 | 64.26 |
| 91 | 647.14 | 58.88 | 61.64 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 90.63 | -6.23 | 96.86 |
| 53 | 409.38 | 297.01 | -26.96 | 323.97 |
| 54 | 414.97 | 396.70 | -47.70 | 444.40 |
| 55 | 420.55 | 367.25 | -78.69 | 445.94 |
| 56 | 426.13 | 388.94 | -114.61 | 503.55 |
| 57 | 431.72 | 326.91 | -150.54 | 477.45 |
| 58 | 437.30 | 201.86 | -208.31 | 410.17 |
| 59 | 442.88 | 46.03 | -273.17 | 319.20 |

C256 (LC6) Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 46.30 | -373.61 | 419.91 |
| 61 | 455.32 | 78.90 | -214.61 | 293.51 |
| 62 | 462.18 | 287.82 | -126.00 | 413.82 |
| 63 | 469.04 | 396.83 | -73.21 | 470.04 |
| 64 | 475.89 | 472.61 | -49.44 | 522.05 |
| 65 | 482.75 | 457.63 | -62.00 | 519.63 |
| 66 | 489.61 | 491.35 | -102.66 | 594.01 |
| 67 | 496.47 | 413.82 | -143.34 | 557.16 |
| 68 | 503.32 | 260.50 | -210.90 | 471.40 |
| 69 | 510.18 | 76.07 | -330.84 | 406.91 |
| 70 | 517.04 | 37.93 | -478.37 | 516.29 |
| 71 | 523.93 | 49.46 | -299.51 | 348.96 |
| 72 | 530.82 | 261.15 | -174.80 | 435.95 |
| 73 | 537.70 | 399.58 | -121.79 | 521.37 |
| 74 | 544.59 | 466.86 | -85.59 | 552.45 |
| 75 | 551.48 | 452.83 | -49.28 | 502.11 |
| 76 | 558.37 | 474.15 | -77.66 | 551.81 |
| 77 | 565.26 | 391.48 | -110.01 | 501.49 |
| 78 | 572.14 | 233.36 | -167.96 | 401.32 |
| 79 | 579.03 | 50.19 | -276.32 | 326.50 |
| 80 | 585.92 | 48.12 | -427.86 | 475.99 |
| 81 | 591.44 | 42.05 | -324.35 | 366.40 |
| 82 | 596.95 | 224.75 | -248.29 | 473.04 |
| 83 | 602.47 | 356.58 | -182.88 | 539.46 |
| 84 | 607.98 | 427.63 | -147.01 | 574.64 |
| 85 | 613.50 | 465.16 | -136.23 | 601.39 |
| 86 | 619.02 | 443.30 | -138.99 | 582.28 |
| 87 | 624.53 | 373.42 | -154.53 | 527.95 |
| 88 | 630.05 | 299.81 | -197.49 | 497.30 |
| 89 | 635.57 | 150.99 | -245.37 | 396.36 |
| 90 | 641.08 | 19.99 | -303.71 | 323.71 |
| 91 | 647.14 | 1.24 | -0.03 | 1.28 |

C256 (LC6) Service Loads - Girder 3.txt

Girder 3 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.82 | 57.77 | 64.75 |
| 53 | 409.40 | 42.46 | 51.11 |
| 54 | 414.98 | 29.52 | 42.08 |
| 55 | 420.56 | 21.71 | 40.22 |
| 56 | 426.14 | -28.51 | 43.15 |
| 57 | 431.72 | -38.61 | 43.52 |
| 58 | 437.30 | -44.16 | 46.18 |
| 59 | 442.88 | -56.13 | 58.16 |
| 60 | 448.46L | -68.60 | 70.63 |
| 60 | 448.46R | 74.26 | 81.03 |
| 61 | 455.32 | 66.12 | 72.90 |
| 62 | 462.18 | 48.58 | 56.89 |
| 63 | 469.04 | 41.81 | 53.54 |
| 64 | 475.90 | 31.61 | 55.51 |
| 65 | 482.76 | -32.67 | 60.94 |
| 66 | 489.62 | -34.42 | 53.77 |
| 67 | 496.48 | -43.53 | 51.65 |
| 68 | 503.34 | -51.20 | 54.14 |
| 69 | 510.20 | -63.84 | 66.77 |
| 70 | 517.06L | -75.78 | 78.71 |
| 70 | 517.06R | 79.39 | 84.66 |
| 71 | 523.99 | 72.34 | 77.61 |
| 72 | 530.93 | 58.55 | 63.83 |
| 73 | 537.87 | 48.03 | 57.52 |
| 74 | 544.81 | 37.81 | 58.50 |
| 75 | 551.75 | 32.33 | 56.49 |
| 76 | 558.68 | -32.99 | 54.47 |
| 77 | 565.62 | -44.10 | 56.13 |
| 78 | 572.56 | -51.33 | 57.11 |
| 79 | 579.50 | -63.85 | 69.63 |
| 80 | 586.44L | -77.32 | 83.10 |
| 80 | 586.44R | 76.81 | 84.30 |
| 81 | 591.88 | 66.62 | 74.11 |
| 82 | 597.33 | 54.40 | 61.88 |
| 83 | 602.78 | 47.83 | 57.48 |
| 84 | 608.23 | 39.86 | 51.41 |
| 85 | 613.67 | 29.76 | 48.49 |
| 86 | 619.12 | -28.27 | 47.69 |
| 87 | 624.57 | -29.72 | 44.54 |
| 88 | 630.02 | -40.34 | 48.43 |
| 89 | 635.46 | -48.62 | 55.51 |
| 90 | 640.91L | -63.00 | 69.89 |
| 90 | 640.91R | 75.15 | 82.15 |
| 91 | 647.03 | 65.25 | 71.36 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.82 | 95.69 | -12.10 | 107.78 |
| 53 | 409.40 | 323.01 | -52.03 | 375.04 |
| 54 | 414.98 | 446.41 | -91.96 | 538.37 |
| 55 | 420.56 | 432.74 | -143.26 | 576.00 |
| 56 | 426.14 | 455.07 | -193.18 | 648.25 |
| 57 | 431.72 | 393.25 | -243.10 | 636.36 |
| 58 | 437.30 | 250.36 | -303.30 | 553.66 |
| 59 | 442.88 | 80.08 | -369.37 | 449.45 |

C256 (LC6) Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 91.95 | -459.03 | 550.97 |
| 61 | 455.32 | 89.75 | -248.95 | 338.70 |
| 62 | 462.18 | 358.70 | -153.45 | 512.15 |
| 63 | 469.04 | 521.99 | -109.43 | 631.42 |
| 64 | 475.90 | 631.02 | -100.52 | 731.53 |
| 65 | 482.76 | 675.43 | -147.29 | 822.72 |
| 66 | 489.62 | 680.43 | -204.01 | 884.44 |
| 67 | 496.48 | 572.71 | -260.74 | 833.45 |
| 68 | 503.34 | 357.10 | -323.94 | 681.04 |
| 69 | 510.20 | 107.14 | -449.34 | 556.48 |
| 70 | 517.06 | 69.67 | -640.20 | 709.87 |
| 71 | 523.99 | 38.60 | -380.85 | 419.45 |
| 72 | 530.93 | 331.98 | -247.62 | 579.60 |
| 73 | 537.87 | 543.55 | -199.51 | 743.07 |
| 74 | 544.81 | 648.07 | -154.69 | 802.76 |
| 75 | 551.75 | 672.34 | -109.86 | 782.20 |
| 76 | 558.68 | 643.80 | -140.28 | 784.09 |
| 77 | 565.62 | 526.82 | -178.97 | 705.79 |
| 78 | 572.56 | 305.88 | -222.47 | 528.36 |
| 79 | 579.50 | 59.95 | -345.31 | 405.26 |
| 80 | 586.44 | 91.08 | -561.02 | 652.10 |
| 81 | 591.88 | 81.06 | -445.63 | 526.69 |
| 82 | 597.33 | 273.42 | -367.76 | 641.18 |
| 83 | 602.78 | 453.59 | -316.73 | 770.32 |
| 84 | 608.23 | 549.95 | -287.05 | 837.00 |
| 85 | 613.67 | 588.34 | -277.49 | 865.83 |
| 86 | 619.12 | 581.91 | -283.20 | 865.11 |
| 87 | 624.57 | 515.11 | -294.52 | 809.63 |
| 88 | 630.02 | 411.73 | -316.35 | 728.08 |
| 89 | 635.46 | 232.26 | -350.75 | 583.01 |
| 90 | 640.91 | 43.98 | -390.60 | 434.58 |
| 91 | 647.03 | 5.43 | -0.56 | 5.99 |

CPM200j

Service Loads

CPM200j Service Loads - Girder 1.txt

Girder 1 Permit Truck Service Shear - k

| Tenth Point | Location | Max LL+I | Range |
|-------------|----------|----------|-------|
| 52 | 403.79 | 56.54 | 63.83 |
| 53 | 409.37 | 42.42 | 49.71 |
| 54 | 414.96 | 29.97 | 37.27 |
| 55 | 420.54 | 20.13 | 28.56 |
| 56 | 426.13 | -20.30 | 30.68 |
| 57 | 431.71 | -33.04 | 34.72 |
| 58 | 437.30 | -46.04 | 47.86 |
| 59 | 442.88 | -60.60 | 62.43 |
| 60 | 448.46L | -72.82 | 74.64 |
| 60 | 448.46R | 83.36 | 89.50 |
| 61 | 455.32 | 71.22 | 77.36 |
| 62 | 462.18 | 57.79 | 63.93 |
| 63 | 469.04 | 42.44 | 48.31 |
| 64 | 475.89 | 29.59 | 36.85 |
| 65 | 482.75 | 21.76 | 31.96 |
| 66 | 489.61 | -25.29 | 34.88 |
| 67 | 496.47 | -40.01 | 42.56 |
| 68 | 503.32 | -50.64 | 53.31 |
| 69 | 510.18 | -66.71 | 69.38 |
| 70 | 517.04L | -80.21 | 82.88 |
| 70 | 517.04R | 83.48 | 87.93 |
| 71 | 523.88 | 70.71 | 75.15 |
| 72 | 530.72 | 56.26 | 60.71 |
| 73 | 537.56 | 44.38 | 48.43 |
| 74 | 544.40 | 29.52 | 36.62 |
| 75 | 551.24 | -26.44 | 43.52 |
| 76 | 558.08 | -26.44 | 35.28 |
| 77 | 564.92 | -40.64 | 45.66 |
| 78 | 571.76 | -51.30 | 56.62 |
| 79 | 578.60 | -67.30 | 72.62 |
| 80 | 585.43L | -83.00 | 88.33 |
| 80 | 585.43R | 80.38 | 85.52 |
| 81 | 591.02 | 69.03 | 74.16 |
| 82 | 596.60 | 54.36 | 59.50 |
| 83 | 602.19 | 43.01 | 48.15 |
| 84 | 607.77 | 33.86 | 39.23 |
| 85 | 613.35 | 23.27 | 32.90 |
| 86 | 618.94 | -20.43 | 31.53 |
| 87 | 624.52 | -27.12 | 32.41 |
| 88 | 630.10 | -43.23 | 48.52 |
| 89 | 635.69 | -55.36 | 60.65 |
| 90 | 641.27L | -69.35 | 74.64 |
| 90 | 641.27R | 78.70 | 85.27 |
| 91 | 647.26 | 68.18 | 74.76 |

Girder 1 Permit Truck Service Moment - k-ft

| Tenth Point | Location | Max LL+I | Min LL+I | Range |
|-------------|----------|----------|----------|--------|
| 52 | 403.79 | 97.05 | -12.01 | 109.06 |
| 53 | 409.37 | 334.56 | -52.29 | 386.85 |
| 54 | 414.96 | 471.94 | -92.57 | 564.51 |
| 55 | 420.54 | 453.42 | -134.81 | 588.23 |
| 56 | 426.13 | 448.75 | -178.80 | 627.55 |
| 57 | 431.71 | 370.51 | -222.78 | 593.29 |
| 58 | 437.30 | 165.11 | -272.47 | 437.58 |

CPM200j Service Loads - Girder 1.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 67.48 | -386.60 | 454.08 |
| 60 | 448.46 | 77.45 | -582.45 | 659.89 |
| 61 | 455.32 | 46.35 | -192.79 | 239.14 |
| 62 | 462.18 | 308.79 | -118.60 | 427.38 |
| 63 | 469.04 | 549.87 | -94.50 | 644.38 |
| 64 | 475.89 | 704.49 | -85.16 | 789.65 |
| 65 | 482.75 | 741.29 | -124.67 | 865.96 |
| 66 | 489.61 | 712.60 | -171.77 | 884.37 |
| 67 | 496.47 | 563.36 | -218.88 | 782.23 |
| 68 | 503.32 | 283.33 | -270.90 | 554.23 |
| 69 | 510.18 | 43.72 | -366.06 | 409.78 |
| 70 | 517.04 | 50.62 | -619.96 | 670.58 |
| 71 | 523.88 | 26.83 | -304.52 | 331.34 |
| 72 | 530.72 | 270.68 | -235.76 | 506.44 |
| 73 | 537.56 | 530.85 | -185.26 | 716.11 |
| 74 | 544.40 | 677.88 | -144.10 | 821.98 |
| 75 | 551.24 | 721.76 | -102.95 | 824.70 |
| 76 | 558.08 | 686.72 | -109.45 | 796.17 |
| 77 | 564.92 | 536.15 | -140.20 | 676.35 |
| 78 | 571.76 | 260.12 | -176.14 | 436.26 |
| 79 | 578.60 | 42.86 | -284.81 | 327.67 |
| 80 | 585.43 | 72.02 | -597.36 | 669.38 |
| 81 | 591.02 | 63.37 | -362.53 | 425.90 |
| 82 | 596.60 | 181.12 | -273.10 | 454.22 |
| 83 | 602.19 | 390.80 | -228.26 | 619.07 |
| 84 | 607.77 | 521.41 | -183.19 | 704.60 |
| 85 | 613.35 | 594.97 | -149.87 | 744.83 |
| 86 | 618.94 | 570.49 | -116.54 | 687.04 |
| 87 | 624.52 | 471.84 | -146.73 | 618.57 |
| 88 | 630.10 | 307.52 | -183.20 | 490.72 |
| 89 | 635.69 | 165.65 | -219.67 | 385.32 |
| 90 | 641.27 | 38.19 | -397.53 | 435.72 |
| 91 | 647.26 | 2.46 | -0.51 | 2.97 |

Girder 2 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.80 | 55.76 | 59.49 |
| 53 | 409.38 | 38.51 | 42.24 |
| 54 | 414.97 | 25.96 | 29.70 |
| 55 | 420.55 | 23.73 | 30.20 |
| 56 | 426.13 | -20.20 | 32.64 |
| 57 | 431.72 | -32.37 | 35.83 |
| 58 | 437.30 | -41.47 | 42.59 |
| 59 | 442.88 | -58.14 | 59.26 |
| 60 | 448.46L | -70.79 | 71.91 |
| 60 | 448.46R | 74.17 | 77.04 |
| 61 | 455.32 | 61.60 | 64.46 |
| 62 | 462.18 | 45.55 | 48.41 |
| 63 | 469.04 | 37.34 | 40.42 |
| 64 | 475.89 | 23.61 | 34.41 |
| 65 | 482.75 | 21.53 | 40.29 |
| 66 | 489.61 | -20.89 | 35.63 |
| 67 | 496.47 | -37.49 | 39.73 |
| 68 | 503.32 | -41.14 | 42.37 |
| 69 | 510.18 | -60.93 | 62.16 |
| 70 | 517.04L | -74.94 | 76.17 |
| 70 | 517.04R | 76.16 | 78.22 |
| 71 | 523.93 | 62.66 | 64.72 |
| 72 | 530.82 | 45.88 | 47.95 |
| 73 | 537.70 | 40.28 | 42.32 |
| 74 | 544.59 | 24.35 | 38.77 |
| 75 | 551.48 | -26.54 | 37.22 |
| 76 | 558.37 | -21.96 | 36.15 |
| 77 | 565.26 | -37.90 | 41.23 |
| 78 | 572.14 | -41.77 | 44.40 |
| 79 | 579.03 | -61.79 | 64.42 |
| 80 | 585.92L | -75.89 | 78.52 |
| 80 | 585.92R | 74.89 | 77.82 |
| 81 | 591.44 | 63.64 | 66.57 |
| 82 | 596.95 | 47.44 | 50.37 |
| 83 | 602.47 | 35.28 | 38.21 |
| 84 | 607.98 | 32.99 | 36.73 |
| 85 | 613.50 | 21.58 | 34.73 |
| 86 | 619.02 | -24.76 | 34.58 |
| 87 | 624.53 | -23.87 | 30.82 |
| 88 | 630.05 | -41.19 | 44.65 |
| 89 | 635.57 | -55.02 | 58.48 |
| 90 | 641.08L | -66.20 | 69.66 |
| 90 | 641.08R | 70.25 | 73.49 |
| 91 | 647.14 | 58.86 | 61.69 |

Girder 2 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.80 | 94.99 | -6.19 | 101.18 |
| 53 | 409.38 | 316.96 | -26.80 | 343.75 |
| 54 | 414.97 | 422.91 | -47.40 | 470.31 |
| 55 | 420.55 | 388.85 | -73.44 | 462.28 |
| 56 | 426.13 | 399.65 | -104.18 | 503.83 |
| 57 | 431.72 | 326.04 | -134.93 | 460.98 |
| 58 | 437.30 | 138.94 | -181.86 | 320.80 |
| 59 | 442.88 | 37.66 | -294.47 | 332.13 |

CPM200j Service Loads - Girder 2.txt

| | | | | |
|----|--------|--------|---------|--------|
| 60 | 448.46 | 42.89 | -488.62 | 531.51 |
| 61 | 455.32 | 23.36 | -163.23 | 186.59 |
| 62 | 462.18 | 252.92 | -90.05 | 342.96 |
| 63 | 469.04 | 421.33 | -60.85 | 482.19 |
| 64 | 475.89 | 530.19 | -41.75 | 571.94 |
| 65 | 482.75 | 516.90 | -58.40 | 575.30 |
| 66 | 489.61 | 532.90 | -95.13 | 628.02 |
| 67 | 496.47 | 425.64 | -131.88 | 557.52 |
| 68 | 503.32 | 210.26 | -183.29 | 393.55 |
| 69 | 510.18 | 24.04 | -288.41 | 312.45 |
| 70 | 517.04 | 28.68 | -530.50 | 559.18 |
| 71 | 523.93 | 16.05 | -235.59 | 251.64 |
| 72 | 530.82 | 228.59 | -159.10 | 387.69 |
| 73 | 537.70 | 418.14 | -111.92 | 530.06 |
| 74 | 544.59 | 520.89 | -79.24 | 600.13 |
| 75 | 551.48 | 515.46 | -46.47 | 561.93 |
| 76 | 558.37 | 523.69 | -58.60 | 582.30 |
| 77 | 565.26 | 409.65 | -83.09 | 492.74 |
| 78 | 572.14 | 186.30 | -120.01 | 306.31 |
| 79 | 579.03 | 26.96 | -238.62 | 265.58 |
| 80 | 585.92 | 44.47 | -545.61 | 590.08 |
| 81 | 591.44 | 38.93 | -317.52 | 356.45 |
| 82 | 596.95 | 159.02 | -221.46 | 380.48 |
| 83 | 602.47 | 330.76 | -174.74 | 505.51 |
| 84 | 607.98 | 432.81 | -127.14 | 559.95 |
| 85 | 613.50 | 492.34 | -98.95 | 591.29 |
| 86 | 619.02 | 458.48 | -70.75 | 529.23 |
| 87 | 624.53 | 359.22 | -94.77 | 453.99 |
| 88 | 630.05 | 232.92 | -130.88 | 363.80 |
| 89 | 635.57 | 103.68 | -180.82 | 284.50 |
| 90 | 641.08 | 19.35 | -362.16 | 381.51 |
| 91 | 647.14 | 1.34 | -0.03 | 1.38 |

Girder 3 Permit Truck Service Shear - k

| Tenth
Point | Location | Max LL+I | Range |
|----------------|----------|----------|-------|
| 52 | 403.82 | 56.52 | 63.81 |
| 53 | 409.40 | 42.32 | 49.62 |
| 54 | 414.98 | 29.88 | 37.18 |
| 55 | 420.56 | 20.17 | 28.64 |
| 56 | 426.14 | -20.35 | 30.70 |
| 57 | 431.72 | -33.03 | 34.88 |
| 58 | 437.30 | -46.13 | 48.13 |
| 59 | 442.88 | -60.71 | 62.71 |
| 60 | 448.46L | -72.85 | 74.86 |
| 60 | 448.46R | 83.44 | 90.17 |
| 61 | 455.32 | 71.34 | 78.07 |
| 62 | 462.18 | 57.92 | 64.65 |
| 63 | 469.04 | 42.56 | 49.00 |
| 64 | 475.90 | 29.73 | 36.99 |
| 65 | 482.76 | 20.25 | 34.67 |
| 66 | 489.62 | -25.13 | 34.79 |
| 67 | 496.48 | -39.90 | 42.43 |
| 68 | 503.34 | -50.63 | 53.27 |
| 69 | 510.20 | -66.83 | 69.47 |
| 70 | 517.06L | -81.04 | 83.68 |
| 70 | 517.06R | 86.25 | 90.69 |
| 71 | 523.99 | 73.65 | 78.09 |
| 72 | 530.93 | 59.20 | 63.64 |
| 73 | 537.87 | 45.98 | 49.91 |
| 74 | 544.81 | 31.17 | 37.87 |
| 75 | 551.75 | 23.65 | 36.33 |
| 76 | 558.68 | -27.22 | 36.11 |
| 77 | 565.62 | -41.46 | 46.72 |
| 78 | 572.56 | -54.95 | 60.63 |
| 79 | 579.50 | -69.17 | 74.85 |
| 80 | 586.44L | -86.27 | 91.94 |
| 80 | 586.44R | 81.68 | 87.35 |
| 81 | 591.88 | 70.03 | 75.70 |
| 82 | 597.33 | 55.41 | 61.07 |
| 83 | 602.78 | 44.01 | 49.68 |
| 84 | 608.23 | 33.40 | 39.36 |
| 85 | 613.67 | 22.82 | 33.95 |
| 86 | 619.12 | -21.03 | 32.98 |
| 87 | 624.57 | -30.78 | 38.14 |
| 88 | 630.02 | -46.40 | 53.76 |
| 89 | 635.46 | -59.29 | 66.65 |
| 90 | 640.91L | -70.49 | 77.84 |
| 90 | 640.91R | 81.05 | 88.44 |
| 91 | 647.03 | 67.87 | 74.34 |

Girder 3 Permit Truck Service Moment - k-ft

| Tenth
Point | Location | Max LL+I | Min LL+I | Range |
|----------------|----------|----------|----------|--------|
| 52 | 403.82 | 98.37 | -12.19 | 110.56 |
| 53 | 409.40 | 335.33 | -52.46 | 387.79 |
| 54 | 414.98 | 472.10 | -92.72 | 564.82 |
| 55 | 420.56 | 453.24 | -135.04 | 588.28 |
| 56 | 426.14 | 448.67 | -179.09 | 627.76 |
| 57 | 431.72 | 370.67 | -223.13 | 593.80 |
| 58 | 437.30 | 165.28 | -272.60 | 437.89 |

CPM200j Service Loads - Girder 3.txt

| | | | | |
|----|--------|--------|---------|--------|
| 59 | 442.88 | 74.79 | -388.06 | 462.85 |
| 60 | 448.46 | 85.86 | -583.93 | 669.79 |
| 61 | 455.32 | 46.17 | -192.97 | 239.14 |
| 62 | 462.18 | 309.04 | -118.61 | 427.65 |
| 63 | 469.04 | 550.92 | -94.58 | 645.49 |
| 64 | 475.90 | 705.91 | -94.09 | 800.00 |
| 65 | 482.76 | 744.10 | -137.80 | 881.90 |
| 66 | 489.62 | 715.67 | -190.50 | 906.18 |
| 67 | 496.48 | 565.84 | -243.21 | 809.05 |
| 68 | 503.34 | 287.01 | -301.70 | 588.71 |
| 69 | 510.20 | 45.11 | -398.77 | 443.88 |
| 70 | 517.06 | 52.37 | -655.88 | 708.25 |
| 71 | 523.99 | 26.35 | -301.61 | 327.96 |
| 72 | 530.93 | 281.77 | -234.43 | 516.19 |
| 73 | 537.87 | 558.37 | -186.13 | 744.50 |
| 74 | 544.81 | 709.18 | -144.50 | 853.68 |
| 75 | 551.75 | 752.91 | -102.85 | 855.77 |
| 76 | 558.68 | 709.20 | -105.29 | 814.49 |
| 77 | 565.62 | 544.68 | -134.27 | 678.95 |
| 78 | 572.56 | 241.24 | -166.85 | 408.09 |
| 79 | 579.50 | 46.02 | -287.33 | 333.35 |
| 80 | 586.44 | 85.06 | -673.98 | 759.04 |
| 81 | 591.88 | 75.73 | -440.08 | 515.81 |
| 82 | 597.33 | 179.57 | -347.75 | 527.32 |
| 83 | 602.78 | 384.08 | -298.36 | 682.44 |
| 84 | 608.23 | 518.76 | -239.02 | 757.79 |
| 85 | 613.67 | 598.52 | -196.98 | 795.51 |
| 86 | 619.12 | 579.95 | -154.95 | 734.90 |
| 87 | 624.57 | 472.86 | -158.71 | 631.57 |
| 88 | 630.02 | 311.05 | -194.38 | 505.43 |
| 89 | 635.46 | 151.50 | -234.82 | 386.33 |
| 90 | 640.91 | 44.85 | -422.66 | 467.51 |
| 91 | 647.03 | 5.78 | -0.57 | 6.35 |

Diaphragm
Service Loads

HS20 Bracing Loads

Girder 1 Service Bracing Shear - k

Bracing Loads - HS20.txt

| Node | Noncomp
Dead | Super-
Imposed
Dead | Max
Live+
Impact | Min
Live+
Impact | Sidewalk |
|----------------|-----------------|---------------------------|------------------------|------------------------|----------|
| 1 | 0.00 | 0.00 | 2.22 | -2.26 | 0.00 |
| 2 | 0.05 | 0.00 | 0.97 | -0.93 | 0.00 |
| 5 | 0.17 | 0.01 | 3.29 | -3.20 | 0.00 |
| 10 | 0.10 | -0.02 | 4.00 | -3.95 | 0.00 |
| 13 | 0.21 | 0.01 | 5.49 | -5.41 | 0.00 |
| 16 | 0.09 | 0.00 | 2.95 | -3.06 | 0.00 |
| 19 | 0.07 | 0.02 | 0.07 | -0.03 | 0.00 |
| 22 | 0.01 | -0.01 | 2.74 | -2.75 | 0.00 |
| 25 | 0.11 | -0.01 | 4.26 | -4.34 | 0.00 |
| 28 | 0.21 | 0.01 | 4.84 | -4.78 | 0.00 |
| 31 | 0.17 | -0.01 | 4.57 | -4.50 | 0.00 |
| 34 | 0.15 | 0.00 | 3.64 | -3.60 | 0.00 |
| 37 | 0.08 | 0.00 | 2.18 | -2.17 | 0.00 |
| 40 | -0.08 | -0.03 | 0.01 | -0.06 | 0.00 |
| 43 | 0.03 | 0.01 | 1.18 | -1.16 | 0.00 |
| 46 | 0.02 | 0.00 | 1.96 | -1.80 | 0.00 |
| 49 | 0.35 | 0.00 | 10.87 | -10.85 | 0.00 |
| 52 | 0.37 | -0.01 | 6.21 | -6.18 | 0.00 |
| 55 | 0.35 | 0.01 | 6.65 | -6.58 | 0.00 |
| 58 | 0.16 | -0.01 | 9.83 | -9.82 | 0.00 |
| 61 | 0.00 | 0.00 | 0.77 | -0.76 | 0.00 |
| 64 | 0.01 | 0.01 | 0.04 | -0.04 | 0.00 |
| 67 | 0.08 | 0.00 | 2.05 | -1.87 | 0.00 |
| 70 | 0.17 | 0.00 | 4.25 | -4.05 | 0.00 |
| 73 | 0.23 | 0.01 | 4.92 | -4.70 | 0.00 |
| 76 | 0.10 | -0.01 | 3.67 | -3.68 | 0.00 |
| 79 | -0.01 | 0.00 | 2.89 | -2.56 | 0.00 |
| 82 | -0.27 | -0.06 | 1.45 | -1.63 | 0.00 |
| 85 | -0.02 | -0.05 | 5.73 | -5.87 | 0.00 |
| 88 | 0.36 | 0.02 | 6.92 | -6.87 | 0.00 |
| 91 | 0.39 | 0.00 | 6.61 | -6.57 | 0.00 |
| 94 | 0.49 | 0.04 | 6.71 | -6.61 | 0.00 |
| 97 | 0.27 | -0.02 | 7.19 | -7.20 | 0.00 |
| 100 | 0.12 | -0.02 | 6.28 | -6.37 | 0.00 |
| 103 | -0.05 | -0.02 | 1.46 | -1.62 | 0.00 |
| Brace 36 → 106 | 0.00 | 0.00 | 2.16 | -1.93 | 0.00 |
| 109 | 0.13 | 0.00 | 4.77 | -4.73 | 0.00 |
| 112 | 0.08 | 0.00 | 4.37 | -4.29 | 0.00 |
| 115 | -0.05 | -0.01 | 1.67 | -1.69 | 0.00 |
| 118 | 0.13 | 0.00 | 5.34 | -5.43 | 0.00 |
| 121 | 0.17 | -0.03 | 7.59 | -7.53 | 0.00 |
| 124 | 0.00 | -0.04 | 5.41 | -5.54 | 0.00 |
| 127 | 0.33 | 0.12 | 1.96 | -1.57 | 0.00 |
| 130 | 0.12 | -0.09 | 4.85 | -5.46 | 0.00 |
| 133 | -0.32 | -0.25 | 7.19 | -8.04 | 0.00 |
| 136 | -0.06 | -0.14 | 5.30 | -5.92 | 0.00 |
| 139 | 0.92 | 0.33 | 1.49 | -1.02 | 0.00 |
| 142 | -0.04 | -0.08 | 5.58 | -6.06 | 0.00 |
| 145 | -0.24 | -0.16 | 6.15 | -6.70 | 0.00 |
| 150 | 0.29 | 0.12 | 1.98 | -1.76 | 0.00 |
| Brace 51 → 153 | -0.04 | -0.03 | 7.91 | -8.44 | 0.00 |
| 154 | -0.24 | -0.10 | 4.60 | -4.83 | 0.00 |
| 157 | -0.16 | -0.11 | 5.81 | -6.17 | 0.00 |
| 160 | 0.12 | -0.01 | 3.50 | -3.65 | 0.00 |
| 163 | 0.76 | 0.26 | 1.81 | -1.10 | 0.00 |
| 166 | 0.11 | 0.00 | 3.23 | -3.46 | 0.00 |
| 169 | -0.15 | -0.09 | 5.68 | -6.00 | 0.00 |
| 172 | -0.15 | -0.12 | 5.72 | -6.21 | 0.00 |
| 175 | 0.13 | -0.03 | 3.18 | -3.59 | 0.00 |

Dummy Spans

Bridge 69801 D - span 1

Bridge 69801 D - span 2

Bridge 69801 D - span 3

Bridge 69801 D - span 4

Bridge 69801 D - span 5

Dummy Spans

| Bracing Loads - HS20.txt | | | | | |
|--------------------------|-------|-------|------|-------|------|
| 178 | 0.73 | 0.26 | 0.83 | -0.36 | 0.00 |
| 181 | 0.14 | 0.00 | 3.17 | -3.37 | 0.00 |
| 184 | -0.11 | -0.15 | 5.63 | -6.20 | 0.00 |
| 187 | -0.19 | -0.20 | 5.51 | -6.35 | 0.00 |
| 190 | 0.09 | -0.04 | 2.99 | -3.45 | 0.00 |
| 193 | 0.78 | 0.28 | 0.86 | -0.30 | 0.00 |
| 196 | 0.14 | -0.06 | 2.87 | -3.54 | 0.00 |
| 199 | -0.14 | -0.17 | 5.66 | -6.27 | 0.00 |
| 202 | -0.17 | -0.19 | 5.60 | -6.30 | 0.00 |
| 205 | 0.11 | -0.05 | 3.34 | -3.77 | 0.00 |
| 208 | 0.75 | 0.25 | 1.09 | -0.91 | 0.00 |
| 211 | 0.11 | -0.03 | 3.47 | -3.69 | 0.00 |
| 214 | -0.17 | -0.14 | 5.47 | -5.90 | 0.00 |
| 217 | -0.19 | -0.13 | 3.67 | -4.13 | 0.00 |
| 220 | 0.00 | -0.02 | 2.62 | -2.75 | 0.00 |

Girder 1 Service Bracing Moment - k-ft

| Node | Noncomp
Dead | Super-
Imposed
Dead | Max
Live+
Impact | Min
Live+
Impact | Sidewalk |
|------|-----------------|---------------------------|------------------------|------------------------|----------|
| 1 | 0.00 | 0.00 | 12.08 | -11.84 | 0.00 |
| 3 | 0.02 | 0.00 | 7.36 | -7.45 | 0.00 |
| 2 | 0.07 | 0.02 | 1.88 | -2.05 | 0.00 |
| 4 | 0.51 | -0.01 | 8.16 | -8.12 | 0.00 |
| 5 | -0.20 | -0.06 | 6.73 | -7.26 | 0.00 |
| 8 | 1.38 | 0.05 | 22.94 | -22.66 | 0.00 |
| 10 | 0.26 | 0.09 | 8.68 | -8.51 | 0.00 |
| 11 | 1.20 | -0.06 | 28.31 | -28.27 | 0.00 |
| 13 | -0.12 | -0.05 | 8.06 | -8.32 | 0.00 |
| 14 | 1.79 | 0.05 | 42.30 | -41.94 | 0.00 |
| 16 | -0.01 | 0.00 | 8.88 | -8.96 | 0.00 |
| 17 | 0.82 | 0.01 | 29.11 | -29.06 | 0.00 |
| 19 | -0.45 | -0.16 | 0.19 | -0.38 | 0.00 |
| 20 | 0.19 | 0.06 | 0.18 | -0.09 | 0.00 |
| 22 | 0.19 | 0.05 | 0.28 | -0.24 | 0.00 |
| 23 | 0.25 | -0.03 | 23.64 | -23.65 | 0.00 |
| 25 | 0.05 | 0.04 | 6.85 | -7.88 | 0.00 |
| 26 | 1.07 | -0.03 | 35.72 | -35.75 | 0.00 |
| 28 | -0.16 | -0.06 | 5.58 | -5.55 | 0.00 |
| 29 | 1.72 | 0.03 | 38.74 | -38.46 | 0.00 |
| 31 | 0.17 | 0.06 | 5.99 | -5.49 | 0.00 |
| 32 | 1.73 | 0.00 | 36.17 | -35.92 | 0.00 |
| 34 | -0.09 | -0.05 | 7.29 | -7.89 | 0.00 |
| 35 | 1.28 | -0.01 | 30.45 | -30.39 | 0.00 |
| 37 | -0.15 | -0.03 | 0.40 | -0.43 | 0.00 |
| 38 | 0.55 | -0.01 | 18.60 | -18.56 | 0.00 |
| 40 | 0.56 | 0.20 | 0.38 | -0.09 | 0.00 |
| 41 | -0.13 | -0.04 | 0.02 | -0.10 | 0.00 |

Bracing Loads - HS20.txt

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 43 | -0.19 | -0.06 | 0.35 | -0.48 | 0.00 |
| 44 | 0.08 | 0.03 | 9.91 | -9.84 | 0.00 |
| 46 | -0.03 | -0.02 | 5.44 | -6.12 | 0.00 |
| 47 | 0.16 | 0.01 | 11.91 | -11.86 | 0.00 |
| 49 | 0.20 | 0.08 | 4.39 | -3.45 | 0.00 |
| 50 | 3.32 | 0.06 | 93.55 | -93.07 | 0.00 |
| 52 | 0.00 | 0.00 | 4.91 | -4.23 | 0.00 |
| 53 | 3.29 | -0.04 | 53.83 | -53.71 | 0.00 |
| 55 | -0.23 | -0.10 | 3.99 | -3.72 | 0.00 |
| 56 | 2.95 | 0.00 | 57.32 | -57.05 | 0.00 |
| 58 | 0.10 | 0.05 | 6.69 | -7.13 | 0.00 |
| 59 | 1.56 | 0.00 | 83.38 | -83.18 | 0.00 |
| 61 | 0.01 | 0.00 | 0.18 | -0.18 | 0.00 |
| 62 | 0.00 | 0.01 | 6.55 | -6.52 | 0.00 |
| 64 | -0.08 | -0.03 | 0.23 | -0.23 | 0.00 |
| 65 | 0.04 | 0.02 | 0.10 | -0.09 | 0.00 |
| 67 | 0.01 | 0.00 | 8.31 | -8.45 | 0.00 |
| 68 | 0.69 | 0.00 | 15.44 | -15.36 | 0.00 |
| 70 | 0.01 | 0.00 | 6.80 | -6.73 | 0.00 |
| 71 | 1.53 | 0.00 | 31.35 | -30.94 | 0.00 |
| 73 | -0.21 | -0.07 | 8.27 | -8.15 | 0.00 |
| 74 | 1.82 | 0.01 | 36.24 | -35.42 | 0.00 |
| 76 | 0.31 | 0.11 | 4.86 | -4.59 | 0.00 |
| 77 | 1.20 | -0.01 | 28.63 | -28.48 | 0.00 |
| 79 | 0.00 | 0.01 | 11.06 | -11.17 | 0.00 |
| 80 | -0.04 | -0.02 | 18.15 | -18.27 | 0.00 |
| 82 | -0.15 | -0.06 | 8.86 | -8.48 | 0.00 |
| 83 | -2.60 | -0.60 | 3.89 | -5.08 | 0.00 |
| 85 | 0.40 | 0.13 | 4.33 | -4.94 | 0.00 |
| 86 | 0.21 | -0.33 | 47.79 | -48.14 | 0.00 |
| 88 | -0.01 | -0.02 | 6.68 | -6.89 | 0.00 |
| 89 | 3.22 | 0.14 | 57.75 | -57.31 | 0.00 |
| 91 | -1.10 | -0.34 | 6.91 | -7.00 | 0.00 |
| 92 | 2.41 | -0.33 | 55.39 | -55.69 | 0.00 |
| 94 | -0.09 | -0.05 | 7.45 | -6.96 | 0.00 |
| 95 | 4.35 | 0.28 | 56.31 | -55.57 | 0.00 |
| 97 | 0.07 | 0.03 | 6.80 | -6.84 | 0.00 |
| 98 | 2.51 | -0.14 | 60.01 | -60.07 | 0.00 |
| 100 | 0.53 | 0.16 | 4.57 | -5.10 | 0.00 |
| 101 | 1.63 | 0.03 | 52.25 | -52.16 | 0.00 |
| 103 | 0.17 | 0.07 | 9.27 | -8.29 | 0.00 |
| 104 | -0.24 | -0.08 | 3.99 | -4.58 | 0.00 |

Brace 36 →

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 106 | 0.00 | 0.00 | 11.53 | -10.43 | 0.00 |
| 107 | -0.03 | -0.01 | 9.55 | -10.46 | 0.00 |
| 109 | -0.09 | -0.03 | 8.04 | -8.28 | 0.00 |

Dummy spans

Bridge 698010-SPAN I



Bracing Loads - HS20.txt

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 110 | 1.07 | 0.00 | 34.44 | -34.27 | 0.00 |
| 112 | 0.04 | 0.02 | 5.44 | -6.05 | 0.00 |
| 113 | 0.74 | 0.01 | 34.00 | -33.91 | 0.00 |
| 115 | 0.33 | 0.10 | 9.49 | -9.33 | 0.00 |
| 116 | -0.08 | -0.02 | 5.06 | -5.07 | 0.00 |
| 118 | 0.00 | -0.03 | 7.65 | -8.16 | 0.00 |
| 119 | 1.18 | -0.02 | 40.99 | -41.01 | 0.00 |
| 121 | 0.00 | 0.03 | 17.54 | -17.39 | 0.00 |
| 122 | 1.50 | -0.22 | 53.68 | -53.78 | 0.00 |
| 124 | 0.02 | 0.05 | 8.27 | -7.87 | 0.00 |
| 125 | 0.06 | -0.29 | 41.77 | -42.10 | 0.00 |
| 127 | -1.80 | -0.65 | 8.87 | -10.87 | 0.00 |
| 128 | 1.18 | 0.42 | 6.11 | -4.74 | 0.00 |
| 130 | 0.08 | 0.45 | 10.98 | -7.27 | 0.00 |
| 131 | 1.16 | -0.39 | 39.55 | -42.50 | 0.00 |
| 133 | 2.86 | 1.20 | 20.25 | -15.71 | 0.00 |
| 134 | -0.04 | -1.02 | 51.47 | -54.89 | 0.00 |
| 136 | 0.91 | 0.59 | 12.11 | -9.12 | 0.00 |
| 137 | 0.33 | -0.64 | 40.18 | -42.70 | 0.00 |
| 139 | -5.56 | -1.94 | 6.37 | -8.67 | 0.00 |
| 140 | 2.76 | 1.04 | 4.18 | -2.50 | 0.00 |
| 142 | 1.02 | 0.47 | 12.83 | -10.91 | 0.00 |
| 143 | 0.69 | -0.29 | 40.22 | -42.25 | 0.00 |
| 145 | 2.28 | 0.95 | 18.02 | -14.95 | 0.00 |
| 146 | 0.10 | -0.46 | 42.19 | -44.13 | 0.00 |
| 150 | -1.74 | -0.73 | 10.05 | -10.55 | 0.00 |
| 149 | 0.84 | 0.37 | 6.71 | -5.29 | 0.00 |
| 153 | 0.01 | 0.19 | 12.75 | -12.43 | 0.00 |
| 152 | -0.36 | -0.04 | 70.94 | -71.32 | 0.00 |
| 154 | 2.21 | 0.64 | 10.99 | -8.59 | 0.00 |
| 155 | 0.05 | -0.26 | 33.65 | -34.09 | 0.00 |
| 157 | 1.96 | 0.78 | 16.37 | -13.60 | 0.00 |
| 158 | 0.48 | -0.24 | 40.52 | -41.34 | 0.00 |
| 160 | -0.28 | 0.17 | 7.28 | -5.96 | 0.00 |
| 161 | 0.83 | 0.12 | 26.89 | -26.92 | 0.00 |
| 163 | -4.59 | -1.56 | 6.35 | -9.51 | 0.00 |
| 164 | 2.31 | 0.80 | 6.31 | -3.33 | 0.00 |
| 166 | -0.25 | 0.13 | 9.47 | -8.75 | 0.00 |
| 167 | 0.77 | 0.16 | 28.66 | -28.10 | 0.00 |
| 169 | 1.94 | 0.82 | 12.91 | -10.20 | 0.00 |
| 170 | 0.57 | 0.00 | 42.82 | -42.95 | 0.00 |
| 172 | 1.69 | 0.86 | 13.94 | -10.55 | 0.00 |
| 173 | 0.37 | -0.22 | 42.76 | -44.18 | 0.00 |
| 175 | -0.37 | 0.20 | 9.65 | -7.09 | 0.00 |
| 176 | 0.83 | -0.04 | 28.27 | -29.21 | 0.00 |

B Bridge 69801 D-Span 1

Bridge 69801 D-Span 2

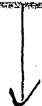
Bridge 69801 D-Span 3

Bridge 69801 D-Span 4

Brace SI →

Bridge 69801 D-Span 5

Dummy Spans



Bracing Loads - HS20.txt

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 178 | -4.14 | -1.49 | 0.73 | -2.85 | 0.00 |
| 179 | 2.49 | 0.89 | 4.91 | -2.37 | 0.00 |
| 181 | -0.49 | -0.01 | 8.97 | -8.19 | 0.00 |
| 182 | 0.78 | 0.03 | 28.12 | -28.35 | 0.00 |
| 184 | 1.41 | 0.69 | 13.13 | -10.46 | 0.00 |
| 185 | 0.45 | -0.66 | 42.15 | -44.44 | 0.00 |
| 187 | 1.83 | 0.94 | 13.69 | -9.94 | 0.00 |
| 188 | 0.09 | -0.90 | 41.48 | -45.07 | 0.00 |
| 190 | -0.43 | 0.10 | 9.37 | -7.99 | 0.00 |
| 191 | 0.42 | -0.28 | 26.78 | -28.72 | 0.00 |
| 193 | -4.87 | -1.70 | 0.99 | -3.46 | 0.00 |
| 194 | 2.16 | 0.78 | 4.20 | -1.66 | 0.00 |
| 196 | -0.53 | 0.11 | 10.71 | -8.90 | 0.00 |
| 197 | 0.77 | -0.42 | 25.70 | -28.24 | 0.00 |
| 199 | 1.56 | 0.63 | 14.45 | -12.32 | 0.00 |
| 200 | 0.34 | -0.88 | 41.15 | -44.38 | 0.00 |
| 202 | 1.72 | 0.72 | 14.99 | -12.53 | 0.00 |
| 203 | 0.16 | -0.98 | 40.13 | -43.84 | 0.00 |
| 205 | -0.25 | 0.15 | 7.53 | -5.54 | 0.00 |
| 206 | 0.70 | -0.32 | 26.09 | -28.18 | 0.00 |
| 208 | -4.24 | -1.37 | 4.44 | -6.01 | 0.00 |
| 209 | 2.52 | 0.84 | 4.09 | -3.58 | 0.00 |
| 211 | -0.23 | 0.08 | 6.17 | -6.31 | 0.00 |
| 212 | 0.78 | -0.21 | 26.03 | -27.12 | 0.00 |
| 214 | 2.01 | 0.72 | 15.68 | -13.53 | 0.00 |
| 215 | 0.49 | -0.52 | 37.18 | -39.03 | 0.00 |
| 217 | 1.79 | 0.66 | 10.59 | -8.52 | 0.00 |
| 218 | 0.08 | -0.51 | 25.67 | -27.48 | 0.00 |
| 220 | 0.01 | 0.15 | 14.74 | -13.93 | 0.00 |
| 221 | 0.02 | -0.05 | 8.72 | -9.10 | 0.00 |

Girder 2 Service Bracing Shear - k

| Node | Noncomp
Dead | Super-
Imposed
Dead | Max
Live+
Impact | Min
Live+
Impact | Sidewalk |
|------|-----------------|---------------------------|------------------------|------------------------|----------|
| 3 | 0.00 | 0.00 | 2.26 | -2.22 | 0.00 |
| 4 | -0.07 | 0.00 | 0.92 | -0.98 | 0.00 |
| 8 | -0.11 | 0.01 | 3.24 | -3.28 | 0.00 |
| 11 | -0.16 | 0.00 | 3.92 | -4.03 | 0.00 |
| 14 | -0.19 | 0.00 | 5.43 | -5.48 | 0.00 |
| 17 | -0.09 | 0.00 | 3.07 | -2.95 | 0.00 |
| 20 | 0.07 | 0.02 | 0.05 | -0.01 | 0.00 |
| 23 | -0.04 | 0.00 | 2.75 | -2.75 | 0.00 |
| 26 | -0.12 | 0.00 | 4.33 | -4.28 | 0.00 |
| 29 | -0.21 | -0.01 | 4.78 | -4.84 | 0.00 |
| 32 | -0.15 | 0.02 | 4.52 | -4.54 | 0.00 |
| 35 | -0.16 | -0.01 | 3.59 | -3.66 | 0.00 |

Bracing Loads - HS20.txt

| | | | | | | |
|-----------------|-------|-------|-------|--------|------|------------------------|
| 38 | -0.09 | -0.01 | 2.16 | -2.18 | 0.00 | |
| 41 | 0.03 | 0.01 | 0.04 | -0.02 | 0.00 | |
| 44 | 0.02 | 0.01 | 1.16 | -1.14 | 0.00 | |
| 47 | -0.02 | 0.00 | 1.79 | -1.93 | 0.00 | |
| 50 | -0.32 | 0.01 | 10.88 | -10.86 | 0.00 | |
| 53 | -0.43 | -0.02 | 6.09 | -6.23 | 0.00 | |
| 56 | -0.33 | 0.00 | 6.61 | -6.65 | 0.00 | |
| 59 | -0.15 | 0.01 | 9.83 | -9.82 | 0.00 | |
| 62 | 0.03 | 0.01 | 0.77 | -0.75 | 0.00 | |
| 65 | 0.00 | 0.00 | 0.04 | -0.03 | 0.00 | |
| 68 | -0.08 | 0.00 | 1.87 | -2.04 | 0.00 | |
| 71 | -0.17 | 0.00 | 4.05 | -4.25 | 0.00 | |
| 74 | -0.20 | 0.00 | 4.72 | -4.92 | 0.00 | |
| 77 | -0.12 | 0.01 | 3.66 | -3.65 | 0.00 | |
| 80 | 0.01 | 0.00 | 2.56 | -2.91 | 0.00 | |
| 83 | 0.18 | 0.02 | 1.60 | -1.55 | 0.00 | |
| 86 | -0.13 | 0.00 | 5.83 | -5.75 | 0.00 | |
| 89 | -0.34 | -0.01 | 6.84 | -6.88 | 0.00 | |
| 92 | -0.30 | 0.03 | 6.64 | -6.63 | 0.00 | |
| 95 | -0.48 | -0.03 | 6.60 | -6.68 | 0.00 | |
| 98 | -0.24 | 0.03 | 7.23 | -7.20 | 0.00 | |
| 101 | -0.10 | 0.02 | 6.37 | -6.27 | 0.00 | |
| 104 | 0.05 | 0.02 | 1.63 | -1.47 | 0.00 | Dummy Spans |
| Brace 36 -> 107 | 0.00 | 0.00 | 1.92 | -2.15 | 0.00 | |
| 110 | -0.10 | 0.01 | 4.77 | -4.78 | 0.00 | |
| 113 | -0.08 | 0.00 | 4.27 | -4.35 | 0.00 | Bridge 69801D - span 1 |
| 116 | 0.03 | 0.01 | 1.69 | -1.69 | 0.00 | |
| 119 | -0.11 | 0.01 | 5.43 | -5.32 | 0.00 | |
| 122 | -0.19 | 0.01 | 7.54 | -7.70 | 0.00 | |
| 125 | -0.01 | 0.03 | 5.53 | -5.42 | 0.00 | Bridge 69801D - span 2 |
| 128 | 0.30 | 0.10 | 1.97 | -1.67 | 0.00 | |
| 131 | -0.16 | -0.07 | 4.66 | -4.96 | 0.00 | |
| 134 | -0.69 | -0.17 | 7.02 | -7.84 | 0.00 | |
| 137 | -0.28 | -0.07 | 5.27 | -5.38 | 0.00 | Bridge 69801D - span 3 |
| 140 | 1.01 | 0.36 | 1.34 | -0.87 | 0.00 | |
| 143 | -0.28 | -0.05 | 5.86 | -6.08 | 0.00 | |
| 146 | -0.46 | -0.15 | 5.82 | -6.62 | 0.00 | Bridge 69801D - span 4 |
| 149 | 0.28 | 0.12 | 3.07 | -2.78 | 0.00 | |
| Brace 51 -> 152 | 0.04 | -0.02 | 8.67 | -8.16 | 0.00 | Bridge 69801D - span 5 |
| 155 | -0.53 | -0.13 | 4.43 | -4.84 | 0.00 | |
| 158 | -0.50 | -0.16 | 5.45 | -6.21 | 0.00 | Dummy Spans |
| 161 | 0.01 | -0.05 | 3.16 | -3.47 | 0.00 | |
| 164 | 0.86 | 0.30 | 1.01 | -0.58 | 0.00 | |
| 167 | -0.02 | -0.02 | 3.58 | -3.62 | 0.00 | |
| 170 | -0.49 | -0.20 | 5.48 | -6.27 | 0.00 | |
| 173 | -0.50 | -0.20 | 5.54 | -6.42 | 0.00 | |
| 176 | -0.01 | -0.01 | 3.58 | -3.67 | 0.00 | |
| 179 | 0.89 | 0.31 | 1.12 | -0.64 | 0.00 | |
| 182 | 0.02 | 0.01 | 3.51 | -3.52 | 0.00 | |
| 185 | -0.44 | -0.10 | 5.71 | -6.19 | 0.00 | |
| 188 | -0.40 | -0.09 | 5.77 | -6.21 | 0.00 | |
| 191 | 0.06 | 0.02 | 3.42 | -3.39 | 0.00 | |
| 194 | 0.81 | 0.29 | 2.27 | -1.37 | 0.00 | |
| 197 | 0.03 | 0.02 | 3.05 | -3.17 | 0.00 | |
| 200 | -0.43 | -0.06 | 5.60 | -5.80 | 0.00 | |
| 203 | -0.43 | -0.06 | 5.56 | -5.76 | 0.00 | |
| 206 | -0.01 | -0.02 | 2.89 | -3.05 | 0.00 | |
| 209 | 0.86 | 0.28 | 1.62 | -0.85 | 0.00 | |
| 212 | -0.03 | 0.02 | 3.41 | -3.27 | 0.00 | |
| 215 | -0.45 | -0.09 | 5.44 | -5.75 | 0.00 | |
| 218 | -0.53 | -0.13 | 3.57 | -4.06 | 0.00 | |
| 221 | 0.00 | -0.03 | 2.98 | -3.26 | 0.00 | |

Girder 2 Service Bracing Moment - k-ft

| Node | Bracing Loads - HS20.txt | | | | |
|------|--------------------------|---------------------------|------------------------|------------------------|----------|
| | Noncomp
Dead | Super-
Imposed
Dead | Max
Live+
Impact | Min
Live+
Impact | Sidewalk |
| 3 | 0.02 | 0.00 | 7.37 | -7.45 | 0.00 |
| 6 | 0.00 | 0.00 | 12.09 | -11.84 | 0.00 |
| 4 | 0.59 | 0.02 | 8.20 | -8.10 | 0.00 |
| 7 | -0.06 | -0.01 | 1.84 | -2.07 | 0.00 |
| 8 | 1.18 | -0.03 | 22.85 | -22.77 | 0.00 |
| 9 | 0.19 | 0.07 | 7.02 | -7.23 | 0.00 |
| 11 | 1.45 | 0.04 | 28.47 | -28.16 | 0.00 |
| 12 | 0.02 | 0.01 | 8.54 | -8.57 | 0.00 |
| 14 | 1.69 | 0.00 | 42.22 | -42.01 | 0.00 |
| 15 | -0.03 | -0.01 | 8.18 | -8.31 | 0.00 |
| 17 | 0.82 | 0.00 | 29.11 | -29.07 | 0.00 |
| 18 | -0.02 | 0.00 | 8.82 | -8.89 | 0.00 |
| 20 | -0.20 | -0.06 | 0.07 | -0.16 | 0.00 |
| 21 | 0.47 | 0.16 | 0.27 | -0.05 | 0.00 |
| 23 | 0.40 | 0.01 | 23.67 | -23.60 | 0.00 |
| 24 | 0.01 | 0.00 | 0.30 | -0.30 | 0.00 |
| 26 | 1.11 | 0.00 | 35.81 | -35.69 | 0.00 |
| 27 | 0.04 | 0.03 | 6.84 | -7.93 | 0.00 |
| 29 | 1.74 | 0.03 | 38.74 | -38.47 | 0.00 |
| 30 | -0.14 | -0.06 | 5.59 | -5.55 | 0.00 |
| 32 | 1.55 | -0.08 | 35.96 | -35.99 | 0.00 |
| 33 | 0.17 | 0.07 | 6.00 | -5.43 | 0.00 |
| 35 | 1.36 | 0.03 | 30.54 | -30.33 | 0.00 |
| 36 | -0.09 | -0.05 | 7.26 | -7.90 | 0.00 |
| 38 | 0.69 | 0.02 | 18.63 | -18.52 | 0.00 |
| 39 | -0.16 | -0.04 | 0.39 | -0.43 | 0.00 |
| 41 | -0.20 | -0.07 | 0.07 | -0.19 | 0.00 |
| 42 | 0.08 | 0.03 | 0.13 | -0.06 | 0.00 |
| 44 | -0.07 | -0.02 | 9.91 | -9.94 | 0.00 |
| 45 | 0.15 | 0.05 | 0.23 | -0.18 | 0.00 |
| 47 | 0.16 | 0.01 | 11.92 | -11.88 | 0.00 |
| 48 | 0.00 | 0.00 | 5.32 | -5.89 | 0.00 |
| 50 | 3.08 | -0.04 | 93.45 | -93.35 | 0.00 |
| 51 | 0.22 | 0.09 | 4.53 | -3.47 | 0.00 |
| 53 | 3.61 | 0.08 | 53.94 | -53.30 | 0.00 |
| 54 | -0.29 | -0.12 | 4.29 | -4.09 | 0.00 |
| 56 | 2.95 | 0.00 | 57.33 | -57.07 | 0.00 |
| 57 | 0.00 | 0.00 | 4.51 | -3.84 | 0.00 |
| 59 | 1.46 | -0.05 | 83.32 | -83.24 | 0.00 |
| 60 | 0.10 | 0.05 | 6.69 | -7.08 | 0.00 |
| 62 | -0.14 | -0.03 | 6.55 | -6.64 | 0.00 |
| 63 | 0.14 | 0.04 | 0.26 | -0.19 | 0.00 |

Bracing Loads - HS20.txt

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 65 | -0.01 | 0.00 | 0.09 | -0.11 | 0.00 |
| 66 | 0.00 | 0.00 | 0.21 | -0.17 | 0.00 |
| 68 | 0.71 | 0.00 | 15.44 | -15.36 | 0.00 |
| 69 | -0.02 | 0.00 | 8.29 | -8.37 | 0.00 |
| 71 | 1.53 | 0.00 | 31.33 | -30.93 | 0.00 |
| 72 | -0.01 | -0.01 | 6.80 | -6.73 | 0.00 |
| 74 | 1.84 | 0.01 | 36.22 | -35.45 | 0.00 |
| 75 | 0.02 | 0.00 | 8.44 | -8.18 | 0.00 |
| 77 | 1.02 | -0.07 | 28.47 | -28.52 | 0.00 |
| 78 | -0.03 | 0.00 | 4.54 | -4.58 | 0.00 |
| 80 | -0.05 | -0.02 | 18.16 | -18.30 | 0.00 |
| 81 | 0.00 | 0.00 | 11.07 | -11.23 | 0.00 |
| 83 | -1.81 | -0.29 | 4.79 | -4.89 | 0.00 |
| 84 | -0.20 | -0.08 | 8.84 | -8.50 | 0.00 |
| 86 | 1.23 | -0.01 | 47.99 | -47.96 | 0.00 |
| 87 | 0.10 | 0.02 | 4.42 | -5.26 | 0.00 |
| 89 | 1.96 | -0.25 | 57.44 | -57.66 | 0.00 |
| 90 | -1.09 | -0.34 | 5.95 | -6.78 | 0.00 |
| 92 | 3.76 | 0.10 | 55.72 | -55.26 | 0.00 |
| 93 | 1.09 | 0.33 | 8.39 | -7.04 | 0.00 |
| 95 | 2.98 | -0.16 | 55.99 | -56.06 | 0.00 |
| 96 | -1.37 | -0.42 | 6.64 | -6.89 | 0.00 |
| 98 | 3.15 | 0.06 | 60.15 | -59.88 | 0.00 |
| 99 | 0.95 | 0.30 | 7.40 | -6.88 | 0.00 |
| 101 | 1.40 | -0.04 | 52.17 | -52.16 | 0.00 |
| 102 | 0.46 | 0.16 | 4.52 | -5.03 | 0.00 |
| 104 | -0.18 | -0.06 | 4.12 | -4.61 | 0.00 |
| 105 | 0.27 | 0.11 | 9.40 | -8.26 | 0.00 |
| 107 | -0.03 | -0.01 | 9.56 | -10.47 | 0.00 |
| 108 | 0.00 | 0.00 | 11.53 | -10.39 | 0.00 |
| 110 | 1.06 | -0.01 | 34.46 | -34.32 | 0.00 |
| 111 | 0.14 | 0.06 | 8.32 | -8.31 | 0.00 |
| 113 | 0.74 | 0.01 | 33.97 | -33.86 | 0.00 |
| 114 | -0.02 | 0.00 | 5.25 | -5.89 | 0.00 |
| 116 | -0.15 | -0.06 | 5.07 | -5.12 | 0.00 |
| 117 | 0.07 | 0.03 | 9.31 | -9.49 | 0.00 |
| 119 | 1.06 | -0.09 | 40.85 | -40.95 | 0.00 |
| 120 | 0.06 | 0.03 | 7.72 | -8.16 | 0.00 |
| 122 | 1.75 | -0.09 | 54.09 | -53.71 | 0.00 |
| 123 | 0.00 | -0.03 | 17.48 | -17.63 | 0.00 |
| 125 | 0.05 | -0.28 | 41.84 | -42.12 | 0.00 |
| 126 | -0.01 | 0.02 | 8.25 | -7.99 | 0.00 |
| 128 | -1.10 | -0.38 | 4.98 | -6.08 | 0.00 |
| 129 | 1.63 | 0.56 | 10.98 | -9.50 | 0.00 |

Dummy spans



Bridge 69801 D - span 1

Bridge 69801 D - span 2

Bridge 69801 D - span 3

Bracing Loads - HS20.txt

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 131 | 1.25 | 0.05 | 40.87 | -40.96 | 0.00 |
| 132 | -0.18 | -0.59 | 10.26 | -13.72 | 0.00 |

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 134 | 3.04 | 0.32 | 55.20 | -53.19 | 0.00 |
| 135 | -3.17 | -1.25 | 12.15 | -16.27 | 0.00 |

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 137 | 1.40 | 0.00 | 41.75 | -41.53 | 0.00 |
| 138 | -1.10 | -0.61 | 6.33 | -11.33 | 0.00 |

| | | | | | |
|-----|-------|-------|------|-------|------|
| 140 | -3.04 | -1.14 | 3.32 | -4.78 | 0.00 |
| 141 | 6.06 | 2.12 | 6.44 | -4.17 | 0.00 |

Bridge 69801 D-Span 3

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 143 | 1.70 | 0.16 | 42.38 | -42.12 | 0.00 |
| 144 | -0.86 | -0.33 | 11.98 | -13.34 | 0.00 |

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 146 | 2.20 | 0.53 | 44.32 | -41.73 | 0.00 |
| 147 | -1.91 | -0.86 | 12.92 | -17.04 | 0.00 |

Bridge 69801 D-Span 4

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 149 | -0.85 | -0.38 | 8.16 | -8.73 | 0.00 |
| 148 | 1.65 | 0.73 | 17.95 | -16.00 | 0.00 |

| | | | | | |
|----------------|-------|-------|-------|--------|------|
| Brace 51 → 152 | -0.36 | 0.08 | 71.06 | -70.38 | 0.00 |
| 151 | 0.01 | -0.14 | 13.41 | -14.02 | 0.00 |

Bridge 69801 D-Span 5

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 155 | 2.42 | 0.44 | 35.30 | -34.12 | 0.00 |
| 156 | -2.38 | -0.70 | 6.28 | -8.80 | 0.00 |

Dummy spans

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 158 | 2.41 | 0.61 | 43.15 | -40.29 | 0.00 |
| 159 | -2.07 | -0.84 | 10.57 | -13.43 | 0.00 |

| | | | | | |
|-----|------|-------|-------|--------|------|
| 161 | 0.44 | 0.29 | 28.02 | -26.14 | 0.00 |
| 162 | 0.49 | -0.14 | 4.90 | -7.66 | 0.00 |

| | | | | | |
|-----|-------|-------|------|-------|------|
| 164 | -2.62 | -0.90 | 2.96 | -4.13 | 0.00 |
| 165 | 5.20 | 1.77 | 4.72 | -2.44 | 0.00 |

| | | | | | |
|-----|------|------|-------|--------|------|
| 167 | 0.47 | 0.20 | 29.53 | -28.32 | 0.00 |
| 168 | 0.29 | 0.04 | 6.90 | -8.68 | 0.00 |

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 170 | 2.36 | 0.84 | 44.68 | -41.49 | 0.00 |
| 171 | -2.11 | -0.94 | 9.86 | -13.42 | 0.00 |

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 173 | 2.61 | 0.88 | 45.48 | -42.03 | 0.00 |
| 174 | -1.92 | -0.96 | 10.14 | -14.06 | 0.00 |

| | | | | | |
|-----|------|-------|-------|--------|------|
| 176 | 0.52 | 0.05 | 29.38 | -28.91 | 0.00 |
| 177 | 0.39 | -0.06 | 6.89 | -9.81 | 0.00 |

| | | | | | |
|-----|-------|-------|------|-------|------|
| 179 | -2.97 | -1.03 | 3.79 | -5.04 | 0.00 |
| 180 | 5.09 | 1.77 | 4.58 | -2.11 | 0.00 |

| | | | | | |
|-----|------|-------|-------|--------|------|
| 182 | 0.30 | -0.06 | 28.90 | -28.46 | 0.00 |
| 183 | 0.50 | 0.04 | 6.35 | -8.31 | 0.00 |

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 185 | 2.13 | 0.13 | 44.14 | -43.04 | 0.00 |
| 186 | -1.87 | -0.75 | 10.55 | -13.23 | 0.00 |

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 188 | 1.89 | 0.04 | 44.07 | -43.49 | 0.00 |
| 189 | -1.74 | -0.75 | 10.35 | -13.31 | 0.00 |

| | | | | | |
|-----|-------|-------|-------|--------|------|
| 191 | -0.08 | -0.22 | 28.45 | -28.72 | 0.00 |
| 192 | 0.44 | -0.06 | 6.76 | -8.98 | 0.00 |

| | | | | | |
|-----|-------|-------|-------|-------|------|
| 194 | -2.25 | -0.81 | 5.16 | -7.07 | 0.00 |
| 195 | 5.07 | 1.77 | 12.61 | -7.11 | 0.00 |

| | | | | | |
|-----|------|-------|-------|--------|------|
| 197 | 0.17 | -0.34 | 26.83 | -27.69 | 0.00 |
|-----|------|-------|-------|--------|------|

| | | | | | |
|-----|-------|-------|-------|--------------------------|------|
| | | | | Bracing Loads - HS20.txt | |
| 198 | 0.43 | -0.17 | 8.95 | -11.31 | 0.00 |
| 200 | 1.90 | -0.24 | 43.11 | -44.02 | 0.00 |
| 201 | -1.99 | -0.76 | 7.16 | -9.38 | 0.00 |
| 203 | 2.21 | -0.12 | 42.81 | -43.46 | 0.00 |
| 204 | -1.62 | -0.69 | 7.04 | -9.37 | 0.00 |
| 206 | 0.45 | -0.13 | 27.07 | -27.11 | 0.00 |
| 207 | 0.38 | -0.27 | 9.10 | -11.77 | 0.00 |
| 209 | -2.83 | -0.95 | 2.22 | -3.72 | 0.00 |
| 210 | 4.87 | 1.60 | 10.29 | -5.92 | 0.00 |
| 212 | 0.51 | -0.19 | 26.92 | -27.70 | 0.00 |
| 213 | 0.29 | -0.05 | 3.42 | -5.03 | 0.00 |
| 215 | 2.18 | 0.14 | 39.38 | -39.11 | 0.00 |
| 216 | -1.90 | -0.68 | 10.90 | -12.55 | 0.00 |
| 218 | 2.45 | 0.38 | 28.32 | -27.05 | 0.00 |
| 219 | -2.29 | -0.82 | 5.58 | -8.42 | 0.00 |
| 221 | 0.03 | 0.09 | 10.48 | -9.70 | 0.00 |
| 222 | -0.01 | -0.22 | 16.09 | -17.73 | 0.00 |

P411 Bracing Loads

Girder 1 Service Bracing Shear - k

| | Max
LL+I
Shr
Perm Trk | Min
LL+I
Shr
Perm Trk |
|-----|--------------------------------|--------------------------------|
| 1 | 1.78 | -1.80 |
| 2 | 0.81 | -0.80 |
| 5 | 2.73 | -2.65 |
| 10 | 3.25 | -3.23 |
| 13 | 4.48 | -4.41 |
| 16 | 2.44 | -2.56 |
| 19 | 0.05 | -0.02 |
| 22 | 2.26 | -2.26 |
| 25 | 3.55 | -3.62 |
| 28 | 3.89 | -3.84 |
| 31 | 3.65 | -3.62 |
| 34 | 3.03 | -3.00 |
| 37 | 1.77 | -1.77 |
| 40 | 0.01 | -0.04 |
| 43 | 0.98 | -0.97 |
| 46 | 1.62 | -1.48 |
| 49 | 8.94 | -8.92 |
| 52 | 5.31 | -5.30 |
| 55 | 5.72 | -5.65 |
| 58 | 8.30 | -8.29 |
| 61 | 0.62 | -0.62 |
| 64 | 0.03 | -0.03 |
| 67 | 1.68 | -1.37 |
| 70 | 3.47 | -3.34 |
| 73 | 3.96 | -3.79 |
| 76 | 2.98 | -3.00 |
| 79 | 2.52 | -2.04 |
| 82 | 1.10 | -1.24 |
| 85 | 4.68 | -4.74 |
| 88 | 5.65 | -5.61 |
| 91 | 5.15 | -5.12 |
| 94 | 5.22 | -5.15 |
| 97 | 5.89 | -5.90 |
| 100 | 5.16 | -5.24 |
| 103 | 1.11 | -1.26 |
| 106 | 1.80 | -1.56 |
| 109 | 4.09 | -4.05 |
| 112 | 3.60 | -3.64 |
| 115 | 1.31 | -1.35 |
| 118 | 4.52 | -4.55 |
| 121 | 6.14 | -6.14 |
| 124 | 4.48 | -4.57 |
| 127 | 1.54 | -1.23 |
| 130 | 3.95 | -4.53 |
| 133 | 5.80 | -6.55 |
| 136 | 4.40 | -4.89 |
| 139 | 1.12 | -0.78 |
| 142 | 4.66 | -5.11 |
| 145 | 5.21 | -5.78 |
| 150 | 1.62 | -1.42 |
| 153 | 7.05 | -7.11 |
| 154 | 3.95 | -4.15 |
| 157 | 4.81 | -5.17 |
| 160 | 2.91 | -3.08 |
| 163 | 1.45 | -0.89 |
| 166 | 2.73 | -2.92 |
| 169 | 4.67 | -4.99 |
| 172 | 4.62 | -5.10 |
| 175 | 2.64 | -3.03 |
| 178 | 0.65 | -0.28 |

P411 - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 181 | 2.62 | -2.94 |
| 184 | 4.56 | -5.14 |
| 187 | 4.46 | -5.22 |
| 190 | 2.45 | -2.94 |
| 193 | 0.68 | -0.23 |
| 196 | 2.45 | -2.94 |
| 199 | 4.61 | -5.17 |
| 202 | 4.57 | -5.18 |
| 205 | 2.78 | -3.18 |
| 208 | 0.86 | -0.73 |
| 211 | 2.93 | -3.15 |
| 214 | 4.58 | -4.98 |
| 217 | 3.06 | -3.43 |
| 220 | 2.09 | -2.22 |

Girder 1 Service Bracing Moment - k-ft

| | Max
LL+I
Mom | Min
LL+I
Mom |
|----|--------------------|--------------------|
| | Perm Trk | Perm Trk |
| 1 | 9.65 | -9.50 |
| 3 | 5.90 | -5.93 |
| 2 | 1.63 | -1.86 |
| 4 | 6.61 | -6.65 |
| 5 | 5.61 | -6.13 |
| 8 | 18.95 | -18.72 |
| 10 | 7.12 | -6.96 |
| 11 | 23.02 | -23.01 |
| 13 | 6.60 | -6.88 |
| 14 | 34.19 | -33.90 |
| 16 | 7.12 | -7.19 |
| 17 | 23.44 | -23.56 |
| 19 | 0.15 | -0.30 |
| 20 | 0.14 | -0.07 |
| 22 | 0.22 | -0.20 |
| 23 | 19.49 | -19.46 |
| 25 | 5.47 | -6.66 |
| 26 | 29.15 | -29.18 |
| 28 | 4.70 | -4.61 |
| 29 | 30.89 | -30.67 |
| 31 | 4.96 | -4.55 |
| 32 | 28.80 | -28.56 |
| 34 | 5.77 | -6.76 |
| 35 | 24.38 | -24.66 |
| 37 | 0.33 | -0.34 |
| 38 | 15.13 | -15.11 |
| 40 | 0.29 | -0.07 |
| 41 | 0.02 | -0.08 |
| 43 | 0.30 | -0.38 |

| | P411 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 44 | 8.21 | -8.17 |
| 46 | 4.28 | -5.08 |
| 47 | 9.90 | -10.06 |
| 49 | 3.62 | -2.69 |
| 50 | 77.01 | -76.60 |
| 52 | 4.35 | -3.35 |
| 53 | 45.66 | -45.60 |
| 55 | 3.50 | -3.11 |
| 56 | 49.01 | -48.80 |
| 58 | 5.30 | -5.79 |
| 59 | 70.38 | -70.18 |
| 61 | 0.14 | -0.14 |
| 62 | 5.30 | -5.28 |
| 64 | 0.17 | -0.18 |
| 65 | 0.08 | -0.07 |
| 67 | 6.49 | -6.62 |
| 68 | 12.46 | -12.51 |
| 70 | 5.66 | -5.48 |
| 71 | 25.73 | -25.50 |
| 73 | 6.81 | -6.76 |
| 74 | 28.99 | -28.33 |
| 76 | 4.00 | -3.99 |
| 77 | 23.05 | -22.93 |
| 79 | 8.27 | -9.11 |
| 80 | 15.81 | -15.82 |
| 82 | 6.82 | -6.50 |
| 83 | 2.99 | -3.89 |
| 85 | 3.55 | -4.05 |
| 86 | 38.64 | -38.89 |
| 88 | 5.36 | -5.43 |
| 89 | 46.96 | -46.60 |
| 91 | 5.37 | -5.45 |
| 92 | 43.07 | -43.30 |
| 94 | 5.83 | -5.41 |
| 95 | 43.84 | -43.29 |
| 97 | 5.45 | -5.54 |
| 98 | 48.88 | -48.90 |
| 100 | 3.76 | -4.01 |
| 101 | 42.68 | -42.61 |
| 103 | 7.29 | -6.47 |
| 104 | 3.09 | -3.59 |
| 106 | 9.48 | -8.77 |
| 107 | 9.16 | -8.92 |
| 109 | 7.04 | -7.32 |
| 110 | 29.22 | -29.04 |

P411 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 112 | 4.15 | -5.26 |
| 113 | 28.19 | -28.11 |
| 115 | 7.60 | -7.38 |
| 116 | 4.00 | -4.06 |
| 118 | 6.88 | -7.32 |
| 119 | 33.70 | -33.91 |
| 121 | 14.42 | -14.31 |
| 122 | 43.39 | -43.52 |
| 124 | 7.44 | -6.82 |
| 125 | 33.18 | -33.75 |
| 127 | 6.95 | -8.51 |
| 128 | 4.79 | -3.71 |
| 130 | 9.70 | -6.25 |
| 131 | 32.15 | -34.35 |
| 133 | 16.88 | -13.04 |
| 134 | 41.52 | -44.43 |
| 136 | 10.58 | -7.83 |
| 137 | 32.02 | -34.31 |
| 139 | 4.96 | -6.74 |
| 140 | 3.24 | -1.96 |
| 142 | 11.06 | -8.99 |
| 143 | 33.46 | -35.18 |
| 145 | 15.59 | -12.64 |
| 146 | 35.70 | -37.49 |
| 150 | 8.13 | -8.61 |
| 149 | 5.53 | -4.28 |
| 153 | 10.52 | -10.05 |
| 152 | 60.71 | -60.65 |
| 154 | 9.67 | -7.77 |
| 155 | 28.16 | -28.74 |
| 157 | 13.79 | -11.39 |
| 158 | 33.56 | -34.41 |
| 160 | 6.79 | -5.09 |
| 161 | 21.93 | -22.26 |
| 163 | 5.16 | -7.62 |
| 164 | 5.09 | -2.68 |
| 166 | 7.69 | -7.13 |
| 167 | 23.28 | -23.23 |
| 169 | 11.42 | -8.58 |
| 170 | 34.71 | -34.98 |
| 172 | 12.11 | -8.90 |
| 173 | 34.54 | -35.69 |
| 175 | 8.06 | -5.80 |
| 176 | 22.65 | -23.60 |

| | P411 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 178 | 0.57 | -2.14 |
| 179 | 3.80 | -1.86 |
| 181 | 7.27 | -6.68 |
| 182 | 22.68 | -23.47 |
| 184 | 11.31 | -8.65 |
| 185 | 33.78 | -36.23 |
| 187 | 11.77 | -8.35 |
| 188 | 33.41 | -36.53 |
| 190 | 7.52 | -6.48 |
| 191 | 21.52 | -23.30 |
| 193 | 0.78 | -2.72 |
| 194 | 3.31 | -1.31 |
| 196 | 8.77 | -7.38 |
| 197 | 20.87 | -23.28 |
| 199 | 12.24 | -10.24 |
| 200 | 33.11 | -35.94 |
| 202 | 12.48 | -10.50 |
| 203 | 32.57 | -35.61 |
| 205 | 7.04 | -4.88 |
| 206 | 21.23 | -23.04 |
| 208 | 3.55 | -4.74 |
| 209 | 3.24 | -2.85 |
| 211 | 5.81 | -5.47 |
| 212 | 21.44 | -22.50 |
| 214 | 13.46 | -11.32 |
| 215 | 30.87 | -32.51 |
| 217 | 8.81 | -7.35 |
| 218 | 21.22 | -22.66 |
| 220 | 11.92 | -11.11 |
| 221 | 6.97 | -7.35 |

Girder 2 Service Bracing Shear - k

| | Max | Min |
|----|----------|----------|
| | LL+I | LL+I |
| | Shr | Shr |
| | Perm Trk | Perm Trk |
| 3 | 1.80 | -1.78 |
| 4 | 0.79 | -0.82 |
| 8 | 2.69 | -2.71 |
| 11 | 3.21 | -3.28 |
| 14 | 4.43 | -4.46 |
| 17 | 2.57 | -2.44 |
| 20 | 0.04 | -0.01 |
| 23 | 2.26 | -2.27 |
| 26 | 3.62 | -3.56 |
| 29 | 3.84 | -3.89 |
| 32 | 3.63 | -3.63 |
| 35 | 2.99 | -3.05 |
| 38 | 1.76 | -1.77 |

P411 - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 41 | 0.03 | -0.01 |
| 44 | 0.96 | -0.95 |
| 47 | 1.49 | -1.59 |
| 50 | 8.95 | -8.93 |
| 53 | 5.22 | -5.34 |
| 56 | 5.68 | -5.71 |
| 59 | 8.30 | -8.29 |
| 62 | 0.62 | -0.61 |
| 65 | 0.03 | -0.02 |
| 68 | 1.37 | -1.67 |
| 71 | 3.34 | -3.47 |
| 74 | 3.81 | -3.96 |
| 77 | 2.97 | -2.97 |
| 80 | 2.05 | -2.53 |
| 83 | 1.22 | -1.18 |
| 86 | 4.71 | -4.71 |
| 89 | 5.59 | -5.62 |
| 92 | 5.17 | -5.17 |
| 95 | 5.14 | -5.20 |
| 98 | 5.92 | -5.90 |
| 101 | 5.23 | -5.15 |
| 104 | 1.27 | -1.11 |
| 107 | 1.57 | -1.80 |
| 110 | 4.08 | -4.10 |
| 113 | 3.61 | -3.58 |
| 116 | 1.33 | -1.33 |
| 119 | 4.55 | -4.50 |
| 122 | 6.15 | -6.25 |
| 125 | 4.56 | -4.50 |
| 128 | 1.54 | -1.31 |
| 131 | 3.91 | -4.03 |
| 134 | 5.65 | -6.35 |
| 137 | 4.30 | -4.52 |
| 140 | 1.01 | -0.71 |
| 143 | 4.88 | -5.13 |
| 146 | 4.97 | -5.65 |
| 149 | 2.49 | -2.22 |
| 152 | 7.09 | -7.23 |
| 155 | 3.80 | -4.17 |
| 158 | 4.55 | -5.13 |
| 161 | 2.67 | -2.90 |
| 164 | 0.78 | -0.48 |
| 167 | 2.97 | -3.10 |
| 170 | 4.45 | -5.20 |
| 173 | 4.48 | -5.24 |
| 176 | 2.92 | -3.04 |
| 179 | 0.80 | -0.51 |
| 182 | 2.90 | -2.95 |
| 185 | 4.64 | -5.05 |
| 188 | 4.68 | -5.05 |
| 191 | 2.83 | -2.78 |
| 194 | 1.78 | -1.08 |
| 197 | 2.45 | -2.73 |
| 200 | 4.56 | -4.75 |
| 203 | 4.55 | -4.73 |
| 206 | 2.35 | -2.53 |
| 209 | 1.30 | -0.69 |
| 212 | 2.83 | -2.80 |
| 215 | 4.52 | -4.82 |
| 218 | 2.97 | -3.37 |
| 221 | 2.40 | -2.63 |

Girder 2 Service Bracing Moment - k-ft

Max Min

P411 - Bracing Service Loads.txt
 LL+I LL+I
 Mom Mom
 Perm Trk Perm Trk

| | | |
|----|-------|--------|
| 3 | 5.90 | -5.93 |
| 6 | 9.65 | -9.50 |
| 4 | 6.65 | -6.63 |
| 7 | 1.58 | -1.89 |
| 8 | 18.86 | -18.81 |
| 9 | 5.88 | -6.11 |
| 11 | 23.17 | -22.92 |
| 12 | 7.00 | -7.02 |
| 14 | 34.12 | -33.96 |
| 15 | 6.70 | -6.87 |
| 17 | 23.43 | -23.57 |
| 18 | 7.08 | -7.13 |
| 20 | 0.05 | -0.13 |
| 21 | 0.21 | -0.04 |
| 23 | 19.49 | -19.43 |
| 24 | 0.24 | -0.25 |
| 26 | 29.26 | -29.13 |
| 27 | 5.46 | -6.71 |
| 29 | 30.90 | -30.67 |
| 30 | 4.71 | -4.61 |
| 32 | 28.64 | -28.62 |
| 33 | 4.98 | -4.50 |
| 35 | 24.47 | -24.61 |
| 36 | 5.75 | -6.77 |
| 38 | 15.13 | -15.09 |
| 39 | 0.33 | -0.34 |
| 41 | 0.05 | -0.15 |
| 42 | 0.10 | -0.05 |
| 44 | 8.23 | -8.24 |
| 45 | 0.18 | -0.14 |
| 47 | 9.91 | -10.06 |
| 48 | 4.19 | -4.91 |
| 50 | 76.92 | -76.82 |
| 51 | 3.73 | -2.70 |
| 53 | 45.82 | -45.27 |
| 54 | 3.80 | -3.35 |
| 56 | 49.02 | -48.81 |
| 57 | 3.93 | -3.12 |
| 59 | 70.29 | -70.24 |
| 60 | 5.30 | -5.75 |
| 62 | 5.31 | -5.37 |
| 63 | 0.20 | -0.15 |

| | P411 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 65 | 0.07 | -0.08 |
| 66 | 0.16 | -0.13 |
| 68 | 12.45 | -12.52 |
| 69 | 6.53 | -6.57 |
| 71 | 25.73 | -25.49 |
| 72 | 5.65 | -5.48 |
| 74 | 28.97 | -28.36 |
| 75 | 6.97 | -6.78 |
| 77 | 22.92 | -22.96 |
| 78 | 3.74 | -3.97 |
| 80 | 15.84 | -15.85 |
| 81 | 8.27 | -9.17 |
| 83 | 3.71 | -3.76 |
| 84 | 6.80 | -6.52 |
| 86 | 38.85 | -38.80 |
| 87 | 3.52 | -4.30 |
| 89 | 46.69 | -46.85 |
| 90 | 4.77 | -5.35 |
| 92 | 43.35 | -42.98 |
| 93 | 6.52 | -5.49 |
| 95 | 43.61 | -43.65 |
| 96 | 5.20 | -5.35 |
| 98 | 49.00 | -48.77 |
| 99 | 5.92 | -5.57 |
| 101 | 42.62 | -42.62 |
| 102 | 3.71 | -3.96 |
| 104 | 3.21 | -3.62 |
| 105 | 7.40 | -6.44 |
| 107 | 9.20 | -8.91 |
| 108 | 9.49 | -8.72 |
| 110 | 29.24 | -29.07 |
| 111 | 7.30 | -7.34 |
| 113 | 28.17 | -28.07 |
| 114 | 3.86 | -5.13 |
| 116 | 4.01 | -4.10 |
| 117 | 7.46 | -7.50 |
| 119 | 33.56 | -33.87 |
| 120 | 6.94 | -7.33 |
| 122 | 43.82 | -43.47 |
| 123 | 14.38 | -14.50 |
| 125 | 33.22 | -33.75 |
| 126 | 7.40 | -6.94 |
| 128 | 3.91 | -4.75 |
| 129 | 8.61 | -7.45 |
| 131 | 33.39 | -33.28 |

| | P411 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 132 | 8.37 | -11.65 |
| 134 | 44.81 | -42.99 |
| 135 | 9.73 | -13.60 |
| 137 | 33.37 | -33.21 |
| 138 | 5.04 | -9.81 |
| 140 | 2.74 | -3.77 |
| 141 | 5.44 | -3.47 |
| 143 | 35.57 | -35.05 |
| 144 | 9.72 | -11.14 |
| 146 | 37.58 | -35.16 |
| 147 | 10.95 | -14.54 |
| 149 | 6.64 | -7.11 |
| 148 | 14.64 | -13.15 |
| 152 | 60.70 | -60.10 |
| 151 | 11.02 | -11.62 |
| 155 | 29.73 | -28.68 |
| 156 | 5.60 | -7.85 |
| 158 | 35.74 | -33.49 |
| 159 | 8.85 | -11.34 |
| 161 | 22.92 | -21.51 |
| 162 | 3.87 | -7.11 |
| 164 | 2.39 | -3.31 |
| 165 | 3.90 | -1.99 |
| 167 | 24.13 | -23.12 |
| 168 | 5.69 | -7.89 |
| 170 | 36.70 | -33.65 |
| 171 | 7.93 | -11.36 |
| 173 | 36.89 | -33.92 |
| 174 | 8.18 | -11.82 |
| 176 | 23.52 | -23.27 |
| 177 | 5.67 | -8.77 |
| 179 | 2.99 | -3.93 |
| 180 | 3.64 | -1.67 |
| 182 | 23.28 | -23.26 |
| 183 | 5.22 | -7.50 |
| 185 | 35.84 | -34.92 |
| 186 | 8.43 | -11.04 |
| 188 | 35.73 | -35.16 |
| 189 | 8.37 | -11.07 |
| 191 | 22.85 | -23.21 |
| 192 | 5.50 | -7.96 |
| 194 | 4.06 | -5.56 |
| 195 | 9.92 | -5.67 |
| 197 | 21.75 | -22.62 |
| 198 | 7.34 | -9.03 |

P411 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 200 | 35.11 | -35.73 |
| 201 | 5.90 | -7.96 |
| 203 | 34.87 | -35.40 |
| 204 | 5.88 | -8.04 |
| 206 | 21.92 | -22.14 |
| 207 | 7.35 | -9.38 |
| 209 | 1.80 | -3.02 |
| 210 | 8.25 | -4.84 |
| 212 | 22.25 | -22.81 |
| 213 | 2.81 | -4.82 |
| 215 | 32.94 | -32.47 |
| 216 | 8.97 | -10.66 |
| 218 | 23.37 | -22.29 |
| 219 | 4.76 | -7.26 |
| 221 | 8.43 | -7.78 |
| 222 | 12.98 | -14.31 |

P413 Bracing Loads

P413 - Bracing Service Loads.txt

Girder 1 Service Bracing Shear - k

| | Max | Min |
|-----|----------|----------|
| | LL+I | LL+I |
| | Shr | Shr |
| | Perm Trk | Perm Trk |
| 1 | 1.83 | -1.85 |
| 2 | 0.84 | -0.82 |
| 5 | 2.81 | -2.74 |
| 10 | 3.35 | -3.33 |
| 13 | 4.62 | -4.55 |
| 16 | 2.52 | -2.65 |
| 19 | 0.05 | -0.02 |
| 22 | 2.33 | -2.33 |
| 25 | 3.66 | -3.74 |
| 28 | 4.02 | -3.96 |
| 31 | 3.77 | -3.73 |
| 34 | 3.12 | -3.09 |
| 37 | 1.83 | -1.82 |
| 40 | 0.01 | -0.04 |
| 43 | 1.01 | -1.00 |
| 46 | 1.67 | -1.53 |
| 49 | 9.23 | -9.20 |
| 52 | 5.49 | -5.48 |
| 55 | 5.90 | -5.83 |
| 58 | 8.57 | -8.56 |
| 61 | 0.64 | -0.64 |
| 64 | 0.03 | -0.03 |
| 67 | 1.73 | -1.41 |
| 70 | 3.58 | -3.45 |
| 73 | 4.08 | -3.92 |
| 76 | 3.08 | -3.09 |
| 79 | 2.61 | -2.11 |
| 82 | 1.13 | -1.27 |
| 85 | 4.83 | -4.89 |
| 88 | 5.84 | -5.79 |
| 91 | 5.31 | -5.28 |
| 94 | 5.39 | -5.31 |
| 97 | 6.08 | -6.09 |
| 100 | 5.33 | -5.40 |
| 103 | 1.14 | -1.30 |
| 106 | 1.87 | -1.61 |
| 109 | 4.23 | -4.18 |
| 112 | 3.71 | -3.75 |
| 115 | 1.36 | -1.39 |
| 118 | 4.67 | -4.70 |
| 121 | 6.34 | -6.33 |
| 124 | 4.62 | -4.71 |
| 127 | 1.58 | -1.27 |
| 130 | 4.07 | -4.68 |
| 133 | 5.98 | -6.76 |
| 136 | 4.54 | -5.05 |
| 139 | 1.15 | -0.80 |
| 142 | 4.81 | -5.27 |
| 145 | 5.38 | -5.96 |
| 150 | 1.67 | -1.47 |
| 153 | 7.29 | -7.35 |
| 154 | 4.07 | -4.29 |
| 157 | 4.97 | -5.33 |
| 160 | 3.00 | -3.18 |
| 163 | 1.50 | -0.92 |
| 166 | 2.82 | -3.02 |
| 169 | 4.81 | -5.14 |
| 172 | 4.76 | -5.26 |
| 175 | 2.72 | -3.13 |
| 178 | 0.66 | -0.29 |

| | P413 - Bracing Service Loads.txt | |
|-----|----------------------------------|-------|
| 181 | 2.70 | -3.04 |
| 184 | 4.70 | -5.31 |
| 187 | 4.60 | -5.39 |
| 190 | 2.53 | -3.03 |
| 193 | 0.70 | -0.24 |
| 196 | 2.53 | -3.04 |
| 199 | 4.75 | -5.33 |
| 202 | 4.72 | -5.34 |
| 205 | 2.87 | -3.28 |
| 208 | 0.88 | -0.75 |
| 211 | 3.02 | -3.25 |
| 214 | 4.72 | -5.14 |
| 217 | 3.15 | -3.53 |
| 220 | 2.15 | -2.29 |

Girder 1 Service Bracing Moment - k-ft

| | Max
LL+I
Mom
Perm Trk | Min
LL+I
Mom
Perm Trk |
|----|--------------------------------|--------------------------------|
| 1 | 9.95 | -9.79 |
| 3 | 6.08 | -6.12 |
| 2 | 1.69 | -1.93 |
| 4 | 6.81 | -6.85 |
| 5 | 5.79 | -6.33 |
| 8 | 19.55 | -19.31 |
| 10 | 7.34 | -7.18 |
| 11 | 23.74 | -23.73 |
| 13 | 6.81 | -7.10 |
| 14 | 35.27 | -34.97 |
| 16 | 7.34 | -7.41 |
| 17 | 24.16 | -24.30 |
| 19 | 0.15 | -0.31 |
| 20 | 0.14 | -0.07 |
| 22 | 0.23 | -0.21 |
| 23 | 20.10 | -20.07 |
| 25 | 5.63 | -6.88 |
| 26 | 30.06 | -30.10 |
| 28 | 4.86 | -4.76 |
| 29 | 31.85 | -31.62 |
| 31 | 5.12 | -4.70 |
| 32 | 29.71 | -29.46 |
| 34 | 5.94 | -6.97 |
| 35 | 25.14 | -25.43 |
| 37 | 0.34 | -0.35 |
| 38 | 15.60 | -15.57 |
| 40 | 0.30 | -0.07 |
| 41 | 0.02 | -0.08 |
| 43 | 0.30 | -0.39 |

| | P413 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 44 | 8.47 | -8.43 |
| 46 | 4.41 | -5.24 |
| 47 | 10.22 | -10.38 |
| 49 | 3.75 | -2.78 |
| 50 | 79.44 | -79.02 |
| 52 | 4.49 | -3.45 |
| 53 | 47.19 | -47.13 |
| 55 | 3.61 | -3.22 |
| 56 | 50.56 | -50.35 |
| 58 | 5.46 | -5.97 |
| 59 | 72.63 | -72.42 |
| 61 | 0.15 | -0.15 |
| 62 | 5.46 | -5.43 |
| 64 | 0.18 | -0.18 |
| 65 | 0.08 | -0.07 |
| 67 | 6.69 | -6.82 |
| 68 | 12.84 | -12.90 |
| 70 | 5.84 | -5.65 |
| 71 | 26.54 | -26.30 |
| 73 | 7.04 | -6.98 |
| 74 | 29.91 | -29.24 |
| 76 | 4.13 | -4.11 |
| 77 | 23.78 | -23.64 |
| 79 | 8.52 | -9.40 |
| 80 | 16.34 | -16.32 |
| 82 | 7.02 | -6.70 |
| 83 | 3.08 | -4.01 |
| 85 | 3.67 | -4.18 |
| 86 | 39.87 | -40.13 |
| 88 | 5.53 | -5.60 |
| 89 | 48.47 | -48.10 |
| 91 | 5.53 | -5.61 |
| 92 | 44.39 | -44.62 |
| 94 | 6.01 | -5.58 |
| 95 | 45.19 | -44.63 |
| 97 | 5.63 | -5.71 |
| 98 | 50.46 | -50.48 |
| 100 | 3.88 | -4.13 |
| 101 | 44.03 | -43.97 |
| 103 | 7.52 | -6.67 |
| 104 | 3.19 | -3.70 |
| 106 | 9.78 | -9.04 |
| 107 | 9.46 | -9.22 |
| 109 | 7.27 | -7.56 |
| 110 | 30.14 | -29.95 |

P413 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 112 | 4.29 | -5.42 |
| 113 | 29.07 | -29.01 |
| 115 | 7.84 | -7.60 |
| 116 | 4.13 | -4.18 |
| 118 | 7.11 | -7.56 |
| 119 | 34.77 | -34.97 |
| 121 | 14.88 | -14.76 |
| 122 | 44.75 | -44.89 |
| 124 | 7.68 | -7.04 |
| 125 | 34.22 | -34.82 |
| 127 | 7.16 | -8.77 |
| 128 | 4.93 | -3.82 |
| 130 | 10.01 | -6.45 |
| 131 | 33.14 | -35.43 |
| 133 | 17.42 | -13.45 |
| 134 | 42.82 | -45.82 |
| 136 | 10.92 | -8.08 |
| 137 | 33.02 | -35.39 |
| 139 | 5.11 | -6.94 |
| 140 | 3.34 | -2.02 |
| 142 | 11.42 | -9.27 |
| 143 | 34.50 | -36.30 |
| 145 | 16.09 | -13.04 |
| 146 | 36.86 | -38.71 |
| 150 | 8.38 | -8.88 |
| 149 | 5.70 | -4.42 |
| 153 | 10.85 | -10.36 |
| 152 | 62.68 | -62.62 |
| 154 | 9.99 | -8.03 |
| 155 | 29.04 | -29.65 |
| 157 | 14.24 | -11.75 |
| 158 | 34.59 | -35.47 |
| 160 | 7.01 | -5.25 |
| 161 | 22.61 | -22.96 |
| 163 | 5.32 | -7.86 |
| 164 | 5.24 | -2.77 |
| 166 | 7.93 | -7.35 |
| 167 | 24.02 | -23.97 |
| 169 | 11.80 | -8.86 |
| 170 | 35.78 | -36.07 |
| 172 | 12.50 | -9.18 |
| 173 | 35.60 | -36.79 |
| 175 | 8.32 | -5.98 |
| 176 | 23.33 | -24.33 |

| | P413 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 178 | 0.59 | -2.21 |
| 179 | 3.92 | -1.92 |
| 181 | 7.50 | -6.89 |
| 182 | 23.39 | -24.21 |
| 184 | 11.68 | -8.93 |
| 185 | 34.82 | -37.36 |
| 187 | 12.16 | -8.61 |
| 188 | 34.44 | -37.66 |
| 190 | 7.76 | -6.68 |
| 191 | 22.17 | -24.02 |
| 193 | 0.80 | -2.80 |
| 194 | 3.41 | -1.35 |
| 196 | 9.04 | -7.61 |
| 197 | 21.53 | -24.02 |
| 199 | 12.63 | -10.56 |
| 200 | 34.13 | -37.06 |
| 202 | 12.89 | -10.83 |
| 203 | 33.58 | -36.72 |
| 205 | 7.27 | -5.04 |
| 206 | 21.88 | -23.76 |
| 208 | 3.66 | -4.89 |
| 209 | 3.34 | -2.94 |
| 211 | 6.02 | -5.65 |
| 212 | 22.12 | -23.21 |
| 214 | 13.89 | -11.68 |
| 215 | 31.84 | -33.54 |
| 217 | 9.09 | -7.59 |
| 218 | 21.88 | -23.37 |
| 220 | 12.29 | -11.44 |
| 221 | 7.18 | -7.57 |

Girder 2 Service Bracing Shear - k

| | Max
LL+I
Shr
Perm Trk | Min
LL+I
Shr
Perm Trk |
|----|--------------------------------|--------------------------------|
| 3 | 1.86 | -1.84 |
| 4 | 0.81 | -0.85 |
| 8 | 2.77 | -2.80 |
| 11 | 3.31 | -3.38 |
| 14 | 4.57 | -4.60 |
| 17 | 2.65 | -2.52 |
| 20 | 0.04 | -0.01 |
| 23 | 2.33 | -2.34 |
| 26 | 3.73 | -3.68 |
| 29 | 3.96 | -4.02 |
| 32 | 3.74 | -3.74 |
| 35 | 3.09 | -3.14 |
| 38 | 1.82 | -1.82 |

P413 - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 41 | 0.03 | -0.01 |
| 44 | 0.99 | -0.98 |
| 47 | 1.54 | -1.64 |
| 50 | 9.23 | -9.21 |
| 53 | 5.40 | -5.52 |
| 56 | 5.87 | -5.89 |
| 59 | 8.57 | -8.55 |
| 62 | 0.64 | -0.62 |
| 65 | 0.03 | -0.02 |
| 68 | 1.41 | -1.72 |
| 71 | 3.45 | -3.58 |
| 74 | 3.93 | -4.08 |
| 77 | 3.07 | -3.07 |
| 80 | 2.11 | -2.61 |
| 83 | 1.26 | -1.22 |
| 86 | 4.86 | -4.86 |
| 89 | 5.77 | -5.80 |
| 92 | 5.33 | -5.32 |
| 95 | 5.30 | -5.36 |
| 98 | 6.11 | -6.09 |
| 101 | 5.40 | -5.31 |
| 104 | 1.31 | -1.15 |
| 107 | 1.62 | -1.86 |
| 110 | 4.21 | -4.23 |
| 113 | 3.72 | -3.70 |
| 116 | 1.38 | -1.37 |
| 119 | 4.69 | -4.64 |
| 122 | 6.34 | -6.45 |
| 125 | 4.70 | -4.65 |
| 128 | 1.59 | -1.35 |
| 131 | 4.04 | -4.16 |
| 134 | 5.83 | -6.55 |
| 137 | 4.44 | -4.66 |
| 140 | 1.04 | -0.73 |
| 143 | 5.03 | -5.29 |
| 146 | 5.14 | -5.83 |
| 149 | 2.57 | -2.29 |
| 152 | 7.33 | -7.47 |
| 155 | 3.92 | -4.30 |
| 158 | 4.69 | -5.29 |
| 161 | 2.75 | -2.99 |
| 164 | 0.80 | -0.49 |
| 167 | 3.06 | -3.20 |
| 170 | 4.59 | -5.36 |
| 173 | 4.62 | -5.40 |
| 176 | 3.01 | -3.14 |
| 179 | 0.83 | -0.52 |
| 182 | 3.00 | -3.04 |
| 185 | 4.78 | -5.21 |
| 188 | 4.82 | -5.21 |
| 191 | 2.92 | -2.87 |
| 194 | 1.84 | -1.11 |
| 197 | 2.53 | -2.82 |
| 200 | 4.70 | -4.90 |
| 203 | 4.69 | -4.88 |
| 206 | 2.43 | -2.61 |
| 209 | 1.34 | -0.71 |
| 212 | 2.92 | -2.89 |
| 215 | 4.66 | -4.97 |
| 218 | 3.06 | -3.47 |
| 221 | 2.47 | -2.71 |

Girder 2 Service Bracing Moment - k-ft

Max Min

P413 - Bracing Service Loads.txt
 LL+I LL+I
 Mom Mom
 Perm Trk Perm Trk

| | | |
|----|-------|--------|
| 3 | 6.09 | -6.12 |
| 6 | 9.95 | -9.79 |
| 4 | 6.85 | -6.84 |
| 7 | 1.64 | -1.95 |
| 8 | 19.46 | -19.41 |
| 9 | 6.07 | -6.30 |
| 11 | 23.89 | -23.64 |
| 12 | 7.22 | -7.24 |
| 14 | 35.19 | -35.02 |
| 15 | 6.92 | -7.09 |
| 17 | 24.15 | -24.31 |
| 18 | 7.29 | -7.35 |
| 20 | 0.05 | -0.14 |
| 21 | 0.22 | -0.04 |
| 23 | 20.10 | -20.03 |
| 24 | 0.25 | -0.25 |
| 26 | 30.17 | -30.05 |
| 27 | 5.62 | -6.93 |
| 29 | 31.86 | -31.62 |
| 30 | 4.87 | -4.75 |
| 32 | 29.54 | -29.52 |
| 33 | 5.14 | -4.65 |
| 35 | 25.26 | -25.38 |
| 36 | 5.92 | -6.98 |
| 38 | 15.60 | -15.55 |
| 39 | 0.34 | -0.35 |
| 41 | 0.05 | -0.15 |
| 42 | 0.10 | -0.05 |
| 44 | 8.49 | -8.50 |
| 45 | 0.19 | -0.15 |
| 47 | 10.22 | -10.38 |
| 48 | 4.32 | -5.07 |
| 50 | 79.35 | -79.25 |
| 51 | 3.85 | -2.79 |
| 53 | 47.35 | -46.78 |
| 54 | 3.93 | -3.45 |
| 56 | 50.57 | -50.36 |
| 57 | 4.06 | -3.22 |
| 59 | 72.54 | -72.48 |
| 60 | 5.46 | -5.93 |
| 62 | 5.46 | -5.52 |
| 63 | 0.21 | -0.16 |

P413 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 65 | 0.07 | -0.08 |
| 66 | 0.17 | -0.13 |
| 68 | 12.83 | -12.92 |
| 69 | 6.73 | -6.77 |
| 71 | 26.54 | -26.29 |
| 72 | 5.83 | -5.65 |
| 74 | 29.90 | -29.26 |
| 75 | 7.20 | -7.00 |
| 77 | 23.64 | -23.67 |
| 78 | 3.87 | -4.10 |
| 80 | 16.37 | -16.35 |
| 81 | 8.52 | -9.46 |
| 83 | 3.83 | -3.87 |
| 84 | 7.00 | -6.72 |
| 86 | 40.09 | -40.04 |
| 87 | 3.64 | -4.43 |
| 89 | 48.19 | -48.36 |
| 90 | 4.92 | -5.52 |
| 92 | 44.67 | -44.29 |
| 93 | 6.73 | -5.65 |
| 95 | 44.96 | -45.00 |
| 96 | 5.36 | -5.52 |
| 98 | 50.58 | -50.34 |
| 99 | 6.11 | -5.74 |
| 101 | 43.96 | -43.98 |
| 102 | 3.84 | -4.08 |
| 104 | 3.31 | -3.73 |
| 105 | 7.63 | -6.64 |
| 107 | 9.51 | -9.21 |
| 108 | 9.79 | -9.00 |
| 110 | 30.16 | -29.99 |
| 111 | 7.54 | -7.59 |
| 113 | 29.04 | -28.96 |
| 114 | 4.00 | -5.29 |
| 116 | 4.13 | -4.22 |
| 117 | 7.69 | -7.73 |
| 119 | 34.63 | -34.93 |
| 120 | 7.17 | -7.57 |
| 122 | 45.19 | -44.83 |
| 123 | 14.84 | -14.96 |
| 125 | 34.27 | -34.82 |
| 126 | 7.63 | -7.15 |
| 128 | 4.02 | -4.90 |
| 129 | 8.86 | -7.68 |
| 131 | 34.42 | -34.32 |

| | P413 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 132 | 8.63 | -12.02 |
| 134 | 46.22 | -44.34 |
| 135 | 10.03 | -14.03 |
| 137 | 34.42 | -34.26 |
| 138 | 5.20 | -10.12 |
| 140 | 2.83 | -3.88 |
| 141 | 5.62 | -3.57 |
| 143 | 36.69 | -36.14 |
| 144 | 10.02 | -11.50 |
| 146 | 38.81 | -36.31 |
| 147 | 11.30 | -14.99 |
| 149 | 6.84 | -7.33 |
| 148 | 15.10 | -13.55 |
| 152 | 62.65 | -62.05 |
| 151 | 11.37 | -11.98 |
| 155 | 30.66 | -29.58 |
| 156 | 5.79 | -8.11 |
| 158 | 36.84 | -34.52 |
| 159 | 9.12 | -11.70 |
| 161 | 23.63 | -22.18 |
| 162 | 3.99 | -7.34 |
| 164 | 2.46 | -3.41 |
| 165 | 4.03 | -2.05 |
| 167 | 24.88 | -23.84 |
| 168 | 5.87 | -8.16 |
| 170 | 37.84 | -34.69 |
| 171 | 8.17 | -11.73 |
| 173 | 38.03 | -34.96 |
| 174 | 8.43 | -12.20 |
| 176 | 24.24 | -23.98 |
| 177 | 5.84 | -9.06 |
| 179 | 3.08 | -4.05 |
| 180 | 3.75 | -1.73 |
| 182 | 24.01 | -23.98 |
| 183 | 5.38 | -7.75 |
| 185 | 36.95 | -36.00 |
| 186 | 8.69 | -11.39 |
| 188 | 36.84 | -36.25 |
| 189 | 8.62 | -11.43 |
| 191 | 23.53 | -23.93 |
| 192 | 5.67 | -8.22 |
| 194 | 4.18 | -5.73 |
| 195 | 10.22 | -5.84 |
| 197 | 22.43 | -23.32 |
| 198 | 7.57 | -9.31 |

P413 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 200 | 36.19 | -36.83 |
| 201 | 6.08 | -8.22 |
| 203 | 35.96 | -36.50 |
| 204 | 6.06 | -8.30 |
| 206 | 22.59 | -22.83 |
| 207 | 7.58 | -9.66 |
| 209 | 1.85 | -3.11 |
| 210 | 8.50 | -4.98 |
| 212 | 22.95 | -23.53 |
| 213 | 2.91 | -4.98 |
| 215 | 33.98 | -33.49 |
| 216 | 9.25 | -11.00 |
| 218 | 24.08 | -22.98 |
| 219 | 4.92 | -7.51 |
| 221 | 8.68 | -8.03 |
| 222 | 13.39 | -14.74 |

STD A Bracing Loads

Girder 1 Service Bracing Shear - k

| | Max
LL+I
Shr
Perm Trk | Min
LL+I
Shr
Perm Trk |
|-----|--------------------------------|--------------------------------|
| 1 | 1.34 | -1.35 |
| 2 | 0.61 | -0.60 |
| 5 | 2.06 | -2.01 |
| 10 | 2.42 | -2.41 |
| 13 | 3.35 | -3.31 |
| 16 | 1.81 | -1.93 |
| 19 | 0.04 | -0.02 |
| 22 | 1.69 | -1.69 |
| 25 | 2.68 | -2.72 |
| 28 | 2.91 | -2.87 |
| 31 | 2.74 | -2.72 |
| 34 | 2.24 | -2.24 |
| 37 | 1.31 | -1.30 |
| 40 | 0.01 | -0.03 |
| 43 | 0.72 | -0.71 |
| 46 | 1.21 | -1.10 |
| 49 | 6.63 | -6.61 |
| 52 | 4.02 | -4.01 |
| 55 | 4.29 | -4.25 |
| 58 | 6.15 | -6.15 |
| 61 | 0.45 | -0.45 |
| 64 | 0.02 | -0.02 |
| 67 | 1.27 | -1.02 |
| 70 | 2.60 | -2.51 |
| 73 | 2.96 | -2.83 |
| 76 | 2.23 | -2.24 |
| 79 | 1.90 | -1.54 |
| 82 | 0.82 | -0.92 |
| 85 | 3.49 | -3.54 |
| 88 | 4.25 | -4.21 |
| 91 | 3.84 | -3.82 |
| 94 | 3.91 | -3.86 |
| 97 | 4.45 | -4.45 |
| 100 | 3.88 | -3.93 |
| 103 | 0.83 | -0.94 |
| 106 | 1.38 | -1.18 |
| 109 | 3.06 | -3.03 |
| 112 | 2.71 | -2.72 |
| 115 | 0.98 | -1.01 |
| 118 | 3.38 | -3.41 |
| 121 | 4.61 | -4.60 |
| 124 | 3.38 | -3.42 |
| 127 | 1.14 | -0.92 |
| 130 | 2.96 | -3.39 |
| 133 | 4.34 | -4.91 |
| 136 | 3.31 | -3.65 |
| 139 | 0.83 | -0.58 |
| 142 | 3.49 | -3.84 |
| 145 | 3.93 | -4.35 |
| 150 | 1.21 | -1.07 |
| 153 | 5.34 | -5.39 |
| 154 | 2.96 | -3.13 |
| 157 | 3.60 | -3.86 |
| 160 | 2.17 | -2.29 |
| 163 | 1.08 | -0.67 |
| 166 | 2.05 | -2.20 |
| 169 | 3.49 | -3.74 |
| 172 | 3.47 | -3.83 |
| 175 | 1.96 | -2.28 |
| 178 | 0.48 | -0.21 |

STD A - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 181 | 1.96 | -2.19 |
| 184 | 3.40 | -3.84 |
| 187 | 3.33 | -3.92 |
| 190 | 1.83 | -2.21 |
| 193 | 0.51 | -0.17 |
| 196 | 1.84 | -2.21 |
| 199 | 3.44 | -3.87 |
| 202 | 3.40 | -3.86 |
| 205 | 2.07 | -2.37 |
| 208 | 0.64 | -0.54 |
| 211 | 2.19 | -2.36 |
| 214 | 3.41 | -3.73 |
| 217 | 2.25 | -2.53 |
| 220 | 1.55 | -1.66 |

Girder 1 Service Bracing Moment - k-ft

| | Max
LL+I
Mom | Min
LL+I
Mom |
|----|--------------------|--------------------|
| | Perm Trk | Perm Trk |
| 1 | 7.25 | -7.15 |
| 3 | 4.44 | -4.45 |
| 2 | 1.25 | -1.42 |
| 4 | 4.96 | -4.98 |
| 5 | 4.20 | -4.60 |
| 8 | 14.29 | -14.12 |
| 10 | 5.30 | -5.20 |
| 11 | 17.15 | -17.15 |
| 13 | 4.96 | -5.16 |
| 14 | 25.62 | -25.43 |
| 16 | 5.28 | -5.31 |
| 17 | 17.32 | -17.63 |
| 19 | 0.11 | -0.23 |
| 20 | 0.10 | -0.05 |
| 22 | 0.17 | -0.15 |
| 23 | 14.61 | -14.58 |
| 25 | 4.09 | -4.96 |
| 26 | 21.87 | -21.95 |
| 28 | 3.54 | -3.46 |
| 29 | 23.07 | -22.90 |
| 31 | 3.70 | -3.42 |
| 32 | 21.61 | -21.42 |
| 34 | 4.29 | -5.06 |
| 35 | 18.13 | -18.29 |
| 37 | 0.25 | -0.26 |
| 38 | 11.17 | -11.16 |
| 40 | 0.22 | -0.05 |
| 41 | 0.01 | -0.06 |
| 43 | 0.22 | -0.28 |

| | STD A - Bracing Service Loads.txt | |
|-----|-----------------------------------|--------|
| 44 | 6.07 | -6.04 |
| 46 | 3.19 | -3.77 |
| 47 | 7.32 | -7.48 |
| 49 | 2.76 | -2.05 |
| 50 | 57.14 | -56.84 |
| 52 | 3.25 | -2.52 |
| 53 | 34.53 | -34.49 |
| 55 | 2.63 | -2.35 |
| 56 | 36.77 | -36.62 |
| 58 | 3.91 | -4.28 |
| 59 | 52.22 | -52.06 |
| 61 | 0.11 | -0.11 |
| 62 | 3.83 | -3.81 |
| 64 | 0.13 | -0.13 |
| 65 | 0.06 | -0.05 |
| 67 | 4.83 | -4.92 |
| 68 | 9.23 | -9.33 |
| 70 | 4.26 | -4.11 |
| 71 | 19.21 | -19.08 |
| 73 | 5.13 | -5.06 |
| 74 | 21.66 | -21.20 |
| 76 | 2.96 | -2.96 |
| 77 | 17.25 | -17.15 |
| 79 | 6.12 | -6.82 |
| 80 | 11.73 | -11.81 |
| 82 | 5.07 | -4.85 |
| 83 | 2.22 | -2.89 |
| 85 | 2.67 | -3.03 |
| 86 | 28.79 | -28.97 |
| 88 | 4.01 | -4.07 |
| 89 | 35.24 | -34.97 |
| 91 | 4.00 | -4.06 |
| 92 | 32.13 | -32.30 |
| 94 | 4.36 | -4.05 |
| 95 | 32.84 | -32.43 |
| 97 | 4.11 | -4.16 |
| 98 | 36.90 | -36.91 |
| 100 | 2.84 | -3.01 |
| 101 | 32.07 | -32.05 |
| 103 | 5.47 | -4.85 |
| 104 | 2.32 | -2.70 |
| 106 | 7.07 | -6.55 |
| 107 | 6.89 | -6.73 |
| 109 | 5.30 | -5.52 |
| 110 | 21.77 | -21.66 |

STD A - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 112 | 3.10 | -3.97 |
| 113 | 21.07 | -21.09 |
| 115 | 5.68 | -5.50 |
| 116 | 2.99 | -3.03 |
| 118 | 5.14 | -5.45 |
| 119 | 25.27 | -25.29 |
| 121 | 10.81 | -10.73 |
| 122 | 32.52 | -32.61 |
| 124 | 5.50 | -5.05 |
| 125 | 24.95 | -25.28 |
| 127 | 5.17 | -6.30 |
| 128 | 3.55 | -2.75 |
| 130 | 7.26 | -4.71 |
| 131 | 24.19 | -25.73 |
| 133 | 12.67 | -9.75 |
| 134 | 31.08 | -33.29 |
| 136 | 7.86 | -5.79 |
| 137 | 23.96 | -25.68 |
| 139 | 3.67 | -4.98 |
| 140 | 2.41 | -1.47 |
| 142 | 8.31 | -6.73 |
| 143 | 24.95 | -26.37 |
| 145 | 11.71 | -9.53 |
| 146 | 26.95 | -28.24 |
| 150 | 6.09 | -6.44 |
| 149 | 4.14 | -3.22 |
| 153 | 7.89 | -7.54 |
| 152 | 45.77 | -45.73 |
| 154 | 7.32 | -5.89 |
| 155 | 21.13 | -21.59 |
| 157 | 10.34 | -8.51 |
| 158 | 25.03 | -25.65 |
| 160 | 5.11 | -3.82 |
| 161 | 16.30 | -16.63 |
| 163 | 3.86 | -5.66 |
| 164 | 3.79 | -1.99 |
| 166 | 5.75 | -5.33 |
| 167 | 17.48 | -17.48 |
| 169 | 8.62 | -6.45 |
| 170 | 25.92 | -26.18 |
| 172 | 9.07 | -6.65 |
| 173 | 25.69 | -26.70 |
| 175 | 6.10 | -4.28 |
| 176 | 16.86 | -17.52 |

| | STD A - Bracing Service Loads.txt | |
|-----|-----------------------------------|--------|
| 178 | 0.43 | -1.60 |
| 179 | 2.88 | -1.39 |
| 181 | 5.43 | -5.01 |
| 182 | 16.98 | -17.51 |
| 184 | 8.50 | -6.48 |
| 185 | 25.21 | -27.02 |
| 187 | 8.89 | -6.24 |
| 188 | 24.85 | -27.26 |
| 190 | 5.61 | -4.81 |
| 191 | 15.97 | -17.35 |
| 193 | 0.58 | -2.02 |
| 194 | 2.48 | -0.97 |
| 196 | 6.55 | -5.49 |
| 197 | 15.58 | -17.45 |
| 199 | 9.17 | -7.65 |
| 200 | 24.71 | -26.86 |
| 202 | 9.42 | -7.89 |
| 203 | 24.24 | -26.53 |
| 205 | 5.26 | -3.68 |
| 206 | 15.78 | -17.12 |
| 208 | 2.65 | -3.51 |
| 209 | 2.39 | -2.13 |
| 211 | 4.44 | -4.06 |
| 212 | 16.07 | -16.87 |
| 214 | 10.09 | -8.46 |
| 215 | 22.99 | -24.28 |
| 217 | 6.54 | -5.47 |
| 218 | 15.69 | -16.74 |
| 220 | 8.88 | -8.25 |
| 221 | 5.20 | -5.47 |

Girder 2 Service Bracing Shear - k

| | Max
LL+I
Shr
Perm Trk | Min
LL+I
Shr
Perm Trk |
|----|--------------------------------|--------------------------------|
| 3 | 1.35 | -1.34 |
| 4 | 0.59 | -0.62 |
| 8 | 2.04 | -2.05 |
| 11 | 2.40 | -2.44 |
| 14 | 3.32 | -3.34 |
| 17 | 1.93 | -1.81 |
| 20 | 0.03 | -0.01 |
| 23 | 1.70 | -1.70 |
| 26 | 2.71 | -2.69 |
| 29 | 2.87 | -2.91 |
| 32 | 2.72 | -2.72 |
| 35 | 2.24 | -2.26 |
| 38 | 1.30 | -1.31 |

STD A - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 41 | 0.02 | -0.01 |
| 44 | 0.71 | -0.70 |
| 47 | 1.11 | -1.18 |
| 50 | 6.63 | -6.62 |
| 53 | 3.95 | -4.04 |
| 56 | 4.27 | -4.29 |
| 59 | 6.15 | -6.14 |
| 62 | 0.45 | -0.44 |
| 65 | 0.02 | -0.02 |
| 68 | 1.02 | -1.26 |
| 71 | 2.51 | -2.60 |
| 74 | 2.85 | -2.96 |
| 77 | 2.22 | -2.22 |
| 80 | 1.55 | -1.90 |
| 83 | 0.91 | -0.88 |
| 86 | 3.52 | -3.51 |
| 89 | 4.20 | -4.22 |
| 92 | 3.86 | -3.85 |
| 95 | 3.85 | -3.89 |
| 98 | 4.47 | -4.45 |
| 101 | 3.93 | -3.87 |
| 104 | 0.95 | -0.84 |
| 107 | 1.18 | -1.38 |
| 110 | 3.05 | -3.06 |
| 113 | 2.70 | -2.69 |
| 116 | 1.00 | -0.99 |
| 119 | 3.40 | -3.36 |
| 122 | 4.61 | -4.69 |
| 125 | 3.41 | -3.39 |
| 128 | 1.15 | -0.97 |
| 131 | 2.94 | -3.02 |
| 134 | 4.23 | -4.76 |
| 137 | 3.22 | -3.41 |
| 140 | 0.77 | -0.53 |
| 143 | 3.66 | -3.84 |
| 146 | 3.75 | -4.25 |
| 149 | 1.87 | -1.65 |
| 152 | 5.38 | -5.46 |
| 155 | 2.85 | -3.13 |
| 158 | 3.40 | -3.84 |
| 161 | 1.98 | -2.16 |
| 164 | 0.58 | -0.36 |
| 167 | 2.22 | -2.34 |
| 170 | 3.32 | -3.88 |
| 173 | 3.33 | -3.95 |
| 176 | 2.17 | -2.26 |
| 179 | 0.60 | -0.38 |
| 182 | 2.16 | -2.20 |
| 185 | 3.46 | -3.77 |
| 188 | 3.48 | -3.77 |
| 191 | 2.09 | -2.06 |
| 194 | 1.33 | -0.81 |
| 197 | 1.82 | -2.05 |
| 200 | 3.41 | -3.55 |
| 203 | 3.40 | -3.54 |
| 206 | 1.75 | -1.87 |
| 209 | 0.96 | -0.52 |
| 212 | 2.13 | -2.10 |
| 215 | 3.37 | -3.60 |
| 218 | 2.19 | -2.48 |
| 221 | 1.78 | -1.95 |

Girder 2 Service Bracing Moment - k-ft

Max Min

STD A - Bracing Service Loads.txt

LL+I LL+I
Mom Mom
Perm Trk Perm Trk

| | | |
|----|-------|--------|
| 3 | 4.44 | -4.45 |
| 6 | 7.25 | -7.15 |
| 4 | 4.98 | -4.96 |
| 7 | 1.21 | -1.44 |
| 8 | 14.22 | -14.19 |
| 9 | 4.40 | -4.59 |
| 11 | 17.26 | -17.09 |
| 12 | 5.22 | -5.24 |
| 14 | 25.56 | -25.47 |
| 15 | 5.04 | -5.16 |
| 17 | 17.32 | -17.64 |
| 18 | 5.24 | -5.28 |
| 20 | 0.04 | -0.10 |
| 21 | 0.16 | -0.03 |
| 23 | 14.61 | -14.56 |
| 24 | 0.18 | -0.19 |
| 26 | 21.96 | -21.91 |
| 27 | 4.08 | -4.99 |
| 29 | 23.07 | -22.90 |
| 30 | 3.55 | -3.46 |
| 32 | 21.49 | -21.47 |
| 33 | 3.71 | -3.38 |
| 35 | 18.22 | -18.25 |
| 36 | 4.28 | -5.07 |
| 38 | 11.16 | -11.14 |
| 39 | 0.25 | -0.26 |
| 41 | 0.04 | -0.11 |
| 42 | 0.07 | -0.03 |
| 44 | 6.09 | -6.10 |
| 45 | 0.14 | -0.10 |
| 47 | 7.32 | -7.48 |
| 48 | 3.12 | -3.65 |
| 50 | 57.08 | -57.00 |
| 51 | 2.84 | -2.06 |
| 53 | 34.66 | -34.24 |
| 54 | 2.84 | -2.52 |
| 56 | 36.77 | -36.62 |
| 57 | 2.95 | -2.35 |
| 59 | 52.14 | -52.11 |
| 60 | 3.91 | -4.25 |
| 62 | 3.83 | -3.88 |
| 63 | 0.15 | -0.12 |

| | STD A - Bracing Service Loads.txt | |
|-----|-----------------------------------|--------|
| 65 | 0.05 | -0.06 |
| 66 | 0.12 | -0.10 |
| 68 | 9.23 | -9.34 |
| 69 | 4.85 | -4.89 |
| 71 | 19.21 | -19.08 |
| 72 | 4.25 | -4.11 |
| 74 | 21.65 | -21.22 |
| 75 | 5.25 | -5.08 |
| 77 | 17.16 | -17.18 |
| 78 | 2.79 | -2.95 |
| 80 | 11.75 | -11.82 |
| 81 | 6.12 | -6.86 |
| 83 | 2.77 | -2.80 |
| 84 | 5.06 | -4.86 |
| 86 | 28.95 | -28.91 |
| 87 | 2.64 | -3.22 |
| 89 | 35.03 | -35.16 |
| 90 | 3.57 | -4.01 |
| 92 | 32.34 | -32.07 |
| 93 | 4.87 | -4.09 |
| 95 | 32.67 | -32.70 |
| 96 | 3.90 | -4.00 |
| 98 | 36.99 | -36.82 |
| 99 | 4.47 | -4.18 |
| 101 | 32.03 | -32.06 |
| 102 | 2.81 | -2.97 |
| 104 | 2.41 | -2.72 |
| 105 | 5.56 | -4.83 |
| 107 | 6.93 | -6.73 |
| 108 | 7.08 | -6.51 |
| 110 | 21.79 | -21.69 |
| 111 | 5.49 | -5.54 |
| 113 | 21.06 | -21.06 |
| 114 | 2.91 | -3.87 |
| 116 | 2.99 | -3.06 |
| 117 | 5.58 | -5.59 |
| 119 | 25.16 | -25.26 |
| 120 | 5.18 | -5.46 |
| 122 | 32.82 | -32.56 |
| 123 | 10.78 | -10.87 |
| 125 | 24.96 | -25.28 |
| 126 | 5.46 | -5.13 |
| 128 | 2.89 | -3.55 |
| 129 | 6.41 | -5.53 |
| 131 | 25.07 | -24.96 |

| | STD A - Bracing Service Loads.txt | |
|-----|-----------------------------------|--------|
| 132 | 6.28 | -8.71 |
| 134 | 33.61 | -32.22 |
| 135 | 7.24 | -10.19 |
| 137 | 25.15 | -24.90 |
| 138 | 3.78 | -7.23 |
| 140 | 2.04 | -2.81 |
| 141 | 4.15 | -2.59 |
| 143 | 26.53 | -26.21 |
| 144 | 7.24 | -8.38 |
| 146 | 28.37 | -26.55 |
| 147 | 8.21 | -10.92 |
| 149 | 4.94 | -5.34 |
| 148 | 11.01 | -9.75 |
| 152 | 45.71 | -45.31 |
| 151 | 8.27 | -8.71 |
| 155 | 22.28 | -21.51 |
| 156 | 4.21 | -5.95 |
| 158 | 26.64 | -24.99 |
| 159 | 6.58 | -8.47 |
| 161 | 16.96 | -16.05 |
| 162 | 2.89 | -5.33 |
| 164 | 1.78 | -2.47 |
| 165 | 2.95 | -1.49 |
| 167 | 18.05 | -17.33 |
| 168 | 4.26 | -5.96 |
| 170 | 27.41 | -25.18 |
| 171 | 5.88 | -8.52 |
| 173 | 27.61 | -25.24 |
| 174 | 6.08 | -8.90 |
| 176 | 17.47 | -17.21 |
| 177 | 4.17 | -6.52 |
| 179 | 2.23 | -2.92 |
| 180 | 2.68 | -1.25 |
| 182 | 17.42 | -17.32 |
| 183 | 3.90 | -5.65 |
| 185 | 26.67 | -26.04 |
| 186 | 6.27 | -8.26 |
| 188 | 26.58 | -26.16 |
| 189 | 6.20 | -8.32 |
| 191 | 16.87 | -17.19 |
| 192 | 4.05 | -5.92 |
| 194 | 3.03 | -4.15 |
| 195 | 7.40 | -4.25 |
| 197 | 16.24 | -16.90 |
| 198 | 5.48 | -6.75 |

STD A - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 200 | 26.11 | -26.66 |
| 201 | 4.35 | -5.99 |
| 203 | 25.95 | -26.40 |
| 204 | 4.37 | -6.04 |
| 206 | 16.19 | -16.43 |
| 207 | 5.47 | -6.94 |
| 209 | 1.34 | -2.25 |
| 210 | 6.12 | -3.58 |
| 212 | 16.64 | -17.08 |
| 213 | 2.09 | -3.57 |
| 215 | 24.56 | -24.24 |
| 216 | 6.68 | -7.97 |
| 218 | 17.20 | -16.47 |
| 219 | 3.55 | -5.42 |
| 221 | 6.26 | -5.79 |
| 222 | 9.66 | -10.62 |

STD B Bracing Loads

Girder 1 Service Bracing Shear - k

STD B - Bracing Service Loads.txt

| | Max
LL+I
Shr
Perm Trk | Min
LL+I
Shr
Perm Trk |
|-----|--------------------------------|--------------------------------|
| 1 | 1.86 | -1.88 |
| 2 | 0.85 | -0.83 |
| 5 | 2.86 | -2.78 |
| 10 | 3.41 | -3.39 |
| 13 | 4.69 | -4.62 |
| 16 | 2.56 | -2.68 |
| 19 | 0.05 | -0.02 |
| 22 | 2.37 | -2.37 |
| 25 | 3.71 | -3.79 |
| 28 | 4.08 | -4.03 |
| 31 | 3.83 | -3.79 |
| 34 | 3.17 | -3.14 |
| 37 | 1.86 | -1.85 |
| 40 | 0.01 | -0.04 |
| 43 | 1.02 | -1.01 |
| 46 | 1.70 | -1.55 |
| 49 | 9.37 | -9.35 |
| 52 | 5.56 | -5.55 |
| 55 | 5.99 | -5.92 |
| 58 | 8.70 | -8.69 |
| 61 | 0.65 | -0.65 |
| 64 | 0.03 | -0.03 |
| 67 | 1.76 | -1.44 |
| 70 | 3.63 | -3.50 |
| 73 | 4.15 | -3.97 |
| 76 | 3.13 | -3.14 |
| 79 | 2.64 | -2.14 |
| 82 | 1.15 | -1.30 |
| 85 | 4.90 | -4.96 |
| 88 | 5.92 | -5.87 |
| 91 | 5.40 | -5.37 |
| 94 | 5.48 | -5.40 |
| 97 | 6.17 | -6.17 |
| 100 | 5.41 | -5.48 |
| 103 | 1.16 | -1.32 |
| 106 | 1.88 | -1.64 |
| 109 | 4.29 | -4.24 |
| 112 | 3.77 | -3.81 |
| 115 | 1.38 | -1.41 |
| 118 | 4.74 | -4.77 |
| 121 | 6.44 | -6.43 |
| 124 | 4.69 | -4.79 |
| 127 | 1.61 | -1.29 |
| 130 | 4.13 | -4.75 |
| 133 | 6.08 | -6.86 |
| 136 | 4.61 | -5.13 |
| 139 | 1.17 | -0.82 |
| 142 | 4.89 | -5.35 |
| 145 | 5.45 | -6.05 |
| 150 | 1.70 | -1.49 |
| 153 | 7.38 | -7.44 |
| 154 | 4.14 | -4.35 |
| 157 | 5.04 | -5.42 |
| 160 | 3.04 | -3.23 |
| 163 | 1.52 | -0.94 |
| 166 | 2.86 | -3.06 |
| 169 | 4.89 | -5.22 |
| 172 | 4.85 | -5.34 |
| 175 | 2.76 | -3.18 |
| 178 | 0.68 | -0.29 |

| | STD B - Bracing Service Loads.txt | |
|-----|-----------------------------------|-------|
| 181 | 2.74 | -3.08 |
| 184 | 4.78 | -5.39 |
| 187 | 4.68 | -5.47 |
| 190 | 2.57 | -3.07 |
| 193 | 0.71 | -0.24 |
| 196 | 2.57 | -3.08 |
| 199 | 4.83 | -5.42 |
| 202 | 4.79 | -5.43 |
| 205 | 2.92 | -3.33 |
| 208 | 0.90 | -0.76 |
| 211 | 3.07 | -3.30 |
| 214 | 4.79 | -5.22 |
| 217 | 3.21 | -3.59 |
| 220 | 2.19 | -2.33 |

Girder 1 Service Bracing Moment - k-ft

| | Max
LL+I
Mom | Min
LL+I
Mom |
|----|--------------------|--------------------|
| | Perm Trk | Perm Trk |
| 1 | 10.11 | -9.95 |
| 3 | 6.18 | -6.22 |
| 2 | 1.70 | -1.95 |
| 4 | 6.93 | -6.96 |
| 5 | 5.88 | -6.42 |
| 8 | 19.85 | -19.61 |
| 10 | 7.46 | -7.30 |
| 11 | 24.13 | -24.11 |
| 13 | 6.91 | -7.21 |
| 14 | 35.83 | -35.53 |
| 16 | 7.46 | -7.53 |
| 17 | 24.57 | -24.68 |
| 19 | 0.16 | -0.32 |
| 20 | 0.14 | -0.08 |
| 22 | 0.23 | -0.21 |
| 23 | 20.42 | -20.39 |
| 25 | 5.73 | -6.98 |
| 26 | 30.55 | -30.57 |
| 28 | 4.92 | -4.83 |
| 29 | 32.38 | -32.15 |
| 31 | 5.20 | -4.77 |
| 32 | 30.18 | -29.93 |
| 34 | 6.05 | -7.08 |
| 35 | 25.57 | -25.83 |
| 37 | 0.35 | -0.36 |
| 38 | 15.86 | -15.84 |
| 40 | 0.31 | -0.07 |
| 41 | 0.02 | -0.08 |
| 43 | 0.31 | -0.40 |

| | STD B - Bracing Service Loads.txt | |
|-----|-----------------------------------|--------|
| 44 | 8.61 | -8.56 |
| 46 | 4.49 | -5.33 |
| 47 | 10.37 | -10.54 |
| 49 | 3.79 | -2.81 |
| 50 | 80.69 | -80.26 |
| 52 | 4.56 | -3.50 |
| 53 | 47.78 | -47.72 |
| 55 | 3.66 | -3.26 |
| 56 | 51.34 | -51.12 |
| 58 | 5.56 | -6.07 |
| 59 | 73.73 | -73.51 |
| 61 | 0.15 | -0.15 |
| 62 | 5.56 | -5.54 |
| 64 | 0.18 | -0.19 |
| 65 | 0.08 | -0.07 |
| 67 | 6.81 | -6.94 |
| 68 | 13.06 | -13.11 |
| 70 | 5.93 | -5.74 |
| 71 | 26.96 | -26.72 |
| 73 | 7.13 | -7.08 |
| 74 | 30.36 | -29.68 |
| 76 | 4.19 | -4.17 |
| 77 | 24.17 | -24.04 |
| 79 | 8.67 | -9.55 |
| 80 | 16.55 | -16.58 |
| 82 | 7.15 | -6.82 |
| 83 | 3.13 | -4.08 |
| 85 | 3.72 | -4.24 |
| 86 | 40.47 | -40.74 |
| 88 | 5.61 | -5.69 |
| 89 | 49.18 | -48.81 |
| 91 | 5.62 | -5.71 |
| 92 | 45.16 | -45.39 |
| 94 | 6.11 | -5.67 |
| 95 | 45.95 | -45.37 |
| 97 | 5.71 | -5.80 |
| 98 | 51.20 | -51.22 |
| 100 | 3.93 | -4.20 |
| 101 | 44.71 | -44.64 |
| 103 | 7.64 | -6.78 |
| 104 | 3.24 | -3.77 |
| 106 | 9.94 | -9.18 |
| 107 | 9.58 | -9.33 |
| 109 | 7.37 | -7.66 |
| 110 | 30.62 | -30.42 |

STD B - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 112 | 4.34 | -5.51 |
| 113 | 29.54 | -29.44 |
| 115 | 7.97 | -7.73 |
| 116 | 4.20 | -4.25 |
| 118 | 7.21 | -7.66 |
| 119 | 35.30 | -35.53 |
| 121 | 15.11 | -14.99 |
| 122 | 45.47 | -45.61 |
| 124 | 7.79 | -7.15 |
| 125 | 34.77 | -35.36 |
| 127 | 7.29 | -8.92 |
| 128 | 5.02 | -3.89 |
| 130 | 10.15 | -6.55 |
| 131 | 33.70 | -36.00 |
| 133 | 17.69 | -13.66 |
| 134 | 43.51 | -46.55 |
| 136 | 11.08 | -8.21 |
| 137 | 33.55 | -35.94 |
| 139 | 5.20 | -7.06 |
| 140 | 3.40 | -2.06 |
| 142 | 11.58 | -9.42 |
| 143 | 35.07 | -36.86 |
| 145 | 16.33 | -13.24 |
| 146 | 37.38 | -39.27 |
| 150 | 8.52 | -9.03 |
| 149 | 5.79 | -4.49 |
| 153 | 11.02 | -10.53 |
| 152 | 63.59 | -63.52 |
| 154 | 10.12 | -8.13 |
| 155 | 29.51 | -30.11 |
| 157 | 14.45 | -11.94 |
| 158 | 35.18 | -36.07 |
| 160 | 7.11 | -5.33 |
| 161 | 22.98 | -23.32 |
| 163 | 5.40 | -7.99 |
| 164 | 5.33 | -2.81 |
| 166 | 8.06 | -7.47 |
| 167 | 24.39 | -24.33 |
| 169 | 11.96 | -8.98 |
| 170 | 36.39 | -36.65 |
| 172 | 12.68 | -9.32 |
| 173 | 36.20 | -37.41 |
| 175 | 8.44 | -6.08 |
| 176 | 23.75 | -24.73 |

| | STD B - Bracing Service Loads.txt | |
|-----|-----------------------------------|--------|
| 178 | 0.60 | -2.25 |
| 179 | 3.99 | -1.95 |
| 181 | 7.62 | -7.00 |
| 182 | 23.77 | -24.59 |
| 184 | 11.85 | -9.06 |
| 185 | 35.41 | -37.96 |
| 187 | 12.33 | -8.74 |
| 188 | 35.02 | -38.28 |
| 190 | 7.88 | -6.80 |
| 191 | 22.56 | -24.43 |
| 193 | 0.81 | -2.85 |
| 194 | 3.47 | -1.37 |
| 196 | 9.19 | -7.74 |
| 197 | 21.87 | -24.39 |
| 199 | 12.82 | -10.73 |
| 200 | 34.71 | -37.67 |
| 202 | 13.06 | -10.99 |
| 203 | 34.13 | -37.32 |
| 205 | 7.37 | -5.12 |
| 206 | 22.26 | -24.14 |
| 208 | 3.72 | -4.97 |
| 209 | 3.40 | -2.99 |
| 211 | 6.08 | -5.73 |
| 212 | 22.45 | -23.57 |
| 214 | 14.10 | -11.87 |
| 215 | 32.35 | -34.07 |
| 217 | 9.23 | -7.70 |
| 218 | 22.24 | -23.75 |
| 220 | 12.48 | -11.65 |
| 221 | 7.31 | -7.70 |

Girder 2 Service Bracing Shear - k

| | Max | Min |
|----|----------|----------|
| | LL+I | LL+I |
| | Shr | Shr |
| | Perm Trk | Perm Trk |
| 3 | 1.89 | -1.87 |
| 4 | 0.83 | -0.86 |
| 8 | 2.82 | -2.84 |
| 11 | 3.37 | -3.44 |
| 14 | 4.64 | -4.68 |
| 17 | 2.69 | -2.56 |
| 20 | 0.04 | -0.01 |
| 23 | 2.37 | -2.38 |
| 26 | 3.79 | -3.73 |
| 29 | 4.03 | -4.08 |
| 32 | 3.80 | -3.80 |
| 35 | 3.13 | -3.19 |
| 38 | 1.85 | -1.86 |

STD B - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 41 | 0.03 | -0.01 |
| 44 | 1.00 | -1.00 |
| 47 | 1.56 | -1.67 |
| 50 | 9.38 | -9.35 |
| 53 | 5.47 | -5.59 |
| 56 | 5.95 | -5.98 |
| 59 | 8.69 | -8.68 |
| 62 | 0.65 | -0.64 |
| 65 | 0.03 | -0.02 |
| 68 | 1.43 | -1.75 |
| 71 | 3.50 | -3.63 |
| 74 | 3.99 | -4.14 |
| 77 | 3.11 | -3.11 |
| 80 | 2.14 | -2.65 |
| 83 | 1.28 | -1.24 |
| 86 | 4.93 | -4.93 |
| 89 | 5.85 | -5.89 |
| 92 | 5.42 | -5.42 |
| 95 | 5.39 | -5.45 |
| 98 | 6.20 | -6.18 |
| 101 | 5.48 | -5.39 |
| 104 | 1.33 | -1.17 |
| 107 | 1.64 | -1.88 |
| 110 | 4.27 | -4.29 |
| 113 | 3.78 | -3.75 |
| 116 | 1.40 | -1.39 |
| 119 | 4.76 | -4.72 |
| 122 | 6.44 | -6.55 |
| 125 | 4.78 | -4.71 |
| 128 | 1.62 | -1.38 |
| 131 | 4.10 | -4.22 |
| 134 | 5.93 | -6.65 |
| 137 | 4.51 | -4.73 |
| 140 | 1.06 | -0.74 |
| 143 | 5.11 | -5.37 |
| 146 | 5.21 | -5.91 |
| 149 | 2.61 | -2.33 |
| 152 | 7.42 | -7.57 |
| 155 | 3.98 | -4.37 |
| 158 | 4.77 | -5.38 |
| 161 | 2.79 | -3.03 |
| 164 | 0.82 | -0.50 |
| 167 | 3.11 | -3.25 |
| 170 | 4.67 | -5.45 |
| 173 | 4.70 | -5.49 |
| 176 | 3.06 | -3.19 |
| 179 | 0.84 | -0.53 |
| 182 | 3.04 | -3.09 |
| 185 | 4.86 | -5.30 |
| 188 | 4.90 | -5.29 |
| 191 | 2.97 | -2.92 |
| 194 | 1.87 | -1.13 |
| 197 | 2.57 | -2.86 |
| 200 | 4.78 | -4.98 |
| 203 | 4.77 | -4.96 |
| 206 | 2.46 | -2.65 |
| 209 | 1.36 | -0.73 |
| 212 | 2.97 | -2.93 |
| 215 | 4.74 | -5.05 |
| 218 | 3.12 | -3.53 |
| 221 | 2.51 | -2.75 |

Girder 2 Service Bracing Moment - k-ft

Max

Min

STD B - Bracing Service Loads.txt
 LL+I LL+I
 Mom Mom
 Perm Trk Perm Trk

| | | |
|----|-------|--------|
| 3 | 6.19 | -6.22 |
| 6 | 10.12 | -9.96 |
| 4 | 6.97 | -6.94 |
| 7 | 1.65 | -1.97 |
| 8 | 19.76 | -19.71 |
| 9 | 6.16 | -6.39 |
| 11 | 24.28 | -24.02 |
| 12 | 7.33 | -7.36 |
| 14 | 35.75 | -35.59 |
| 15 | 7.02 | -7.20 |
| 17 | 24.56 | -24.69 |
| 18 | 7.42 | -7.48 |
| 20 | 0.05 | -0.14 |
| 21 | 0.22 | -0.04 |
| 23 | 20.42 | -20.36 |
| 24 | 0.25 | -0.26 |
| 26 | 30.67 | -30.53 |
| 27 | 5.72 | -7.03 |
| 29 | 32.38 | -32.15 |
| 30 | 4.94 | -4.82 |
| 32 | 30.01 | -29.99 |
| 33 | 5.21 | -4.72 |
| 35 | 25.66 | -25.78 |
| 36 | 6.02 | -7.09 |
| 38 | 15.86 | -15.81 |
| 39 | 0.34 | -0.36 |
| 41 | 0.05 | -0.15 |
| 42 | 0.10 | -0.05 |
| 44 | 8.63 | -8.64 |
| 45 | 0.19 | -0.15 |
| 47 | 10.38 | -10.54 |
| 48 | 4.39 | -5.15 |
| 50 | 80.59 | -80.49 |
| 51 | 3.90 | -2.83 |
| 53 | 47.95 | -47.38 |
| 54 | 3.98 | -3.50 |
| 56 | 51.35 | -51.14 |
| 57 | 4.12 | -3.26 |
| 59 | 73.63 | -73.57 |
| 60 | 5.55 | -6.02 |
| 62 | 5.57 | -5.63 |
| 63 | 0.21 | -0.16 |

STD B - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 65 | 0.07 | -0.09 |
| 66 | 0.17 | -0.14 |
| 68 | 13.05 | -13.12 |
| 69 | 6.84 | -6.89 |
| 71 | 26.96 | -26.71 |
| 72 | 5.92 | -5.73 |
| 74 | 30.35 | -29.71 |
| 75 | 7.30 | -7.11 |
| 77 | 24.04 | -24.07 |
| 78 | 3.92 | -4.15 |
| 80 | 16.58 | -16.61 |
| 81 | 8.67 | -9.60 |
| 83 | 3.89 | -3.94 |
| 84 | 7.13 | -6.83 |
| 86 | 40.70 | -40.64 |
| 87 | 3.69 | -4.50 |
| 89 | 48.90 | -49.07 |
| 90 | 5.00 | -5.61 |
| 92 | 45.44 | -45.06 |
| 93 | 6.84 | -5.75 |
| 95 | 45.70 | -45.75 |
| 96 | 5.46 | -5.61 |
| 98 | 51.32 | -51.08 |
| 99 | 6.20 | -5.84 |
| 101 | 44.65 | -44.65 |
| 102 | 3.89 | -4.15 |
| 104 | 3.37 | -3.79 |
| 105 | 7.76 | -6.75 |
| 107 | 9.63 | -9.32 |
| 108 | 9.95 | -9.14 |
| 110 | 30.64 | -30.46 |
| 111 | 7.64 | -7.68 |
| 113 | 29.52 | -29.40 |
| 114 | 4.04 | -5.37 |
| 116 | 4.20 | -4.29 |
| 117 | 7.82 | -7.86 |
| 119 | 35.16 | -35.50 |
| 120 | 7.27 | -7.68 |
| 122 | 45.92 | -45.55 |
| 123 | 15.07 | -15.20 |
| 125 | 34.81 | -35.36 |
| 126 | 7.75 | -7.27 |
| 128 | 4.10 | -4.99 |
| 129 | 9.02 | -7.81 |
| 131 | 35.00 | -34.87 |

| | STD B - Bracing Service Loads.txt | |
|-----|-----------------------------------|--------|
| 132 | 8.77 | -12.20 |
| 134 | 46.95 | -45.05 |
| 135 | 10.21 | -14.25 |
| 137 | 34.97 | -34.80 |
| 138 | 5.28 | -10.27 |
| 140 | 2.87 | -3.95 |
| 141 | 5.69 | -3.63 |
| 143 | 37.27 | -36.73 |
| 144 | 10.19 | -11.67 |
| 146 | 39.35 | -36.81 |
| 147 | 11.48 | -15.23 |
| 149 | 6.96 | -7.45 |
| 148 | 15.34 | -13.78 |
| 152 | 63.57 | -62.93 |
| 151 | 11.55 | -12.17 |
| 155 | 31.15 | -30.05 |
| 156 | 5.87 | -8.21 |
| 158 | 37.47 | -35.11 |
| 159 | 9.27 | -11.88 |
| 161 | 24.02 | -22.54 |
| 162 | 4.05 | -7.44 |
| 164 | 2.50 | -3.47 |
| 165 | 4.09 | -2.09 |
| 167 | 25.29 | -24.23 |
| 168 | 5.96 | -8.25 |
| 170 | 38.47 | -35.27 |
| 171 | 8.31 | -11.90 |
| 173 | 38.66 | -35.55 |
| 174 | 8.58 | -12.38 |
| 176 | 24.67 | -24.40 |
| 177 | 5.94 | -9.18 |
| 179 | 3.14 | -4.11 |
| 180 | 3.82 | -1.75 |
| 182 | 24.40 | -24.37 |
| 183 | 5.47 | -7.85 |
| 185 | 37.57 | -36.60 |
| 186 | 8.83 | -11.56 |
| 188 | 37.45 | -36.85 |
| 189 | 8.78 | -11.60 |
| 191 | 23.96 | -24.33 |
| 192 | 5.76 | -8.33 |
| 194 | 4.25 | -5.83 |
| 195 | 10.40 | -5.94 |
| 197 | 22.80 | -23.70 |
| 198 | 7.69 | -9.46 |

STD B - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 200 | 36.80 | -37.45 |
| 201 | 6.18 | -8.34 |
| 203 | 36.55 | -37.10 |
| 204 | 6.16 | -8.42 |
| 206 | 22.99 | -23.20 |
| 207 | 7.71 | -9.83 |
| 209 | 1.88 | -3.16 |
| 210 | 8.65 | -5.07 |
| 212 | 23.32 | -23.90 |
| 213 | 2.95 | -5.05 |
| 215 | 34.52 | -34.02 |
| 216 | 9.40 | -11.17 |
| 218 | 24.49 | -23.36 |
| 219 | 4.99 | -7.60 |
| 221 | 8.84 | -8.16 |
| 222 | 13.60 | -15.00 |

STD C Bracing Loads

STD C - Bracing Service Loads.txt

Girder 1 Service Bracing Shear - k

| | Max | Min |
|-----|----------|----------|
| | LL+I | LL+I |
| | Shr | Shr |
| | Perm Trk | Perm Trk |
| 1 | 1.70 | -1.72 |
| 2 | 0.77 | -0.76 |
| 5 | 2.60 | -2.53 |
| 10 | 3.10 | -3.08 |
| 13 | 4.26 | -4.20 |
| 16 | 2.33 | -2.44 |
| 19 | 0.05 | -0.02 |
| 22 | 2.15 | -2.16 |
| 25 | 3.38 | -3.45 |
| 28 | 3.71 | -3.66 |
| 31 | 3.48 | -3.45 |
| 34 | 2.88 | -2.85 |
| 37 | 1.69 | -1.68 |
| 40 | 0.01 | -0.04 |
| 43 | 0.93 | -0.92 |
| 46 | 1.54 | -1.41 |
| 49 | 8.52 | -8.50 |
| 52 | 5.05 | -5.03 |
| 55 | 5.44 | -5.38 |
| 58 | 7.90 | -7.90 |
| 61 | 0.59 | -0.59 |
| 64 | 0.03 | -0.03 |
| 67 | 1.60 | -1.31 |
| 70 | 3.30 | -3.18 |
| 73 | 3.77 | -3.61 |
| 76 | 2.84 | -2.85 |
| 79 | 2.40 | -1.94 |
| 82 | 1.05 | -1.18 |
| 85 | 4.45 | -4.51 |
| 88 | 5.38 | -5.34 |
| 91 | 4.92 | -4.88 |
| 94 | 4.98 | -4.91 |
| 97 | 5.61 | -5.61 |
| 100 | 4.91 | -4.99 |
| 103 | 1.05 | -1.20 |
| 106 | 1.70 | -1.49 |
| 109 | 3.90 | -3.86 |
| 112 | 3.42 | -3.46 |
| 115 | 1.25 | -1.28 |
| 118 | 4.31 | -4.33 |
| 121 | 5.86 | -5.85 |
| 124 | 4.26 | -4.35 |
| 127 | 1.47 | -1.17 |
| 130 | 3.76 | -4.32 |
| 133 | 5.52 | -6.24 |
| 136 | 4.19 | -4.66 |
| 139 | 1.07 | -0.74 |
| 142 | 4.44 | -4.86 |
| 145 | 4.96 | -5.50 |
| 150 | 1.55 | -1.36 |
| 153 | 6.70 | -6.76 |
| 154 | 3.76 | -3.96 |
| 157 | 4.59 | -4.93 |
| 160 | 2.77 | -2.94 |
| 163 | 1.39 | -0.85 |
| 166 | 2.60 | -2.78 |
| 169 | 4.45 | -4.75 |
| 172 | 4.41 | -4.85 |
| 175 | 2.51 | -2.89 |
| 178 | 0.62 | -0.26 |

| | STD C - Bracing Service Loads.txt | |
|-----|-----------------------------------|-------|
| 181 | 2.49 | -2.80 |
| 184 | 4.35 | -4.90 |
| 187 | 4.26 | -4.97 |
| 190 | 2.34 | -2.79 |
| 193 | 0.65 | -0.22 |
| 196 | 2.34 | -2.80 |
| 199 | 4.40 | -4.93 |
| 202 | 4.36 | -4.94 |
| 205 | 2.65 | -3.03 |
| 208 | 0.82 | -0.70 |
| 211 | 2.79 | -3.00 |
| 214 | 4.36 | -4.75 |
| 217 | 2.92 | -3.27 |
| 220 | 1.99 | -2.12 |

Girder 1 Service Bracing Moment - k-ft

| | Max
LL+I
Mom
Perm Trk | Min
LL+I
Mom
Perm Trk |
|----|--------------------------------|--------------------------------|
| 1 | 9.20 | -9.06 |
| 3 | 5.62 | -5.66 |
| 2 | 1.54 | -1.76 |
| 4 | 6.31 | -6.33 |
| 5 | 5.35 | -5.83 |
| 8 | 18.05 | -17.83 |
| 10 | 6.78 | -6.64 |
| 11 | 21.94 | -21.93 |
| 13 | 6.28 | -6.55 |
| 14 | 32.58 | -32.32 |
| 16 | 6.79 | -6.86 |
| 17 | 22.35 | -22.44 |
| 19 | 0.14 | -0.29 |
| 20 | 0.13 | -0.07 |
| 22 | 0.21 | -0.19 |
| 23 | 18.57 | -18.55 |
| 25 | 5.21 | -6.34 |
| 26 | 27.79 | -27.80 |
| 28 | 4.47 | -4.39 |
| 29 | 29.45 | -29.25 |
| 31 | 4.72 | -4.33 |
| 32 | 27.48 | -27.25 |
| 34 | 5.51 | -6.44 |
| 35 | 23.28 | -23.49 |
| 37 | 0.31 | -0.33 |
| 38 | 14.43 | -14.41 |
| 40 | 0.28 | -0.07 |
| 41 | 0.02 | -0.08 |
| 43 | 0.28 | -0.36 |

| | STD C - Bracing Service Loads.txt | |
|-----|-----------------------------------|--------|
| 44 | 7.83 | -7.79 |
| 46 | 4.08 | -4.85 |
| 47 | 9.43 | -9.59 |
| 49 | 3.44 | -2.55 |
| 50 | 73.37 | -72.97 |
| 52 | 4.14 | -3.18 |
| 53 | 43.36 | -43.31 |
| 55 | 3.32 | -2.96 |
| 56 | 46.67 | -46.47 |
| 58 | 5.06 | -5.52 |
| 59 | 67.01 | -66.81 |
| 61 | 0.14 | -0.14 |
| 62 | 5.06 | -5.05 |
| 64 | 0.16 | -0.17 |
| 65 | 0.07 | -0.06 |
| 67 | 6.20 | -6.32 |
| 68 | 11.89 | -11.93 |
| 70 | 5.39 | -5.22 |
| 71 | 24.51 | -24.30 |
| 73 | 6.48 | -6.44 |
| 74 | 27.63 | -27.00 |
| 76 | 3.80 | -3.79 |
| 77 | 22.00 | -21.89 |
| 79 | 7.89 | -8.68 |
| 80 | 15.02 | -15.07 |
| 82 | 6.51 | -6.20 |
| 83 | 2.85 | -3.71 |
| 85 | 3.38 | -3.86 |
| 86 | 36.79 | -37.03 |
| 88 | 5.10 | -5.17 |
| 89 | 44.70 | -44.35 |
| 91 | 5.12 | -5.20 |
| 92 | 41.10 | -41.32 |
| 94 | 5.56 | -5.16 |
| 95 | 41.80 | -41.28 |
| 97 | 5.19 | -5.28 |
| 98 | 46.52 | -46.54 |
| 100 | 3.57 | -3.82 |
| 101 | 40.65 | -40.59 |
| 103 | 6.95 | -6.17 |
| 104 | 2.95 | -3.43 |
| 106 | 9.04 | -8.35 |
| 107 | 8.70 | -8.47 |
| 109 | 6.69 | -6.95 |
| 110 | 27.85 | -27.67 |

STD C - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 112 | 3.94 | -5.00 |
| 113 | 26.87 | -26.76 |
| 115 | 7.25 | -7.04 |
| 116 | 3.82 | -3.87 |
| 118 | 6.54 | -6.96 |
| 119 | 32.09 | -32.32 |
| 121 | 13.74 | -13.63 |
| 122 | 41.35 | -41.48 |
| 124 | 7.08 | -6.50 |
| 125 | 31.62 | -32.15 |
| 127 | 6.64 | -8.12 |
| 128 | 4.57 | -3.54 |
| 130 | 9.22 | -5.95 |
| 131 | 30.66 | -32.74 |
| 133 | 16.08 | -12.42 |
| 134 | 39.57 | -42.34 |
| 136 | 10.06 | -7.46 |
| 137 | 30.51 | -32.68 |
| 139 | 4.74 | -6.43 |
| 140 | 3.10 | -1.87 |
| 142 | 10.51 | -8.56 |
| 143 | 31.90 | -33.52 |
| 145 | 14.84 | -12.03 |
| 146 | 33.95 | -35.68 |
| 150 | 7.75 | -8.21 |
| 149 | 5.27 | -4.09 |
| 153 | 10.03 | -9.58 |
| 152 | 57.78 | -57.71 |
| 154 | 9.19 | -7.38 |
| 155 | 26.85 | -27.37 |
| 157 | 13.14 | -10.85 |
| 158 | 32.01 | -32.82 |
| 160 | 6.45 | -4.84 |
| 161 | 20.90 | -21.20 |
| 163 | 4.91 | -7.28 |
| 164 | 4.85 | -2.56 |
| 166 | 7.33 | -6.80 |
| 167 | 22.18 | -22.13 |
| 169 | 10.86 | -8.15 |
| 170 | 33.11 | -33.34 |
| 172 | 11.51 | -8.48 |
| 173 | 32.94 | -34.03 |
| 175 | 7.67 | -5.54 |
| 176 | 21.63 | -22.50 |

| | STD C - Bracing Service Loads.txt | |
|-----|-----------------------------------|--------|
| 178 | 0.55 | -2.05 |
| 179 | 3.63 | -1.78 |
| 181 | 6.93 | -6.38 |
| 182 | 21.63 | -22.36 |
| 184 | 10.76 | -8.24 |
| 185 | 32.23 | -34.53 |
| 187 | 11.19 | -7.95 |
| 188 | 31.87 | -34.83 |
| 190 | 7.17 | -6.19 |
| 191 | 20.54 | -22.23 |
| 193 | 0.74 | -2.59 |
| 194 | 3.16 | -1.25 |
| 196 | 8.36 | -7.04 |
| 197 | 19.89 | -22.18 |
| 199 | 11.65 | -9.75 |
| 200 | 31.59 | -34.27 |
| 202 | 11.87 | -9.99 |
| 203 | 31.05 | -33.95 |
| 205 | 6.69 | -4.65 |
| 206 | 20.26 | -21.96 |
| 208 | 3.38 | -4.53 |
| 209 | 3.09 | -2.72 |
| 211 | 5.50 | -5.21 |
| 212 | 20.41 | -21.44 |
| 214 | 12.82 | -10.79 |
| 215 | 29.42 | -30.98 |
| 217 | 8.39 | -6.99 |
| 218 | 20.23 | -21.61 |
| 220 | 11.35 | -10.61 |
| 221 | 6.66 | -7.00 |

Girder 2 Service Bracing Shear - k

| | Max
LL+I
Shr
Perm Trk | Min
LL+I
Shr
Perm Trk |
|----|--------------------------------|--------------------------------|
| 3 | 1.72 | -1.70 |
| 4 | 0.75 | -0.78 |
| 8 | 2.57 | -2.59 |
| 11 | 3.06 | -3.13 |
| 14 | 4.22 | -4.25 |
| 17 | 2.45 | -2.32 |
| 20 | 0.04 | -0.01 |
| 23 | 2.16 | -2.16 |
| 26 | 3.45 | -3.39 |
| 29 | 3.66 | -3.71 |
| 32 | 3.46 | -3.46 |
| 35 | 2.85 | -2.90 |
| 38 | 1.68 | -1.69 |

STD C - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 41 | 0.03 | -0.01 |
| 44 | 0.91 | -0.91 |
| 47 | 1.42 | -1.51 |
| 50 | 8.53 | -8.51 |
| 53 | 4.96 | -5.07 |
| 56 | 5.41 | -5.44 |
| 59 | 7.90 | -7.89 |
| 62 | 0.59 | -0.58 |
| 65 | 0.03 | -0.02 |
| 68 | 1.31 | -1.59 |
| 71 | 3.18 | -3.30 |
| 74 | 3.63 | -3.77 |
| 77 | 2.83 | -2.83 |
| 80 | 1.94 | -2.41 |
| 83 | 1.16 | -1.13 |
| 86 | 4.48 | -4.48 |
| 89 | 5.32 | -5.35 |
| 92 | 4.93 | -4.93 |
| 95 | 4.90 | -4.96 |
| 98 | 5.63 | -5.62 |
| 101 | 4.98 | -4.90 |
| 104 | 1.21 | -1.06 |
| 107 | 1.49 | -1.70 |
| 110 | 3.89 | -3.90 |
| 113 | 3.43 | -3.41 |
| 116 | 1.27 | -1.27 |
| 119 | 4.33 | -4.29 |
| 122 | 5.86 | -5.96 |
| 125 | 4.34 | -4.28 |
| 128 | 1.47 | -1.25 |
| 131 | 3.73 | -3.84 |
| 134 | 5.39 | -6.05 |
| 137 | 4.10 | -4.30 |
| 140 | 0.96 | -0.67 |
| 143 | 4.65 | -4.88 |
| 146 | 4.73 | -5.37 |
| 149 | 2.38 | -2.12 |
| 152 | 6.73 | -6.87 |
| 155 | 3.62 | -3.97 |
| 158 | 4.33 | -4.90 |
| 161 | 2.54 | -2.76 |
| 164 | 0.74 | -0.45 |
| 167 | 2.83 | -2.95 |
| 170 | 4.25 | -4.96 |
| 173 | 4.28 | -5.00 |
| 176 | 2.78 | -2.90 |
| 179 | 0.76 | -0.48 |
| 182 | 2.77 | -2.81 |
| 185 | 4.42 | -4.82 |
| 188 | 4.46 | -4.82 |
| 191 | 2.70 | -2.65 |
| 194 | 1.70 | -1.03 |
| 197 | 2.34 | -2.60 |
| 200 | 4.35 | -4.53 |
| 203 | 4.34 | -4.51 |
| 206 | 2.24 | -2.41 |
| 209 | 1.24 | -0.66 |
| 212 | 2.70 | -2.67 |
| 215 | 4.31 | -4.60 |
| 218 | 2.84 | -3.21 |
| 221 | 2.29 | -2.51 |

Girder 2 Service Bracing Moment - k-ft

Max Min

STD C - Bracing Service Loads.txt
 LL+I LL+I
 Mom Mom
 Perm Trk Perm Trk

| | | |
|----|-------|--------|
| 3 | 5.63 | -5.66 |
| 6 | 9.20 | -9.06 |
| 4 | 6.34 | -6.32 |
| 7 | 1.50 | -1.79 |
| 8 | 17.97 | -17.92 |
| 9 | 5.60 | -5.81 |
| 11 | 22.08 | -21.85 |
| 12 | 6.67 | -6.69 |
| 14 | 32.51 | -32.37 |
| 15 | 6.38 | -6.55 |
| 17 | 22.35 | -22.45 |
| 18 | 6.75 | -6.81 |
| 20 | 0.05 | -0.13 |
| 21 | 0.20 | -0.04 |
| 23 | 18.58 | -18.51 |
| 24 | 0.23 | -0.23 |
| 26 | 27.89 | -27.76 |
| 27 | 5.20 | -6.38 |
| 29 | 29.46 | -29.25 |
| 30 | 4.48 | -4.38 |
| 32 | 27.32 | -27.30 |
| 33 | 4.74 | -4.29 |
| 35 | 23.36 | -23.45 |
| 36 | 5.48 | -6.45 |
| 38 | 14.44 | -14.39 |
| 39 | 0.31 | -0.33 |
| 41 | 0.05 | -0.14 |
| 42 | 0.09 | -0.04 |
| 44 | 7.85 | -7.86 |
| 45 | 0.17 | -0.13 |
| 47 | 9.44 | -9.59 |
| 48 | 4.00 | -4.69 |
| 50 | 73.28 | -73.19 |
| 51 | 3.54 | -2.56 |
| 53 | 43.51 | -42.99 |
| 54 | 3.62 | -3.18 |
| 56 | 46.68 | -46.49 |
| 57 | 3.74 | -2.96 |
| 59 | 66.92 | -66.87 |
| 60 | 5.06 | -5.48 |
| 62 | 5.07 | -5.13 |
| 63 | 0.20 | -0.15 |

| | | |
|-----|-------|--------|
| | 3.56 | -3.77 |
| 80 | 15.05 | -15.10 |
| 81 | 7.89 | -8.73 |
| 83 | 3.54 | -3.59 |
| 84 | 6.49 | -6.22 |
| 86 | 36.99 | -36.94 |
| 87 | 3.35 | -4.10 |
| 89 | 44.44 | -44.60 |
| 90 | 4.54 | -5.10 |
| 92 | 41.37 | -41.01 |
| 93 | 6.23 | -5.24 |
| 95 | 41.58 | -41.63 |
| 96 | 4.97 | -5.11 |
| 98 | 46.63 | -46.42 |
| 99 | 5.63 | -5.31 |
| 101 | 40.59 | -40.58 |
| 102 | 3.53 | -3.78 |
| 104 | 3.06 | -3.45 |
| 105 | 7.06 | -6.15 |
| 107 | 8.74 | -8.46 |
| 108 | 9.05 | -8.31 |
| 110 | 27.86 | -27.70 |
| 111 | 6.93 | -6.98 |
| 113 | 26.85 | -26.72 |
| 114 | 3.67 | -4.88 |
| 116 | 3.82 | -3.91 |
| 117 | 7.12 | -7.15 |
| 119 | 31.96 | -32.28 |
| 120 | 6.60 | -6.97 |
| 122 | 41.76 | -41.43 |
| 123 | 13.70 | -13.82 |
| 125 | 31.66 | -32.15 |
| 126 | 7.04 | -6.61 |
| 128 | 3.73 | -4.54 |
| 129 | 8.22 | -7.11 |
| 131 | 31.84 | -31.71 |

| | STD C - Bracing Service Loads.txt | |
|-----|-----------------------------------|--------|
| 132 | 7.98 | -11.08 |
| 134 | 42.69 | -40.97 |
| 135 | 9.30 | -12.95 |
| 137 | 31.80 | -31.64 |
| 138 | 4.80 | -9.34 |
| 140 | 2.61 | -3.60 |
| 141 | 5.17 | -3.30 |
| 143 | 33.90 | -33.41 |
| 144 | 9.28 | -10.60 |
| 146 | 35.73 | -33.44 |
| 147 | 10.43 | -13.85 |
| 149 | 6.33 | -6.77 |
| 148 | 13.95 | -12.54 |
| 152 | 57.76 | -57.17 |
| 151 | 10.50 | -11.07 |
| 155 | 28.33 | -27.34 |
| 156 | 5.33 | -7.45 |
| 158 | 34.10 | -31.95 |
| 159 | 8.43 | -10.80 |
| 161 | 21.85 | -20.50 |
| 162 | 3.69 | -6.75 |
| 164 | 2.28 | -3.16 |
| 165 | 3.71 | -1.90 |
| 167 | 23.00 | -22.04 |
| 168 | 5.42 | -7.49 |
| 170 | 35.00 | -32.10 |
| 171 | 7.56 | -10.82 |
| 173 | 35.18 | -32.35 |
| 174 | 7.81 | -11.24 |
| 176 | 22.47 | -22.20 |
| 177 | 5.40 | -8.34 |
| 179 | 2.85 | -3.74 |
| 180 | 3.48 | -1.60 |
| 182 | 22.19 | -22.17 |
| 183 | 4.98 | -7.13 |
| 185 | 34.19 | -33.31 |
| 186 | 8.04 | -10.51 |
| 188 | 34.07 | -33.53 |
| 189 | 7.99 | -10.54 |
| 191 | 21.82 | -22.13 |
| 192 | 5.24 | -7.57 |
| 194 | 3.87 | -5.31 |
| 195 | 9.46 | -5.41 |
| 197 | 20.74 | -21.56 |
| 198 | 7.00 | -8.61 |

STD C - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 200 | 33.49 | -34.07 |
| 201 | 5.63 | -7.57 |
| 203 | 33.24 | -33.75 |
| 204 | 5.60 | -7.65 |
| 206 | 20.93 | -21.10 |
| 207 | 7.01 | -8.95 |
| 209 | 1.71 | -2.88 |
| 210 | 7.87 | -4.61 |
| 212 | 21.21 | -21.73 |
| 213 | 2.68 | -4.59 |
| 215 | 31.39 | -30.94 |
| 216 | 8.55 | -10.15 |
| 218 | 22.29 | -21.25 |
| 219 | 4.53 | -6.90 |
| 221 | 8.05 | -7.42 |
| 222 | 12.37 | -13.66 |

C152b Bracing Loads

Girder 1 Service Bracing Shear - k

| | Max | Min |
|-----|----------|----------|
| | LL+I | LL+I |
| | Shr | Shr |
| | Perm Trk | Perm Trk |
| 1 | 1.95 | -1.97 |
| 2 | 0.89 | -0.87 |
| 5 | 2.98 | -2.90 |
| 10 | 3.55 | -3.52 |
| 13 | 4.88 | -4.82 |
| 16 | 2.65 | -2.79 |
| 19 | 0.05 | -0.03 |
| 22 | 2.46 | -2.47 |
| 25 | 3.88 | -3.95 |
| 28 | 4.26 | -4.20 |
| 31 | 3.99 | -3.96 |
| 34 | 3.26 | -3.26 |
| 37 | 1.92 | -1.91 |
| 40 | 0.01 | -0.05 |
| 43 | 1.06 | -1.05 |
| 46 | 1.76 | -1.61 |
| 49 | 9.71 | -9.68 |
| 52 | 5.78 | -5.76 |
| 55 | 6.24 | -6.17 |
| 58 | 9.00 | -9.00 |
| 61 | 0.67 | -0.67 |
| 64 | 0.03 | -0.03 |
| 67 | 1.83 | -1.50 |
| 70 | 3.78 | -3.64 |
| 73 | 4.30 | -4.12 |
| 76 | 3.24 | -3.25 |
| 79 | 2.70 | -2.22 |
| 82 | 1.20 | -1.35 |
| 85 | 5.08 | -5.14 |
| 88 | 6.16 | -6.11 |
| 91 | 5.65 | -5.61 |
| 94 | 5.72 | -5.64 |
| 97 | 6.44 | -6.45 |
| 100 | 5.65 | -5.73 |
| 103 | 1.21 | -1.38 |
| 106 | 1.94 | -1.70 |
| 109 | 4.46 | -4.41 |
| 112 | 3.92 | -3.96 |
| 115 | 1.44 | -1.47 |
| 118 | 4.94 | -4.97 |
| 121 | 6.71 | -6.71 |
| 124 | 4.89 | -4.98 |
| 127 | 1.68 | -1.34 |
| 130 | 4.30 | -4.95 |
| 133 | 6.33 | -7.15 |
| 136 | 4.80 | -5.33 |
| 139 | 1.22 | -0.85 |
| 142 | 5.09 | -5.58 |
| 145 | 5.68 | -6.30 |
| 150 | 1.77 | -1.55 |
| 153 | 7.68 | -7.75 |
| 154 | 4.31 | -4.54 |
| 157 | 5.26 | -5.64 |
| 160 | 3.16 | -3.35 |
| 163 | 1.59 | -0.98 |
| 166 | 2.97 | -3.18 |
| 169 | 5.10 | -5.45 |
| 172 | 5.04 | -5.56 |
| 175 | 2.86 | -3.30 |
| 178 | 0.71 | -0.30 |

C152 - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 181 | 2.85 | -3.19 |
| 184 | 4.98 | -5.61 |
| 187 | 4.86 | -5.69 |
| 190 | 2.67 | -3.19 |
| 193 | 0.74 | -0.25 |
| 196 | 2.67 | -3.20 |
| 199 | 5.03 | -5.65 |
| 202 | 4.98 | -5.64 |
| 205 | 3.03 | -3.45 |
| 208 | 0.93 | -0.80 |
| 211 | 3.19 | -3.44 |
| 214 | 4.98 | -5.44 |
| 217 | 3.32 | -3.73 |
| 220 | 2.28 | -2.43 |

Girder 1 Service Bracing Moment - k-ft

| | Max
LL+I
Mom | Min
LL+I
Mom |
|----|--------------------|--------------------|
| | Perm Trk | Perm Trk |
| 1 | 10.58 | -10.43 |
| 3 | 6.48 | -6.50 |
| 2 | 1.77 | -2.02 |
| 4 | 7.22 | -7.26 |
| 5 | 6.12 | -6.67 |
| 8 | 20.77 | -20.52 |
| 10 | 7.74 | -7.62 |
| 11 | 25.11 | -25.09 |
| 13 | 7.20 | -7.51 |
| 14 | 37.34 | -37.03 |
| 16 | 7.76 | -7.82 |
| 17 | 25.45 | -25.70 |
| 19 | 0.16 | -0.33 |
| 20 | 0.15 | -0.08 |
| 22 | 0.24 | -0.22 |
| 23 | 21.26 | -21.23 |
| 25 | 5.99 | -7.20 |
| 26 | 31.89 | -31.93 |
| 28 | 5.13 | -5.03 |
| 29 | 33.80 | -33.55 |
| 31 | 5.39 | -4.96 |
| 32 | 31.51 | -31.24 |
| 34 | 6.33 | -7.40 |
| 35 | 26.67 | -26.81 |
| 37 | 0.36 | -0.38 |
| 38 | 16.36 | -16.34 |
| 40 | 0.32 | -0.08 |
| 41 | 0.02 | -0.09 |
| 43 | 0.32 | -0.42 |

| | C152 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 44 | 8.93 | -8.89 |
| 46 | 4.68 | -5.53 |
| 47 | 10.72 | -10.94 |
| 49 | 3.96 | -2.94 |
| 50 | 83.62 | -83.18 |
| 52 | 4.73 | -3.65 |
| 53 | 49.65 | -49.59 |
| 55 | 3.80 | -3.40 |
| 56 | 53.49 | -53.26 |
| 58 | 5.78 | -6.28 |
| 59 | 76.34 | -76.12 |
| 61 | 0.16 | -0.16 |
| 62 | 5.74 | -5.71 |
| 64 | 0.19 | -0.19 |
| 65 | 0.08 | -0.07 |
| 67 | 7.10 | -7.24 |
| 68 | 13.58 | -13.63 |
| 70 | 6.17 | -5.96 |
| 71 | 28.04 | -27.82 |
| 73 | 7.40 | -7.35 |
| 74 | 31.57 | -30.87 |
| 76 | 4.29 | -4.28 |
| 77 | 25.14 | -25.00 |
| 79 | 9.02 | -9.94 |
| 80 | 16.99 | -17.04 |
| 82 | 7.46 | -7.11 |
| 83 | 3.26 | -4.25 |
| 85 | 3.85 | -4.44 |
| 86 | 42.00 | -42.28 |
| 88 | 5.86 | -5.92 |
| 89 | 51.17 | -50.77 |
| 91 | 5.86 | -5.97 |
| 92 | 47.21 | -47.46 |
| 94 | 6.39 | -5.93 |
| 95 | 48.02 | -47.42 |
| 97 | 5.96 | -6.07 |
| 98 | 53.47 | -53.49 |
| 100 | 4.10 | -4.35 |
| 101 | 46.66 | -46.60 |
| 103 | 7.99 | -7.10 |
| 104 | 3.40 | -3.94 |
| 106 | 10.32 | -9.53 |
| 107 | 9.92 | -9.68 |
| 109 | 7.65 | -7.95 |
| 110 | 31.90 | -31.69 |

C152 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 112 | 4.40 | -5.69 |
| 113 | 30.70 | -30.61 |
| 115 | 8.33 | -8.09 |
| 116 | 4.39 | -4.44 |
| 118 | 7.45 | -7.92 |
| 119 | 36.88 | -37.09 |
| 121 | 15.75 | -15.62 |
| 122 | 47.44 | -47.58 |
| 124 | 8.02 | -7.39 |
| 125 | 36.23 | -36.83 |
| 127 | 7.59 | -9.29 |
| 128 | 5.23 | -4.05 |
| 130 | 10.52 | -6.82 |
| 131 | 35.15 | -37.56 |
| 133 | 18.42 | -14.22 |
| 134 | 45.37 | -48.56 |
| 136 | 11.44 | -8.51 |
| 137 | 34.95 | -37.42 |
| 139 | 5.42 | -7.36 |
| 140 | 3.54 | -2.15 |
| 142 | 12.02 | -9.77 |
| 143 | 36.54 | -38.44 |
| 145 | 16.99 | -13.78 |
| 146 | 38.93 | -40.86 |
| 150 | 8.87 | -9.40 |
| 149 | 6.03 | -4.68 |
| 153 | 11.51 | -11.00 |
| 152 | 66.22 | -66.19 |
| 154 | 10.55 | -8.45 |
| 155 | 30.79 | -31.40 |
| 157 | 15.01 | -12.41 |
| 158 | 36.69 | -37.60 |
| 160 | 7.28 | -5.51 |
| 161 | 23.85 | -24.25 |
| 163 | 5.63 | -8.32 |
| 164 | 5.55 | -2.93 |
| 166 | 8.41 | -7.79 |
| 167 | 25.43 | -25.38 |
| 169 | 12.44 | -9.33 |
| 170 | 37.93 | -38.22 |
| 172 | 13.14 | -9.70 |
| 173 | 37.68 | -38.93 |
| 175 | 8.77 | -6.31 |
| 176 | 24.63 | -25.67 |

| | C152 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 178 | 0.63 | -2.34 |
| 179 | 4.19 | -2.04 |
| 181 | 7.95 | -7.30 |
| 182 | 24.79 | -25.56 |
| 184 | 12.33 | -9.40 |
| 185 | 36.92 | -39.52 |
| 187 | 12.84 | -9.10 |
| 188 | 36.43 | -39.83 |
| 190 | 8.21 | -7.05 |
| 191 | 23.40 | -25.39 |
| 193 | 0.85 | -2.97 |
| 194 | 3.63 | -1.43 |
| 196 | 9.57 | -8.05 |
| 197 | 22.76 | -25.43 |
| 199 | 13.35 | -11.14 |
| 200 | 36.19 | -39.28 |
| 202 | 13.60 | -11.44 |
| 203 | 35.49 | -38.81 |
| 205 | 7.59 | -5.28 |
| 206 | 23.07 | -25.08 |
| 208 | 3.87 | -5.17 |
| 209 | 3.52 | -3.12 |
| 211 | 6.30 | -5.93 |
| 212 | 23.38 | -24.58 |
| 214 | 14.68 | -12.36 |
| 215 | 33.63 | -35.48 |
| 217 | 9.51 | -7.95 |
| 218 | 23.09 | -24.66 |
| 220 | 12.99 | -12.14 |
| 221 | 7.63 | -8.01 |

Girder 2 Service Bracing Shear - k

| | Max
LL+I
Shr
Perm Trk | Min
LL+I
Shr
Perm Trk |
|----|--------------------------------|--------------------------------|
| 3 | 1.97 | -1.95 |
| 4 | 0.86 | -0.89 |
| 8 | 2.94 | -2.97 |
| 11 | 3.50 | -3.58 |
| 14 | 4.83 | -4.87 |
| 17 | 2.80 | -2.65 |
| 20 | 0.04 | -0.01 |
| 23 | 2.47 | -2.48 |
| 26 | 3.94 | -3.90 |
| 29 | 4.20 | -4.26 |
| 32 | 3.96 | -3.97 |
| 35 | 3.25 | -3.29 |
| 38 | 1.90 | -1.91 |

C152 - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 41 | 0.03 | -0.01 |
| 44 | 1.04 | -1.03 |
| 47 | 1.62 | -1.72 |
| 50 | 9.71 | -9.69 |
| 53 | 5.68 | -5.81 |
| 56 | 6.20 | -6.23 |
| 59 | 9.01 | -8.99 |
| 62 | 0.67 | -0.66 |
| 65 | 0.03 | -0.02 |
| 68 | 1.49 | -1.82 |
| 71 | 3.64 | -3.78 |
| 74 | 4.14 | -4.30 |
| 77 | 3.23 | -3.23 |
| 80 | 2.22 | -2.71 |
| 83 | 1.33 | -1.29 |
| 86 | 5.11 | -5.11 |
| 89 | 6.09 | -6.13 |
| 92 | 5.67 | -5.67 |
| 95 | 5.63 | -5.69 |
| 98 | 6.47 | -6.45 |
| 101 | 5.72 | -5.63 |
| 104 | 1.40 | -1.22 |
| 107 | 1.71 | -1.94 |
| 110 | 4.45 | -4.47 |
| 113 | 3.93 | -3.90 |
| 116 | 1.46 | -1.46 |
| 119 | 4.97 | -4.92 |
| 122 | 6.72 | -6.83 |
| 125 | 4.97 | -4.91 |
| 128 | 1.69 | -1.43 |
| 131 | 4.28 | -4.39 |
| 134 | 6.17 | -6.93 |
| 137 | 4.69 | -4.93 |
| 140 | 1.10 | -0.77 |
| 143 | 5.33 | -5.60 |
| 146 | 5.42 | -6.15 |
| 149 | 2.73 | -2.43 |
| 152 | 7.72 | -7.88 |
| 155 | 4.15 | -4.55 |
| 158 | 4.96 | -5.60 |
| 161 | 2.89 | -3.14 |
| 164 | 0.85 | -0.52 |
| 167 | 3.23 | -3.38 |
| 170 | 4.86 | -5.67 |
| 173 | 4.88 | -5.71 |
| 176 | 3.17 | -3.30 |
| 179 | 0.88 | -0.55 |
| 182 | 3.16 | -3.21 |
| 185 | 5.06 | -5.52 |
| 188 | 5.10 | -5.50 |
| 191 | 3.07 | -3.02 |
| 194 | 1.95 | -1.18 |
| 197 | 2.66 | -2.97 |
| 200 | 4.98 | -5.18 |
| 203 | 4.95 | -5.15 |
| 206 | 2.56 | -2.74 |
| 209 | 1.42 | -0.76 |
| 212 | 3.09 | -3.05 |
| 215 | 4.93 | -5.26 |
| 218 | 3.23 | -3.66 |
| 221 | 2.61 | -2.87 |

Girder 2 Service Bracing Moment - k-ft

Max Min

C152 - Bracing Service Loads.txt
 LL+I LL+I
 Mom Mom
 Perm Trk Perm Trk

| | | |
|----|-------|--------|
| 3 | 6.48 | -6.50 |
| 6 | 10.58 | -10.43 |
| 4 | 7.26 | -7.24 |
| 7 | 1.71 | -2.05 |
| 8 | 20.68 | -20.62 |
| 9 | 6.41 | -6.65 |
| 11 | 25.26 | -25.00 |
| 12 | 7.63 | -7.67 |
| 14 | 37.26 | -37.09 |
| 15 | 7.32 | -7.50 |
| 17 | 25.44 | -25.71 |
| 18 | 7.71 | -7.76 |
| 20 | 0.06 | -0.15 |
| 21 | 0.24 | -0.04 |
| 23 | 21.26 | -21.19 |
| 24 | 0.26 | -0.27 |
| 26 | 32.02 | -31.88 |
| 27 | 5.97 | -7.25 |
| 29 | 33.81 | -33.55 |
| 30 | 5.14 | -5.02 |
| 32 | 31.33 | -31.30 |
| 33 | 5.41 | -4.91 |
| 35 | 26.76 | -26.76 |
| 36 | 6.31 | -7.40 |
| 38 | 16.37 | -16.31 |
| 39 | 0.35 | -0.38 |
| 41 | 0.06 | -0.16 |
| 42 | 0.11 | -0.05 |
| 44 | 8.96 | -8.97 |
| 45 | 0.20 | -0.15 |
| 47 | 10.73 | -10.94 |
| 48 | 4.58 | -5.35 |
| 50 | 83.52 | -83.42 |
| 51 | 4.07 | -2.95 |
| 53 | 49.83 | -49.23 |
| 54 | 4.13 | -3.65 |
| 56 | 53.50 | -53.28 |
| 57 | 4.28 | -3.40 |
| 59 | 76.24 | -76.18 |
| 60 | 5.77 | -6.23 |
| 62 | 5.74 | -5.81 |
| 63 | 0.22 | -0.17 |

| | C152 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 65 | 0.08 | -0.09 |
| 66 | 0.18 | -0.14 |
| 68 | 13.56 | -13.65 |
| 69 | 7.14 | -7.19 |
| 71 | 28.05 | -27.81 |
| 72 | 6.16 | -5.96 |
| 74 | 31.55 | -30.90 |
| 75 | 7.57 | -7.37 |
| 77 | 25.00 | -25.04 |
| 78 | 4.03 | -4.26 |
| 80 | 17.01 | -17.07 |
| 81 | 9.02 | -10.00 |
| 83 | 4.05 | -4.11 |
| 84 | 7.44 | -7.12 |
| 86 | 42.24 | -42.17 |
| 87 | 3.83 | -4.71 |
| 89 | 50.87 | -51.05 |
| 90 | 5.21 | -5.84 |
| 92 | 47.51 | -47.11 |
| 93 | 7.15 | -6.01 |
| 95 | 47.76 | -47.81 |
| 96 | 5.72 | -5.86 |
| 98 | 53.60 | -53.35 |
| 99 | 6.48 | -6.10 |
| 101 | 46.59 | -46.61 |
| 102 | 4.05 | -4.30 |
| 104 | 3.52 | -3.97 |
| 105 | 8.12 | -7.07 |
| 107 | 9.97 | -9.68 |
| 108 | 10.33 | -9.48 |
| 110 | 31.92 | -31.73 |
| 111 | 7.93 | -7.97 |
| 113 | 30.67 | -30.56 |
| 114 | 4.09 | -5.55 |
| 116 | 4.39 | -4.49 |
| 117 | 8.17 | -8.22 |
| 119 | 36.73 | -37.05 |
| 120 | 7.51 | -7.93 |
| 122 | 47.90 | -47.52 |
| 123 | 15.70 | -15.83 |
| 125 | 36.27 | -36.83 |
| 126 | 7.97 | -7.52 |
| 128 | 4.27 | -5.20 |
| 129 | 9.41 | -8.14 |
| 131 | 36.51 | -36.39 |

| | C152 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 132 | 9.13 | -12.66 |
| 134 | 48.96 | -46.99 |
| 135 | 10.63 | -14.83 |
| 137 | 36.41 | -36.24 |
| 138 | 5.51 | -10.61 |
| 140 | 2.98 | -4.12 |
| 141 | 5.96 | -3.78 |
| 143 | 38.84 | -38.34 |
| 144 | 10.64 | -12.12 |
| 146 | 40.95 | -38.32 |
| 147 | 11.98 | -15.85 |
| 149 | 7.26 | -7.76 |
| 148 | 16.00 | -14.36 |
| 152 | 66.20 | -65.57 |
| 151 | 12.05 | -12.71 |
| 155 | 32.50 | -31.34 |
| 156 | 6.10 | -8.54 |
| 158 | 39.04 | -36.60 |
| 159 | 9.62 | -12.34 |
| 161 | 24.87 | -23.44 |
| 162 | 4.23 | -7.68 |
| 164 | 2.61 | -3.61 |
| 165 | 4.27 | -2.18 |
| 167 | 26.36 | -25.25 |
| 168 | 6.22 | -8.54 |
| 170 | 40.11 | -36.79 |
| 171 | 8.62 | -12.38 |
| 173 | 40.23 | -37.00 |
| 174 | 8.90 | -12.88 |
| 176 | 25.54 | -25.31 |
| 177 | 6.14 | -9.47 |
| 179 | 3.27 | -4.29 |
| 180 | 3.95 | -1.83 |
| 182 | 25.39 | -25.36 |
| 183 | 5.71 | -8.13 |
| 185 | 39.13 | -38.13 |
| 186 | 9.18 | -12.02 |
| 188 | 38.95 | -38.34 |
| 189 | 9.10 | -12.07 |
| 191 | 24.79 | -25.22 |
| 192 | 5.96 | -8.63 |
| 194 | 4.44 | -6.09 |
| 195 | 10.86 | -6.20 |
| 197 | 23.70 | -24.70 |
| 198 | 8.02 | -9.87 |

C152 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 200 | 38.32 | -39.04 |
| 201 | 6.39 | -8.65 |
| 203 | 37.99 | -38.58 |
| 204 | 6.38 | -8.75 |
| 206 | 23.77 | -24.07 |
| 207 | 8.03 | -10.22 |
| 209 | 1.96 | -3.30 |
| 210 | 9.00 | -5.26 |
| 212 | 24.25 | -24.91 |
| 213 | 3.02 | -5.19 |
| 215 | 35.90 | -35.43 |
| 216 | 9.77 | -11.62 |
| 218 | 25.40 | -24.25 |
| 219 | 5.15 | -7.84 |
| 221 | 9.22 | -8.49 |
| 222 | 14.14 | -15.65 |

C174b Bracing Loads

| | Max
LL+I
Shr
Perm Trk | Min
LL+I
Shr
Perm Trk |
|-----|--------------------------------|--------------------------------|
| 1 | 1.80 | -1.81 |
| 2 | 0.82 | -0.80 |
| 5 | 2.75 | -2.68 |
| 10 | 3.26 | -3.25 |
| 13 | 4.50 | -4.43 |
| 16 | 2.44 | -2.58 |
| 19 | 0.05 | -0.02 |
| 22 | 2.27 | -2.27 |
| 25 | 3.57 | -3.64 |
| 28 | 3.92 | -3.87 |
| 31 | 3.68 | -3.64 |
| 34 | 3.01 | -3.01 |
| 37 | 1.76 | -1.76 |
| 40 | 0.01 | -0.04 |
| 43 | 0.98 | -0.97 |
| 46 | 1.62 | -1.48 |
| 49 | 8.94 | -8.92 |
| 52 | 5.34 | -5.33 |
| 55 | 5.75 | -5.69 |
| 58 | 8.30 | -8.29 |
| 61 | 0.62 | -0.62 |
| 64 | 0.03 | -0.03 |
| 67 | 1.69 | -1.38 |
| 70 | 3.49 | -3.36 |
| 73 | 3.97 | -3.80 |
| 76 | 2.99 | -3.00 |
| 79 | 2.50 | -2.05 |
| 82 | 1.10 | -1.24 |
| 85 | 4.69 | -4.74 |
| 88 | 5.68 | -5.63 |
| 91 | 5.19 | -5.16 |
| 94 | 5.26 | -5.19 |
| 97 | 5.94 | -5.94 |
| 100 | 5.21 | -5.28 |
| 103 | 1.12 | -1.27 |
| 106 | 1.80 | -1.57 |
| 109 | 4.11 | -4.07 |
| 112 | 3.62 | -3.65 |
| 115 | 1.33 | -1.36 |
| 118 | 4.55 | -4.58 |
| 121 | 6.18 | -6.18 |
| 124 | 4.51 | -4.59 |
| 127 | 1.54 | -1.24 |
| 130 | 3.97 | -4.56 |
| 133 | 5.83 | -6.59 |
| 136 | 4.43 | -4.91 |
| 139 | 1.12 | -0.78 |
| 142 | 4.69 | -5.14 |
| 145 | 5.24 | -5.81 |
| 150 | 1.63 | -1.43 |
| 153 | 7.10 | -7.16 |
| 154 | 3.97 | -4.18 |
| 157 | 4.83 | -5.19 |
| 160 | 2.92 | -3.09 |
| 163 | 1.46 | -0.90 |
| 166 | 2.74 | -2.94 |
| 169 | 4.69 | -5.01 |
| 172 | 4.64 | -5.13 |
| 175 | 2.64 | -3.05 |
| 178 | 0.65 | -0.28 |

C174 - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 181 | 2.63 | -2.94 |
| 184 | 4.58 | -5.16 |
| 187 | 4.48 | -5.25 |
| 190 | 2.46 | -2.95 |
| 193 | 0.68 | -0.23 |
| 196 | 2.46 | -2.95 |
| 199 | 4.63 | -5.20 |
| 202 | 4.58 | -5.19 |
| 205 | 2.79 | -3.18 |
| 208 | 0.86 | -0.73 |
| 211 | 2.94 | -3.17 |
| 214 | 4.59 | -5.01 |
| 217 | 3.06 | -3.43 |
| 220 | 2.10 | -2.23 |

Girder 1 Service Bracing Moment - k-ft

| | Max
LL+I
Mom
Perm Trk | Min
LL+I
Mom
Perm Trk |
|----|--------------------------------|--------------------------------|
| 1 | 9.73 | -9.59 |
| 3 | 5.96 | -5.98 |
| 2 | 1.64 | -1.87 |
| 4 | 6.64 | -6.68 |
| 5 | 5.64 | -6.16 |
| 8 | 19.13 | -18.90 |
| 10 | 7.13 | -7.00 |
| 11 | 23.09 | -23.09 |
| 13 | 6.64 | -6.92 |
| 14 | 34.39 | -34.10 |
| 16 | 7.13 | -7.19 |
| 17 | 23.38 | -23.67 |
| 19 | 0.15 | -0.31 |
| 20 | 0.14 | -0.07 |
| 22 | 0.22 | -0.20 |
| 23 | 19.57 | -19.55 |
| 25 | 5.51 | -6.65 |
| 26 | 29.35 | -29.40 |
| 28 | 4.73 | -4.63 |
| 29 | 31.10 | -30.87 |
| 31 | 4.97 | -4.57 |
| 32 | 29.01 | -28.76 |
| 34 | 5.82 | -6.81 |
| 35 | 24.51 | -24.69 |
| 37 | 0.33 | -0.35 |
| 38 | 15.06 | -15.04 |
| 40 | 0.30 | -0.07 |
| 41 | 0.02 | -0.08 |
| 43 | 0.30 | -0.38 |

| | C174 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 44 | 8.22 | -8.19 |
| 46 | 4.31 | -5.09 |
| 47 | 9.88 | -10.08 |
| 49 | 3.66 | -2.71 |
| 50 | 77.04 | -76.64 |
| 52 | 4.36 | -3.37 |
| 53 | 45.88 | -45.82 |
| 55 | 3.51 | -3.14 |
| 56 | 49.29 | -49.08 |
| 58 | 5.31 | -5.78 |
| 59 | 70.38 | -70.18 |
| 61 | 0.14 | -0.14 |
| 62 | 5.27 | -5.25 |
| 64 | 0.17 | -0.18 |
| 65 | 0.08 | -0.07 |
| 67 | 6.53 | -6.66 |
| 68 | 12.49 | -12.54 |
| 70 | 5.69 | -5.50 |
| 71 | 25.83 | -25.61 |
| 73 | 6.83 | -6.78 |
| 74 | 29.07 | -28.43 |
| 76 | 3.97 | -3.95 |
| 77 | 23.11 | -22.99 |
| 79 | 8.29 | -9.16 |
| 80 | 15.70 | -15.71 |
| 82 | 6.86 | -6.54 |
| 83 | 3.00 | -3.91 |
| 85 | 3.56 | -4.08 |
| 86 | 38.71 | -38.97 |
| 88 | 5.39 | -5.46 |
| 89 | 47.17 | -46.81 |
| 91 | 5.39 | -5.49 |
| 92 | 43.40 | -43.63 |
| 94 | 5.87 | -5.45 |
| 95 | 44.18 | -43.62 |
| 97 | 5.50 | -5.58 |
| 98 | 49.29 | -49.31 |
| 100 | 3.78 | -4.01 |
| 101 | 42.98 | -42.95 |
| 103 | 7.35 | -6.53 |
| 104 | 3.12 | -3.63 |
| 106 | 9.51 | -8.78 |
| 107 | 9.17 | -8.95 |
| 109 | 7.07 | -7.35 |
| 110 | 29.37 | -29.19 |

C174 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 112 | 4.08 | -5.25 |
| 113 | 28.26 | -28.22 |
| 115 | 7.66 | -7.44 |
| 116 | 4.04 | -4.09 |
| 118 | 6.87 | -7.31 |
| 119 | 33.98 | -34.15 |
| 121 | 14.50 | -14.39 |
| 122 | 43.68 | -43.80 |
| 124 | 7.40 | -6.81 |
| 125 | 33.37 | -33.93 |
| 127 | 6.97 | -8.54 |
| 128 | 4.81 | -3.72 |
| 130 | 9.71 | -6.28 |
| 131 | 32.36 | -34.58 |
| 133 | 16.97 | -13.10 |
| 134 | 41.77 | -44.71 |
| 136 | 10.56 | -7.84 |
| 137 | 32.18 | -34.47 |
| 139 | 4.98 | -6.76 |
| 140 | 3.25 | -1.97 |
| 142 | 11.09 | -9.01 |
| 143 | 33.63 | -35.39 |
| 145 | 15.66 | -12.71 |
| 146 | 35.92 | -37.68 |
| 150 | 8.17 | -8.65 |
| 149 | 5.55 | -4.30 |
| 153 | 10.59 | -10.12 |
| 152 | 61.07 | -61.05 |
| 154 | 9.74 | -7.81 |
| 155 | 28.33 | -28.93 |
| 157 | 13.84 | -11.44 |
| 158 | 33.75 | -34.58 |
| 160 | 6.72 | -5.09 |
| 161 | 21.96 | -22.34 |
| 163 | 5.19 | -7.65 |
| 164 | 5.11 | -2.69 |
| 166 | 7.73 | -7.16 |
| 167 | 23.43 | -23.39 |
| 169 | 11.48 | -8.61 |
| 170 | 34.90 | -35.18 |
| 172 | 12.13 | -8.93 |
| 173 | 34.67 | -35.82 |
| 175 | 8.09 | -5.80 |
| 176 | 22.66 | -23.61 |

| | | |
|-----|----------------------------------|--------|
| | C174 - Bracing Service Loads.txt | |
| 178 | 0.58 | -2.15 |
| 179 | 3.85 | -1.88 |
| 181 | 7.31 | -6.72 |
| 182 | 22.82 | -23.53 |
| 184 | 11.37 | -8.67 |
| 185 | 33.96 | -36.37 |
| 187 | 11.85 | -8.38 |
| 188 | 33.52 | -36.65 |
| 190 | 7.54 | -6.48 |
| 191 | 21.52 | -23.36 |
| 193 | 0.78 | -2.73 |
| 194 | 3.34 | -1.31 |
| 196 | 8.81 | -7.41 |
| 197 | 20.95 | -23.42 |
| 199 | 12.30 | -10.27 |
| 200 | 33.28 | -36.13 |
| 202 | 12.55 | -10.55 |
| 203 | 32.66 | -35.73 |
| 205 | 7.01 | -4.88 |
| 206 | 21.22 | -23.08 |
| 208 | 3.56 | -4.75 |
| 209 | 3.23 | -2.87 |
| 211 | 5.84 | -5.46 |
| 212 | 21.54 | -22.64 |
| 214 | 13.53 | -11.38 |
| 215 | 30.96 | -32.67 |
| 217 | 8.76 | -7.34 |
| 218 | 21.25 | -22.69 |
| 220 | 11.96 | -11.16 |
| 221 | 7.01 | -7.38 |

Girder 2 Service Bracing Shear - k

| | Max | Min |
|----|----------|----------|
| | LL+I | LL+I |
| | Shr | Shr |
| | Perm Trk | Perm Trk |
| 3 | 1.81 | -1.80 |
| 4 | 0.79 | -0.82 |
| 8 | 2.71 | -2.73 |
| 11 | 3.23 | -3.29 |
| 14 | 4.45 | -4.49 |
| 17 | 2.58 | -2.44 |
| 20 | 0.04 | -0.01 |
| 23 | 2.27 | -2.28 |
| 26 | 3.63 | -3.59 |
| 29 | 3.87 | -3.92 |
| 32 | 3.65 | -3.65 |
| 35 | 3.00 | -3.03 |
| 38 | 1.75 | -1.76 |

C174 - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 41 | 0.03 | -0.01 |
| 44 | 0.96 | -0.95 |
| 47 | 1.49 | -1.59 |
| 50 | 8.95 | -8.93 |
| 53 | 5.25 | -5.37 |
| 56 | 5.72 | -5.74 |
| 59 | 8.30 | -8.29 |
| 62 | 0.62 | -0.60 |
| 65 | 0.03 | -0.02 |
| 68 | 1.37 | -1.68 |
| 71 | 3.35 | -3.49 |
| 74 | 3.82 | -3.97 |
| 77 | 2.98 | -2.98 |
| 80 | 2.05 | -2.50 |
| 83 | 1.23 | -1.19 |
| 86 | 4.71 | -4.71 |
| 89 | 5.61 | -5.65 |
| 92 | 5.21 | -5.21 |
| 95 | 5.18 | -5.24 |
| 98 | 5.97 | -5.95 |
| 101 | 5.27 | -5.19 |
| 104 | 1.28 | -1.13 |
| 107 | 1.57 | -1.80 |
| 110 | 4.10 | -4.12 |
| 113 | 3.62 | -3.60 |
| 116 | 1.34 | -1.34 |
| 119 | 4.58 | -4.53 |
| 122 | 6.18 | -6.29 |
| 125 | 4.58 | -4.53 |
| 128 | 1.55 | -1.32 |
| 131 | 3.94 | -4.05 |
| 134 | 5.68 | -6.39 |
| 137 | 4.32 | -4.55 |
| 140 | 1.02 | -0.71 |
| 143 | 4.91 | -5.16 |
| 146 | 5.00 | -5.68 |
| 149 | 2.51 | -2.23 |
| 152 | 7.13 | -7.27 |
| 155 | 3.82 | -4.20 |
| 158 | 4.56 | -5.15 |
| 161 | 2.67 | -2.90 |
| 164 | 0.78 | -0.48 |
| 167 | 2.97 | -3.12 |
| 170 | 4.47 | -5.22 |
| 173 | 4.49 | -5.26 |
| 176 | 2.92 | -3.03 |
| 179 | 0.81 | -0.51 |
| 182 | 2.91 | -2.96 |
| 185 | 4.66 | -5.08 |
| 188 | 4.69 | -5.06 |
| 191 | 2.83 | -2.78 |
| 194 | 1.79 | -1.09 |
| 197 | 2.45 | -2.74 |
| 200 | 4.58 | -4.77 |
| 203 | 4.56 | -4.74 |
| 206 | 2.36 | -2.52 |
| 209 | 1.30 | -0.70 |
| 212 | 2.85 | -2.81 |
| 215 | 4.54 | -4.84 |
| 218 | 2.97 | -3.37 |
| 221 | 2.41 | -2.64 |

Girder 2 Service Bracing Moment - k-ft

Max Min

C174 - Bracing Service Loads.txt

| | LL+I
Mom | LL+I
Mom |
|----|-------------|-------------|
| | Perm Trk | Perm Trk |
| 3 | 5.96 | -5.98 |
| 6 | 9.74 | -9.60 |
| 4 | 6.67 | -6.67 |
| 7 | 1.59 | -1.90 |
| 8 | 19.04 | -18.99 |
| 9 | 5.91 | -6.13 |
| 11 | 23.23 | -23.01 |
| 12 | 7.02 | -7.06 |
| 14 | 34.31 | -34.15 |
| 15 | 6.75 | -6.91 |
| 17 | 23.38 | -23.68 |
| 18 | 7.08 | -7.14 |
| 20 | 0.05 | -0.13 |
| 21 | 0.22 | -0.04 |
| 23 | 19.58 | -19.51 |
| 24 | 0.24 | -0.25 |
| 26 | 29.47 | -29.36 |
| 27 | 5.50 | -6.69 |
| 29 | 31.11 | -30.87 |
| 30 | 4.74 | -4.63 |
| 32 | 28.85 | -28.82 |
| 33 | 4.99 | -4.52 |
| 35 | 24.60 | -24.65 |
| 36 | 5.80 | -6.82 |
| 38 | 15.06 | -15.01 |
| 39 | 0.33 | -0.35 |
| 41 | 0.05 | -0.15 |
| 42 | 0.10 | -0.05 |
| 44 | 8.25 | -8.26 |
| 45 | 0.18 | -0.14 |
| 47 | 9.89 | -10.08 |
| 48 | 4.21 | -4.92 |
| 50 | 76.96 | -76.86 |
| 51 | 3.76 | -2.73 |
| 53 | 46.05 | -45.49 |
| 54 | 3.81 | -3.37 |
| 56 | 49.29 | -49.09 |
| 57 | 3.95 | -3.14 |
| 59 | 70.29 | -70.24 |
| 60 | 5.31 | -5.74 |
| 62 | 5.27 | -5.34 |
| 63 | 0.21 | -0.15 |

| | C174 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 65 | 0.07 | -0.08 |
| 66 | 0.17 | -0.13 |
| 68 | 12.48 | -12.56 |
| 69 | 6.57 | -6.61 |
| 71 | 25.83 | -25.61 |
| 72 | 5.68 | -5.49 |
| 74 | 29.05 | -28.46 |
| 75 | 6.99 | -6.80 |
| 77 | 22.98 | -23.02 |
| 78 | 3.72 | -3.93 |
| 80 | 15.73 | -15.73 |
| 81 | 8.29 | -9.22 |
| 83 | 3.72 | -3.77 |
| 84 | 6.84 | -6.55 |
| 86 | 38.93 | -38.87 |
| 87 | 3.53 | -4.33 |
| 89 | 46.90 | -47.07 |
| 90 | 4.80 | -5.38 |
| 92 | 43.68 | -43.31 |
| 93 | 6.57 | -5.53 |
| 95 | 43.94 | -43.99 |
| 96 | 5.25 | -5.39 |
| 98 | 49.41 | -49.18 |
| 99 | 5.97 | -5.61 |
| 101 | 42.92 | -42.96 |
| 102 | 3.74 | -3.96 |
| 104 | 3.24 | -3.65 |
| 105 | 7.47 | -6.50 |
| 107 | 9.22 | -8.95 |
| 108 | 9.52 | -8.73 |
| 110 | 29.39 | -29.23 |
| 111 | 7.33 | -7.37 |
| 113 | 28.23 | -28.18 |
| 114 | 3.81 | -5.12 |
| 116 | 4.04 | -4.13 |
| 117 | 7.52 | -7.56 |
| 119 | 33.84 | -34.11 |
| 120 | 6.93 | -7.32 |
| 122 | 44.10 | -43.74 |
| 123 | 14.46 | -14.58 |
| 125 | 33.40 | -33.93 |
| 126 | 7.36 | -6.93 |
| 128 | 3.92 | -4.78 |
| 129 | 8.64 | -7.48 |
| 131 | 33.59 | -33.51 |

| | C174 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 132 | 8.40 | -11.68 |
| 134 | 45.10 | -43.27 |
| 135 | 9.76 | -13.66 |
| 137 | 33.53 | -33.37 |
| 138 | 5.07 | -9.78 |
| 140 | 2.75 | -3.78 |
| 141 | 5.50 | -3.49 |
| 143 | 35.76 | -35.29 |
| 144 | 9.78 | -11.18 |
| 146 | 37.79 | -35.36 |
| 147 | 11.03 | -14.60 |
| 149 | 6.68 | -7.15 |
| 148 | 14.73 | -13.21 |
| 152 | 61.05 | -60.48 |
| 151 | 11.10 | -11.70 |
| 155 | 29.92 | -28.85 |
| 156 | 5.63 | -7.89 |
| 158 | 35.91 | -33.66 |
| 159 | 8.86 | -11.37 |
| 161 | 22.89 | -21.58 |
| 162 | 3.89 | -7.10 |
| 164 | 2.40 | -3.32 |
| 165 | 3.94 | -2.00 |
| 167 | 24.26 | -23.25 |
| 168 | 5.72 | -7.89 |
| 170 | 36.91 | -33.84 |
| 171 | 7.94 | -11.41 |
| 173 | 37.02 | -34.04 |
| 174 | 8.18 | -11.88 |
| 176 | 23.50 | -23.28 |
| 177 | 5.65 | -8.74 |
| 179 | 3.01 | -3.94 |
| 180 | 3.63 | -1.69 |
| 182 | 23.38 | -23.33 |
| 183 | 5.25 | -7.51 |
| 185 | 36.00 | -35.07 |
| 186 | 8.45 | -11.08 |
| 188 | 35.85 | -35.28 |
| 189 | 8.37 | -11.13 |
| 191 | 22.78 | -23.22 |
| 192 | 5.48 | -7.95 |
| 194 | 4.08 | -5.60 |
| 195 | 9.98 | -5.71 |
| 197 | 21.80 | -22.73 |
| 198 | 7.38 | -9.09 |

C174 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 200 | 35.25 | -35.92 |
| 201 | 5.88 | -7.99 |
| 203 | 34.97 | -35.51 |
| 204 | 5.88 | -8.07 |
| 206 | 21.86 | -22.15 |
| 207 | 7.38 | -9.39 |
| 209 | 1.81 | -3.03 |
| 210 | 8.28 | -4.84 |
| 212 | 22.32 | -22.94 |
| 213 | 2.79 | -4.79 |
| 215 | 33.07 | -32.62 |
| 216 | 8.99 | -10.70 |
| 218 | 23.37 | -22.32 |
| 219 | 4.76 | -7.25 |
| 221 | 8.47 | -7.81 |
| 222 | 13.02 | -14.37 |

C198 Bracing Loads

Girder 1 Service Bracing Shear - k

| | Max
LL+I
Shr | Min
LL+I
Shr |
|-----|--------------------|--------------------|
| | Perm Trk | Perm Trk |
| 1 | 2.00 | -2.02 |
| 2 | 0.92 | -0.90 |
| 5 | 3.08 | -3.00 |
| 10 | 3.64 | -3.62 |
| 13 | 5.02 | -4.96 |
| 16 | 2.73 | -2.88 |
| 19 | 0.06 | -0.03 |
| 22 | 2.54 | -2.54 |
| 25 | 4.00 | -4.07 |
| 28 | 4.37 | -4.32 |
| 31 | 4.11 | -4.07 |
| 34 | 3.37 | -3.37 |
| 37 | 1.97 | -1.96 |
| 40 | 0.01 | -0.05 |
| 43 | 1.09 | -1.08 |
| 46 | 1.82 | -1.66 |
| 49 | 10.00 | -9.98 |
| 52 | 6.01 | -6.00 |
| 55 | 6.43 | -6.36 |
| 58 | 9.29 | -9.28 |
| 61 | 0.69 | -0.68 |
| 64 | 0.03 | -0.03 |
| 67 | 1.89 | -1.53 |
| 70 | 3.90 | -3.76 |
| 73 | 4.44 | -4.26 |
| 76 | 3.35 | -3.36 |
| 79 | 2.82 | -2.30 |
| 82 | 1.23 | -1.39 |
| 85 | 5.25 | -5.32 |
| 88 | 6.36 | -6.31 |
| 91 | 5.78 | -5.74 |
| 94 | 5.87 | -5.78 |
| 97 | 6.65 | -6.66 |
| 100 | 5.83 | -5.90 |
| 103 | 1.24 | -1.42 |
| 106 | 2.04 | -1.76 |
| 109 | 4.60 | -4.55 |
| 112 | 4.07 | -4.09 |
| 115 | 1.48 | -1.51 |
| 118 | 5.09 | -5.13 |
| 121 | 6.91 | -6.90 |
| 124 | 5.05 | -5.12 |
| 127 | 1.72 | -1.37 |
| 130 | 4.44 | -5.09 |
| 133 | 6.51 | -7.36 |
| 136 | 4.96 | -5.49 |
| 139 | 1.25 | -0.87 |
| 142 | 5.25 | -5.75 |
| 145 | 5.87 | -6.51 |
| 150 | 1.82 | -1.60 |
| 153 | 7.98 | -8.04 |
| 154 | 4.44 | -4.68 |
| 157 | 5.40 | -5.80 |
| 160 | 3.26 | -3.45 |
| 163 | 1.63 | -1.00 |
| 166 | 3.07 | -3.29 |
| 169 | 5.24 | -5.61 |
| 172 | 5.20 | -5.74 |
| 175 | 2.96 | -3.42 |
| 178 | 0.72 | -0.31 |

C198 - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 181 | 2.94 | -3.29 |
| 184 | 5.11 | -5.77 |
| 187 | 4.99 | -5.87 |
| 190 | 2.74 | -3.31 |
| 193 | 0.76 | -0.26 |
| 196 | 2.76 | -3.31 |
| 199 | 5.17 | -5.80 |
| 202 | 5.12 | -5.79 |
| 205 | 3.11 | -3.55 |
| 208 | 0.96 | -0.82 |
| 211 | 3.29 | -3.54 |
| 214 | 5.13 | -5.60 |
| 217 | 3.40 | -3.82 |
| 220 | 2.34 | -2.50 |

Girder 1 Service Bracing Moment - k-ft

| | Max
LL+I
Mom
Perm Trk | Min
LL+I
Mom
Perm Trk |
|----|--------------------------------|--------------------------------|
| 1 | 10.86 | -10.70 |
| 3 | 6.65 | -6.67 |
| 2 | 1.86 | -2.12 |
| 4 | 7.42 | -7.47 |
| 5 | 6.30 | -6.90 |
| 8 | 21.38 | -21.12 |
| 10 | 7.97 | -7.81 |
| 11 | 25.78 | -25.78 |
| 13 | 7.43 | -7.74 |
| 14 | 38.42 | -38.12 |
| 16 | 7.95 | -8.01 |
| 17 | 26.09 | -26.45 |
| 19 | 0.17 | -0.34 |
| 20 | 0.16 | -0.08 |
| 22 | 0.25 | -0.23 |
| 23 | 21.87 | -21.84 |
| 25 | 6.14 | -7.46 |
| 26 | 32.77 | -32.85 |
| 28 | 5.30 | -5.19 |
| 29 | 34.70 | -34.43 |
| 31 | 5.58 | -5.12 |
| 32 | 32.41 | -32.13 |
| 34 | 6.47 | -7.61 |
| 35 | 27.28 | -27.61 |
| 37 | 0.37 | -0.39 |
| 38 | 16.80 | -16.78 |
| 40 | 0.33 | -0.08 |
| 41 | 0.02 | -0.09 |
| 43 | 0.33 | -0.42 |

| | C198 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 44 | 9.19 | -9.15 |
| 46 | 4.80 | -5.68 |
| 47 | 11.06 | -11.29 |
| 49 | 4.11 | -3.05 |
| 50 | 86.16 | -85.71 |
| 52 | 4.89 | -3.77 |
| 53 | 51.62 | -51.55 |
| 55 | 3.94 | -3.52 |
| 56 | 55.12 | -54.89 |
| 58 | 5.92 | -6.46 |
| 59 | 78.82 | -78.59 |
| 61 | 0.16 | -0.16 |
| 62 | 5.86 | -5.83 |
| 64 | 0.19 | -0.20 |
| 65 | 0.09 | -0.08 |
| 67 | 7.27 | -7.41 |
| 68 | 13.92 | -14.02 |
| 70 | 6.37 | -6.16 |
| 71 | 28.86 | -28.63 |
| 73 | 7.68 | -7.60 |
| 74 | 32.53 | -31.82 |
| 76 | 4.46 | -4.44 |
| 77 | 25.88 | -25.73 |
| 79 | 9.22 | -10.26 |
| 80 | 17.67 | -17.62 |
| 82 | 7.63 | -7.29 |
| 83 | 3.35 | -4.36 |
| 85 | 4.00 | -4.55 |
| 86 | 43.33 | -43.62 |
| 88 | 6.02 | -6.11 |
| 89 | 52.83 | -52.43 |
| 91 | 6.02 | -6.11 |
| 92 | 48.33 | -48.59 |
| 94 | 6.55 | -6.08 |
| 95 | 49.26 | -48.65 |
| 97 | 6.15 | -6.24 |
| 98 | 55.19 | -55.21 |
| 100 | 4.25 | -4.50 |
| 101 | 48.04 | -48.05 |
| 103 | 8.20 | -7.28 |
| 104 | 3.48 | -4.04 |
| 106 | 10.62 | -9.81 |
| 107 | 10.32 | -10.08 |
| 109 | 7.94 | -8.27 |
| 110 | 32.82 | -32.63 |

C198 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 112 | 4.61 | -5.91 |
| 113 | 31.55 | -31.63 |
| 115 | 8.54 | -8.28 |
| 116 | 4.50 | -4.56 |
| 118 | 7.72 | -8.20 |
| 119 | 38.00 | -38.13 |
| 121 | 16.21 | -16.09 |
| 122 | 48.77 | -48.91 |
| 124 | 8.31 | -7.62 |
| 125 | 37.28 | -37.93 |
| 127 | 7.77 | -9.51 |
| 128 | 5.35 | -4.14 |
| 130 | 10.89 | -7.03 |
| 131 | 36.19 | -38.61 |
| 133 | 18.99 | -14.64 |
| 134 | 46.64 | -49.93 |
| 136 | 11.85 | -8.76 |
| 137 | 35.96 | -38.54 |
| 139 | 5.54 | -7.52 |
| 140 | 3.62 | -2.21 |
| 142 | 12.44 | -10.10 |
| 143 | 37.54 | -39.56 |
| 145 | 17.54 | -14.26 |
| 146 | 40.29 | -42.23 |
| 150 | 9.13 | -9.66 |
| 149 | 6.20 | -4.81 |
| 153 | 11.83 | -11.30 |
| 152 | 68.47 | -68.41 |
| 154 | 10.93 | -8.79 |
| 155 | 31.62 | -32.35 |
| 157 | 15.50 | -12.78 |
| 158 | 37.61 | -38.55 |
| 160 | 7.62 | -5.70 |
| 161 | 24.53 | -24.98 |
| 163 | 5.79 | -8.52 |
| 164 | 5.70 | -3.00 |
| 166 | 8.63 | -7.99 |
| 167 | 26.19 | -26.17 |
| 169 | 12.88 | -9.66 |
| 170 | 38.93 | -39.29 |
| 172 | 13.61 | -9.99 |
| 173 | 38.66 | -40.04 |
| 175 | 9.11 | -6.46 |
| 176 | 25.35 | -26.38 |

| | C198 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 178 | 0.64 | -2.40 |
| 179 | 4.30 | -2.09 |
| 181 | 8.16 | -7.52 |
| 182 | 25.47 | -26.30 |
| 184 | 12.74 | -9.72 |
| 185 | 37.84 | -40.58 |
| 187 | 13.29 | -9.37 |
| 188 | 37.39 | -40.89 |
| 190 | 8.42 | -7.22 |
| 191 | 23.97 | -26.08 |
| 193 | 0.87 | -3.04 |
| 194 | 3.72 | -1.46 |
| 196 | 9.84 | -8.26 |
| 197 | 23.38 | -26.17 |
| 199 | 13.76 | -11.49 |
| 200 | 37.09 | -40.33 |
| 202 | 14.09 | -11.82 |
| 203 | 36.46 | -39.89 |
| 205 | 7.88 | -5.50 |
| 206 | 23.67 | -25.75 |
| 208 | 3.98 | -5.30 |
| 209 | 3.60 | -3.20 |
| 211 | 6.61 | -6.12 |
| 212 | 24.08 | -25.30 |
| 214 | 15.14 | -12.71 |
| 215 | 34.59 | -36.50 |
| 217 | 9.82 | -8.25 |
| 218 | 23.72 | -25.32 |
| 220 | 13.37 | -12.41 |
| 221 | 7.82 | -8.24 |

Girder 2 Service Bracing Shear - k

| | Max | Min |
|----|----------|----------|
| | LL+I | LL+I |
| | Shr | Shr |
| | Perm Trk | Perm Trk |
| 3 | 2.02 | -2.01 |
| 4 | 0.89 | -0.92 |
| 8 | 3.04 | -3.06 |
| 11 | 3.60 | -3.67 |
| 14 | 4.97 | -5.01 |
| 17 | 2.89 | -2.73 |
| 20 | 0.04 | -0.01 |
| 23 | 2.54 | -2.55 |
| 26 | 4.06 | -4.02 |
| 29 | 4.32 | -4.38 |
| 32 | 4.08 | -4.08 |
| 35 | 3.36 | -3.40 |
| 38 | 1.96 | -1.97 |

C198 - Bracing Service Loads.txt

| | | |
|-----|-------|-------|
| 41 | 0.03 | -0.01 |
| 44 | 1.07 | -1.06 |
| 47 | 1.67 | -1.78 |
| 50 | 10.01 | -9.99 |
| 53 | 5.91 | -6.04 |
| 56 | 6.40 | -6.42 |
| 59 | 9.29 | -9.28 |
| 62 | 0.69 | -0.67 |
| 65 | 0.03 | -0.02 |
| 68 | 1.53 | -1.88 |
| 71 | 3.76 | -3.90 |
| 74 | 4.28 | -4.44 |
| 77 | 3.34 | -3.34 |
| 80 | 2.31 | -2.82 |
| 83 | 1.37 | -1.33 |
| 86 | 5.29 | -5.28 |
| 89 | 6.29 | -6.33 |
| 92 | 5.80 | -5.80 |
| 95 | 5.78 | -5.84 |
| 98 | 6.68 | -6.66 |
| 101 | 5.90 | -5.81 |
| 104 | 1.43 | -1.25 |
| 107 | 1.76 | -2.04 |
| 110 | 4.59 | -4.61 |
| 113 | 4.06 | -4.05 |
| 116 | 1.50 | -1.49 |
| 119 | 5.13 | -5.07 |
| 122 | 6.91 | -7.03 |
| 125 | 5.11 | -5.08 |
| 128 | 1.73 | -1.47 |
| 131 | 4.40 | -4.53 |
| 134 | 6.35 | -7.14 |
| 137 | 4.83 | -5.10 |
| 140 | 1.14 | -0.79 |
| 143 | 5.49 | -5.77 |
| 146 | 5.61 | -6.36 |
| 149 | 2.81 | -2.49 |
| 152 | 8.03 | -8.16 |
| 155 | 4.27 | -4.69 |
| 158 | 5.10 | -5.76 |
| 161 | 2.98 | -3.25 |
| 164 | 0.87 | -0.53 |
| 167 | 3.32 | -3.50 |
| 170 | 4.99 | -5.83 |
| 173 | 5.01 | -5.90 |
| 176 | 3.26 | -3.41 |
| 179 | 0.90 | -0.57 |
| 182 | 3.25 | -3.31 |
| 185 | 5.19 | -5.67 |
| 188 | 5.23 | -5.65 |
| 191 | 3.15 | -3.10 |
| 194 | 2.00 | -1.21 |
| 197 | 2.74 | -3.07 |
| 200 | 5.11 | -5.33 |
| 203 | 5.10 | -5.29 |
| 206 | 2.64 | -2.82 |
| 209 | 1.45 | -0.78 |
| 212 | 3.19 | -3.15 |
| 215 | 5.07 | -5.42 |
| 218 | 3.31 | -3.75 |
| 221 | 2.69 | -2.93 |

Girder 2 Service Bracing Moment - k-ft

Max Min

C198 - Bracing Service Loads.txt
 LL+I LL+I
 Mom Mom
 Perm Trk Perm Trk

| | | |
|----|-------|--------|
| 3 | 6.65 | -6.67 |
| 6 | 10.86 | -10.70 |
| 4 | 7.45 | -7.45 |
| 7 | 1.80 | -2.15 |
| 8 | 21.28 | -21.22 |
| 9 | 6.61 | -6.88 |
| 11 | 25.95 | -25.68 |
| 12 | 7.84 | -7.87 |
| 14 | 38.34 | -38.18 |
| 15 | 7.55 | -7.73 |
| 17 | 26.08 | -26.46 |
| 18 | 7.90 | -7.96 |
| 20 | 0.06 | -0.15 |
| 21 | 0.24 | -0.05 |
| 23 | 21.87 | -21.80 |
| 24 | 0.27 | -0.28 |
| 26 | 32.90 | -32.80 |
| 27 | 6.13 | -7.51 |
| 29 | 34.70 | -34.43 |
| 30 | 5.32 | -5.19 |
| 32 | 32.23 | -32.20 |
| 33 | 5.59 | -5.07 |
| 35 | 27.41 | -27.55 |
| 36 | 6.45 | -7.62 |
| 38 | 16.81 | -16.75 |
| 39 | 0.37 | -0.39 |
| 41 | 0.06 | -0.16 |
| 42 | 0.11 | -0.05 |
| 44 | 9.22 | -9.23 |
| 45 | 0.20 | -0.16 |
| 47 | 11.07 | -11.29 |
| 48 | 4.70 | -5.51 |
| 50 | 86.07 | -85.96 |
| 51 | 4.23 | -3.07 |
| 53 | 51.80 | -51.18 |
| 54 | 4.27 | -3.77 |
| 56 | 55.13 | -54.91 |
| 57 | 4.43 | -3.52 |
| 59 | 78.72 | -78.66 |
| 60 | 5.91 | -6.41 |
| 62 | 5.86 | -5.93 |
| 63 | 0.23 | -0.17 |

| | C198 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 65 | 0.08 | -0.09 |
| 66 | 0.18 | -0.15 |
| 68 | 13.91 | -14.04 |
| 69 | 7.31 | -7.36 |
| 71 | 28.86 | -28.63 |
| 72 | 6.36 | -6.16 |
| 74 | 32.52 | -31.85 |
| 75 | 7.86 | -7.62 |
| 77 | 25.74 | -25.77 |
| 78 | 4.19 | -4.42 |
| 80 | 17.70 | -17.64 |
| 81 | 9.22 | -10.32 |
| 83 | 4.16 | -4.20 |
| 84 | 7.62 | -7.31 |
| 86 | 43.58 | -43.52 |
| 87 | 3.96 | -4.83 |
| 89 | 52.52 | -52.71 |
| 90 | 5.36 | -6.02 |
| 92 | 48.64 | -48.23 |
| 93 | 7.32 | -6.16 |
| 95 | 49.00 | -49.06 |
| 96 | 5.85 | -6.01 |
| 98 | 55.33 | -55.07 |
| 99 | 6.68 | -6.27 |
| 101 | 47.98 | -48.06 |
| 102 | 4.20 | -4.45 |
| 104 | 3.61 | -4.07 |
| 105 | 8.33 | -7.25 |
| 107 | 10.37 | -10.07 |
| 108 | 10.63 | -9.76 |
| 110 | 32.84 | -32.67 |
| 111 | 8.23 | -8.30 |
| 113 | 31.52 | -31.58 |
| 114 | 4.34 | -5.76 |
| 116 | 4.50 | -4.60 |
| 117 | 8.38 | -8.42 |
| 119 | 37.85 | -38.09 |
| 120 | 7.78 | -8.21 |
| 122 | 49.24 | -48.85 |
| 123 | 16.17 | -16.31 |
| 125 | 37.33 | -37.93 |
| 126 | 8.25 | -7.75 |
| 128 | 4.36 | -5.33 |
| 129 | 9.62 | -8.33 |
| 131 | 37.50 | -37.43 |

| | C198 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 132 | 9.40 | -13.09 |
| 134 | 50.40 | -48.32 |
| 135 | 10.89 | -15.28 |
| 137 | 37.57 | -37.29 |
| 138 | 5.67 | -10.95 |
| 140 | 3.07 | -4.21 |
| 141 | 6.17 | -3.89 |
| 143 | 39.95 | -39.39 |
| 144 | 10.90 | -12.52 |
| 146 | 42.39 | -39.68 |
| 147 | 12.33 | -16.32 |
| 149 | 7.44 | -8.00 |
| 148 | 16.48 | -14.72 |
| 152 | 68.38 | -67.79 |
| 151 | 12.39 | -13.06 |
| 155 | 33.41 | -32.21 |
| 156 | 6.31 | -8.88 |
| 158 | 40.03 | -37.52 |
| 159 | 9.90 | -12.72 |
| 161 | 25.56 | -24.11 |
| 162 | 4.34 | -7.98 |
| 164 | 2.67 | -3.70 |
| 165 | 4.41 | -2.23 |
| 167 | 27.09 | -25.98 |
| 168 | 6.39 | -8.90 |
| 170 | 41.17 | -37.79 |
| 171 | 8.86 | -12.77 |
| 173 | 41.31 | -37.97 |
| 174 | 9.12 | -13.32 |
| 176 | 26.29 | -25.95 |
| 177 | 6.31 | -9.82 |
| 179 | 3.35 | -4.40 |
| 180 | 4.05 | -1.88 |
| 182 | 26.14 | -26.02 |
| 183 | 5.86 | -8.45 |
| 185 | 40.13 | -39.09 |
| 186 | 9.43 | -12.39 |
| 188 | 40.00 | -39.36 |
| 189 | 9.32 | -12.47 |
| 191 | 25.36 | -25.91 |
| 192 | 6.12 | -8.91 |
| 194 | 4.55 | -6.24 |
| 195 | 11.12 | -6.37 |
| 197 | 24.36 | -25.38 |
| 198 | 8.23 | -10.14 |

C198 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 200 | 39.29 | -40.06 |
| 201 | 6.56 | -8.97 |
| 203 | 39.04 | -39.64 |
| 204 | 6.57 | -9.05 |
| 206 | 24.34 | -24.74 |
| 207 | 8.23 | -10.46 |
| 209 | 2.02 | -3.38 |
| 210 | 9.22 | -5.40 |
| 212 | 24.94 | -25.64 |
| 213 | 3.14 | -5.37 |
| 215 | 36.95 | -36.44 |
| 216 | 10.04 | -11.97 |
| 218 | 26.06 | -24.91 |
| 219 | 5.35 | -8.16 |
| 221 | 9.42 | -8.72 |
| 222 | 14.56 | -15.98 |

C214b Bracing Loads

C214 - Bracing Service Loads.txt

Girder 1 Service Bracing Shear - k

| | Max
LL+I
Shr
Perm Trk | Min
LL+I
Shr
Perm Trk |
|-----|--------------------------------|--------------------------------|
| 1 | 1.80 | -1.81 |
| 2 | 0.82 | -0.80 |
| 5 | 2.75 | -2.68 |
| 10 | 3.26 | -3.25 |
| 13 | 4.50 | -4.43 |
| 16 | 2.44 | -2.58 |
| 19 | 0.05 | -0.02 |
| 22 | 2.27 | -2.27 |
| 25 | 3.57 | -3.64 |
| 28 | 3.92 | -3.87 |
| 31 | 3.68 | -3.64 |
| 34 | 3.01 | -3.01 |
| 37 | 1.76 | -1.76 |
| 40 | 0.01 | -0.04 |
| 43 | 0.98 | -0.97 |
| 46 | 1.62 | -1.48 |
| 49 | 8.94 | -8.92 |
| 52 | 5.34 | -5.33 |
| 55 | 5.75 | -5.69 |
| 58 | 8.30 | -8.29 |
| 61 | 0.62 | -0.62 |
| 64 | 0.03 | -0.03 |
| 67 | 1.69 | -1.38 |
| 70 | 3.49 | -3.36 |
| 73 | 3.97 | -3.80 |
| 76 | 2.99 | -3.00 |
| 79 | 2.50 | -2.05 |
| 82 | 1.10 | -1.24 |
| 85 | 4.69 | -4.74 |
| 88 | 5.68 | -5.63 |
| 91 | 5.19 | -5.16 |
| 94 | 5.26 | -5.19 |
| 97 | 5.94 | -5.94 |
| 100 | 5.21 | -5.28 |
| 103 | 1.12 | -1.27 |
| 106 | 1.80 | -1.57 |
| 109 | 4.11 | -4.07 |
| 112 | 3.62 | -3.65 |
| 115 | 1.33 | -1.36 |
| 118 | 4.55 | -4.58 |
| 121 | 6.18 | -6.18 |
| 124 | 4.51 | -4.59 |
| 127 | 1.54 | -1.24 |
| 130 | 3.97 | -4.56 |
| 133 | 5.83 | -6.59 |
| 136 | 4.43 | -4.91 |
| 139 | 1.12 | -0.78 |
| 142 | 4.69 | -5.14 |
| 145 | 5.24 | -5.81 |
| 150 | 1.63 | -1.43 |
| 153 | 7.10 | -7.16 |
| 154 | 3.97 | -4.18 |
| 157 | 4.83 | -5.19 |
| 160 | 2.92 | -3.09 |
| 163 | 1.46 | -0.90 |
| 166 | 2.74 | -2.94 |
| 169 | 4.69 | -5.01 |
| 172 | 4.64 | -5.13 |
| 175 | 2.64 | -3.05 |
| 178 | 0.65 | -0.28 |

| | C214 - Bracing Service Loads.txt | |
|-----|----------------------------------|-------|
| 181 | 2.63 | -2.94 |
| 184 | 4.58 | -5.16 |
| 187 | 4.48 | -5.25 |
| 190 | 2.46 | -2.95 |
| 193 | 0.68 | -0.23 |
| 196 | 2.46 | -2.95 |
| 199 | 4.63 | -5.20 |
| 202 | 4.58 | -5.19 |
| 205 | 2.79 | -3.18 |
| 208 | 0.86 | -0.73 |
| 211 | 2.94 | -3.17 |
| 214 | 4.59 | -5.01 |
| 217 | 3.06 | -3.43 |
| 220 | 2.10 | -2.23 |

Girder 1 Service Bracing Moment - k-ft

| | Max
LL+I
Mom
Perm Trk | Min
LL+I
Mom
Perm Trk |
|----|--------------------------------|--------------------------------|
| 1 | 9.73 | -9.59 |
| 3 | 5.96 | -5.98 |
| 2 | 1.64 | -1.87 |
| 4 | 6.64 | -6.68 |
| 5 | 5.64 | -6.16 |
| 8 | 19.13 | -18.90 |
| 10 | 7.13 | -7.00 |
| 11 | 23.09 | -23.09 |
| 13 | 6.64 | -6.92 |
| 14 | 34.39 | -34.10 |
| 16 | 7.13 | -7.19 |
| 17 | 23.38 | -23.67 |
| 19 | 0.15 | -0.31 |
| 20 | 0.14 | -0.07 |
| 22 | 0.22 | -0.20 |
| 23 | 19.57 | -19.55 |
| 25 | 5.51 | -6.65 |
| 26 | 29.35 | -29.40 |
| 28 | 4.73 | -4.63 |
| 29 | 31.10 | -30.87 |
| 31 | 4.97 | -4.57 |
| 32 | 29.01 | -28.76 |
| 34 | 5.82 | -6.81 |
| 35 | 24.51 | -24.69 |
| 37 | 0.33 | -0.35 |
| 38 | 15.06 | -15.04 |
| 40 | 0.30 | -0.07 |
| 41 | 0.02 | -0.08 |
| 43 | 0.30 | -0.38 |

| | C214 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 44 | 8.22 | -8.19 |
| 46 | 4.31 | -5.09 |
| 47 | 9.88 | -10.08 |
| 49 | 3.66 | -2.71 |
| 50 | 77.04 | -76.64 |
| 52 | 4.36 | -3.37 |
| 53 | 45.88 | -45.82 |
| 55 | 3.51 | -3.14 |
| 56 | 49.29 | -49.08 |
| 58 | 5.31 | -5.78 |
| 59 | 70.38 | -70.18 |
| 61 | 0.14 | -0.14 |
| 62 | 5.27 | -5.25 |
| 64 | 0.17 | -0.18 |
| 65 | 0.08 | -0.07 |
| 67 | 6.53 | -6.66 |
| 68 | 12.49 | -12.54 |
| 70 | 5.69 | -5.50 |
| 71 | 25.83 | -25.61 |
| 73 | 6.83 | -6.78 |
| 74 | 29.07 | -28.43 |
| 76 | 3.97 | -3.95 |
| 77 | 23.11 | -22.99 |
| 79 | 8.29 | -9.16 |
| 80 | 15.70 | -15.71 |
| 82 | 6.86 | -6.54 |
| 83 | 3.00 | -3.91 |
| 85 | 3.56 | -4.08 |
| 86 | 38.71 | -38.97 |
| 88 | 5.39 | -5.46 |
| 89 | 47.17 | -46.81 |
| 91 | 5.39 | -5.49 |
| 92 | 43.40 | -43.63 |
| 94 | 5.87 | -5.45 |
| 95 | 44.18 | -43.62 |
| 97 | 5.50 | -5.58 |
| 98 | 49.29 | -49.31 |
| 100 | 3.78 | -4.01 |
| 101 | 42.98 | -42.95 |
| 103 | 7.35 | -6.53 |
| 104 | 3.12 | -3.63 |
| 106 | 9.51 | -8.78 |
| 107 | 9.17 | -8.95 |
| 109 | 7.07 | -7.35 |
| 110 | 29.37 | -29.19 |

C214 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 112 | 4.08 | -5.25 |
| 113 | 28.26 | -28.22 |
| 115 | 7.66 | -7.44 |
| 116 | 4.04 | -4.09 |
| 118 | 6.87 | -7.31 |
| 119 | 33.98 | -34.15 |
| 121 | 14.50 | -14.39 |
| 122 | 43.68 | -43.80 |
| 124 | 7.40 | -6.81 |
| 125 | 33.37 | -33.93 |
| 127 | 6.97 | -8.54 |
| 128 | 4.81 | -3.72 |
| 130 | 9.71 | -6.28 |
| 131 | 32.36 | -34.58 |
| 133 | 16.97 | -13.10 |
| 134 | 41.77 | -44.71 |
| 136 | 10.56 | -7.84 |
| 137 | 32.18 | -34.47 |
| 139 | 4.98 | -6.76 |
| 140 | 3.25 | -1.97 |
| 142 | 11.09 | -9.01 |
| 143 | 33.63 | -35.39 |
| 145 | 15.66 | -12.71 |
| 146 | 35.92 | -37.68 |
| 150 | 8.17 | -8.65 |
| 149 | 5.55 | -4.30 |
| 153 | 10.59 | -10.12 |
| 152 | 61.07 | -61.05 |
| 154 | 9.74 | -7.81 |
| 155 | 28.33 | -28.93 |
| 157 | 13.84 | -11.44 |
| 158 | 33.75 | -34.58 |
| 160 | 6.72 | -5.09 |
| 161 | 21.96 | -22.34 |
| 163 | 5.19 | -7.65 |
| 164 | 5.11 | -2.69 |
| 166 | 7.73 | -7.16 |
| 167 | 23.43 | -23.39 |
| 169 | 11.48 | -8.61 |
| 170 | 34.90 | -35.18 |
| 172 | 12.13 | -8.93 |
| 173 | 34.67 | -35.82 |
| 175 | 8.09 | -5.80 |
| 176 | 22.66 | -23.61 |

| | | |
|-----|----------------------------------|--------|
| | C214 - Bracing Service Loads.txt | |
| 178 | 0.58 | -2.15 |
| 179 | 3.85 | -1.88 |
| 181 | 7.31 | -6.72 |
| 182 | 22.82 | -23.53 |
| 184 | 11.37 | -8.67 |
| 185 | 33.96 | -36.37 |
| 187 | 11.85 | -8.38 |
| 188 | 33.52 | -36.65 |
| 190 | 7.54 | -6.48 |
| 191 | 21.52 | -23.36 |
| 193 | 0.78 | -2.73 |
| 194 | 3.34 | -1.31 |
| 196 | 8.81 | -7.41 |
| 197 | 20.95 | -23.42 |
| 199 | 12.30 | -10.27 |
| 200 | 33.28 | -36.13 |
| 202 | 12.55 | -10.55 |
| 203 | 32.66 | -35.73 |
| 205 | 7.01 | -4.88 |
| 206 | 21.22 | -23.08 |
| 208 | 3.56 | -4.75 |
| 209 | 3.23 | -2.87 |
| 211 | 5.84 | -5.46 |
| 212 | 21.54 | -22.64 |
| 214 | 13.53 | -11.38 |
| 215 | 30.96 | -32.67 |
| 217 | 8.76 | -7.34 |
| 218 | 21.25 | -22.69 |
| 220 | 11.96 | -11.16 |
| 221 | 7.01 | -7.38 |

Girder 2 Service Bracing Shear - k

| | Max | Min |
|----|----------|----------|
| | LL+I | LL+I |
| | Shr | Shr |
| | Perm Trk | Perm Trk |
| 3 | 1.81 | -1.80 |
| 4 | 0.79 | -0.82 |
| 8 | 2.71 | -2.73 |
| 11 | 3.23 | -3.29 |
| 14 | 4.45 | -4.49 |
| 17 | 2.58 | -2.44 |
| 20 | 0.04 | -0.01 |
| 23 | 2.27 | -2.28 |
| 26 | 3.63 | -3.59 |
| 29 | 3.87 | -3.92 |
| 32 | 3.65 | -3.65 |
| 35 | 3.00 | -3.03 |
| 38 | 1.75 | -1.76 |

C214 - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 41 | 0.03 | -0.01 |
| 44 | 0.96 | -0.95 |
| 47 | 1.49 | -1.59 |
| 50 | 8.95 | -8.93 |
| 53 | 5.25 | -5.37 |
| 56 | 5.72 | -5.74 |
| 59 | 8.30 | -8.29 |
| 62 | 0.62 | -0.60 |
| 65 | 0.03 | -0.02 |
| 68 | 1.37 | -1.68 |
| 71 | 3.35 | -3.49 |
| 74 | 3.82 | -3.97 |
| 77 | 2.98 | -2.98 |
| 80 | 2.05 | -2.50 |
| 83 | 1.23 | -1.19 |
| 86 | 4.71 | -4.71 |
| 89 | 5.61 | -5.65 |
| 92 | 5.21 | -5.21 |
| 95 | 5.18 | -5.24 |
| 98 | 5.97 | -5.95 |
| 101 | 5.27 | -5.19 |
| 104 | 1.28 | -1.13 |
| 107 | 1.57 | -1.80 |
| 110 | 4.10 | -4.12 |
| 113 | 3.62 | -3.60 |
| 116 | 1.34 | -1.34 |
| 119 | 4.58 | -4.53 |
| 122 | 6.18 | -6.29 |
| 125 | 4.58 | -4.53 |
| 128 | 1.55 | -1.32 |
| 131 | 3.94 | -4.05 |
| 134 | 5.68 | -6.39 |
| 137 | 4.32 | -4.55 |
| 140 | 1.02 | -0.71 |
| 143 | 4.91 | -5.16 |
| 146 | 5.00 | -5.68 |
| 149 | 2.51 | -2.23 |
| 152 | 7.13 | -7.27 |
| 155 | 3.82 | -4.20 |
| 158 | 4.56 | -5.15 |
| 161 | 2.67 | -2.90 |
| 164 | 0.78 | -0.48 |
| 167 | 2.97 | -3.12 |
| 170 | 4.47 | -5.22 |
| 173 | 4.49 | -5.26 |
| 176 | 2.92 | -3.03 |
| 179 | 0.81 | -0.51 |
| 182 | 2.91 | -2.96 |
| 185 | 4.66 | -5.08 |
| 188 | 4.69 | -5.06 |
| 191 | 2.83 | -2.78 |
| 194 | 1.79 | -1.09 |
| 197 | 2.45 | -2.74 |
| 200 | 4.58 | -4.77 |
| 203 | 4.56 | -4.74 |
| 206 | 2.36 | -2.52 |
| 209 | 1.30 | -0.70 |
| 212 | 2.85 | -2.81 |
| 215 | 4.54 | -4.84 |
| 218 | 2.97 | -3.37 |
| 221 | 2.41 | -2.64 |

Girder 2 Service Bracing Moment - k-ft

Max Min

C214 - Bracing Service Loads.txt
 LL+I LL+I
 Mom Mom
 Perm Trk Perm Trk

| | | |
|----|-------|--------|
| 3 | 5.96 | -5.98 |
| 6 | 9.74 | -9.60 |
| 4 | 6.67 | -6.67 |
| 7 | 1.59 | -1.90 |
| 8 | 19.04 | -18.99 |
| 9 | 5.91 | -6.13 |
| 11 | 23.23 | -23.01 |
| 12 | 7.02 | -7.06 |
| 14 | 34.31 | -34.15 |
| 15 | 6.75 | -6.91 |
| 17 | 23.38 | -23.68 |
| 18 | 7.08 | -7.14 |
| 20 | 0.05 | -0.13 |
| 21 | 0.22 | -0.04 |
| 23 | 19.58 | -19.51 |
| 24 | 0.24 | -0.25 |
| 26 | 29.47 | -29.36 |
| 27 | 5.50 | -6.69 |
| 29 | 31.11 | -30.87 |
| 30 | 4.74 | -4.63 |
| 32 | 28.85 | -28.82 |
| 33 | 4.99 | -4.52 |
| 35 | 24.60 | -24.65 |
| 36 | 5.80 | -6.82 |
| 38 | 15.06 | -15.01 |
| 39 | 0.33 | -0.35 |
| 41 | 0.05 | -0.15 |
| 42 | 0.10 | -0.05 |
| 44 | 8.25 | -8.26 |
| 45 | 0.18 | -0.14 |
| 47 | 9.89 | -10.08 |
| 48 | 4.21 | -4.92 |
| 50 | 76.96 | -76.86 |
| 51 | 3.76 | -2.73 |
| 53 | 46.05 | -45.49 |
| 54 | 3.81 | -3.37 |
| 56 | 49.29 | -49.09 |
| 57 | 3.95 | -3.14 |
| 59 | 70.29 | -70.24 |
| 60 | 5.31 | -5.74 |
| 62 | 5.27 | -5.34 |
| 63 | 0.21 | -0.15 |

| | C214 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 65 | 0.07 | -0.08 |
| 66 | 0.17 | -0.13 |
| 68 | 12.48 | -12.56 |
| 69 | 6.57 | -6.61 |
| 71 | 25.83 | -25.61 |
| 72 | 5.68 | -5.49 |
| 74 | 29.05 | -28.46 |
| 75 | 6.99 | -6.80 |
| 77 | 22.98 | -23.02 |
| 78 | 3.72 | -3.93 |
| 80 | 15.73 | -15.73 |
| 81 | 8.29 | -9.22 |
| 83 | 3.72 | -3.77 |
| 84 | 6.84 | -6.55 |
| 86 | 38.93 | -38.87 |
| 87 | 3.53 | -4.33 |
| 89 | 46.90 | -47.07 |
| 90 | 4.80 | -5.38 |
| 92 | 43.68 | -43.31 |
| 93 | 6.57 | -5.53 |
| 95 | 43.94 | -43.99 |
| 96 | 5.25 | -5.39 |
| 98 | 49.41 | -49.18 |
| 99 | 5.97 | -5.61 |
| 101 | 42.92 | -42.96 |
| 102 | 3.74 | -3.96 |
| 104 | 3.24 | -3.65 |
| 105 | 7.47 | -6.50 |
| 107 | 9.22 | -8.95 |
| 108 | 9.52 | -8.73 |
| 110 | 29.39 | -29.23 |
| 111 | 7.33 | -7.37 |
| 113 | 28.23 | -28.18 |
| 114 | 3.81 | -5.12 |
| 116 | 4.04 | -4.13 |
| 117 | 7.52 | -7.56 |
| 119 | 33.84 | -34.11 |
| 120 | 6.93 | -7.32 |
| 122 | 44.10 | -43.74 |
| 123 | 14.46 | -14.58 |
| 125 | 33.40 | -33.93 |
| 126 | 7.36 | -6.93 |
| 128 | 3.92 | -4.78 |
| 129 | 8.64 | -7.48 |
| 131 | 33.59 | -33.51 |

| | C214 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 132 | 8.40 | -11.68 |
| 134 | 45.10 | -43.27 |
| 135 | 9.76 | -13.66 |
| 137 | 33.53 | -33.37 |
| 138 | 5.07 | -9.78 |
| 140 | 2.75 | -3.78 |
| 141 | 5.50 | -3.49 |
| 143 | 35.76 | -35.29 |
| 144 | 9.78 | -11.18 |
| 146 | 37.79 | -35.36 |
| 147 | 11.03 | -14.60 |
| 149 | 6.68 | -7.15 |
| 148 | 14.73 | -13.21 |
| 152 | 61.05 | -60.48 |
| 151 | 11.10 | -11.70 |
| 155 | 29.92 | -28.85 |
| 156 | 5.63 | -7.89 |
| 158 | 35.91 | -33.66 |
| 159 | 8.86 | -11.37 |
| 161 | 22.89 | -21.58 |
| 162 | 3.89 | -7.10 |
| 164 | 2.40 | -3.32 |
| 165 | 3.94 | -2.00 |
| 167 | 24.26 | -23.25 |
| 168 | 5.72 | -7.89 |
| 170 | 36.91 | -33.84 |
| 171 | 7.94 | -11.41 |
| 173 | 37.02 | -34.04 |
| 174 | 8.18 | -11.88 |
| 176 | 23.50 | -23.28 |
| 177 | 5.65 | -8.74 |
| 179 | 3.01 | -3.94 |
| 180 | 3.63 | -1.69 |
| 182 | 23.38 | -23.33 |
| 183 | 5.25 | -7.51 |
| 185 | 36.00 | -35.07 |
| 186 | 8.45 | -11.08 |
| 188 | 35.85 | -35.28 |
| 189 | 8.37 | -11.13 |
| 191 | 22.78 | -23.22 |
| 192 | 5.48 | -7.95 |
| 194 | 4.08 | -5.60 |
| 195 | 9.98 | -5.71 |
| 197 | 21.80 | -22.73 |
| 198 | 7.38 | -9.09 |

C214 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 200 | 35.25 | -35.92 |
| 201 | 5.88 | -7.99 |
| 203 | 34.97 | -35.51 |
| 204 | 5.88 | -8.07 |
| 206 | 21.86 | -22.15 |
| 207 | 7.38 | -9.39 |
| 209 | 1.81 | -3.03 |
| 210 | 8.28 | -4.84 |
| 212 | 22.32 | -22.94 |
| 213 | 2.79 | -4.79 |
| 215 | 33.07 | -32.62 |
| 216 | 8.99 | -10.70 |
| 218 | 23.37 | -22.32 |
| 219 | 4.76 | -7.25 |
| 221 | 8.47 | -7.81 |
| 222 | 13.02 | -14.37 |

C237b Bracing Loads

Girder 1 Service Bracing Shear - k

| | Max
LL+I
Shr
Perm Trk | Min
LL+I
Shr
Perm Trk |
|-----|--------------------------------|--------------------------------|
| 1 | 1.68 | -1.69 |
| 2 | 0.76 | -0.75 |
| 5 | 2.57 | -2.50 |
| 10 | 3.05 | -3.03 |
| 13 | 4.20 | -4.14 |
| 16 | 2.28 | -2.40 |
| 19 | 0.05 | -0.02 |
| 22 | 2.12 | -2.12 |
| 25 | 3.34 | -3.40 |
| 28 | 3.66 | -3.61 |
| 31 | 3.43 | -3.40 |
| 34 | 2.81 | -2.81 |
| 37 | 1.65 | -1.64 |
| 40 | 0.01 | -0.04 |
| 43 | 0.91 | -0.90 |
| 46 | 1.51 | -1.38 |
| 49 | 8.35 | -8.33 |
| 52 | 4.98 | -4.98 |
| 55 | 5.37 | -5.31 |
| 58 | 7.75 | -7.74 |
| 61 | 0.58 | -0.57 |
| 64 | 0.03 | -0.03 |
| 67 | 1.58 | -1.28 |
| 70 | 3.26 | -3.13 |
| 73 | 3.70 | -3.55 |
| 76 | 2.79 | -2.80 |
| 79 | 2.33 | -1.91 |
| 82 | 1.03 | -1.16 |
| 85 | 4.38 | -4.43 |
| 88 | 5.30 | -5.26 |
| 91 | 4.84 | -4.82 |
| 94 | 4.91 | -4.84 |
| 97 | 5.54 | -5.55 |
| 100 | 4.86 | -4.93 |
| 103 | 1.04 | -1.18 |
| 106 | 1.68 | -1.46 |
| 109 | 3.84 | -3.80 |
| 112 | 3.38 | -3.41 |
| 115 | 1.24 | -1.27 |
| 118 | 4.25 | -4.28 |
| 121 | 5.77 | -5.77 |
| 124 | 4.21 | -4.28 |
| 127 | 1.44 | -1.15 |
| 130 | 3.70 | -4.26 |
| 133 | 5.44 | -6.15 |
| 136 | 4.13 | -4.59 |
| 139 | 1.05 | -0.73 |
| 142 | 4.38 | -4.80 |
| 145 | 4.89 | -5.42 |
| 150 | 1.52 | -1.33 |
| 153 | 6.63 | -6.69 |
| 154 | 3.71 | -3.90 |
| 157 | 4.51 | -4.85 |
| 160 | 2.72 | -2.88 |
| 163 | 1.36 | -0.84 |
| 166 | 2.56 | -2.74 |
| 169 | 4.38 | -4.68 |
| 172 | 4.33 | -4.79 |
| 175 | 2.46 | -2.84 |
| 178 | 0.61 | -0.26 |

C237 - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 181 | 2.45 | -2.75 |
| 184 | 4.27 | -4.82 |
| 187 | 4.18 | -4.90 |
| 190 | 2.29 | -2.75 |
| 193 | 0.64 | -0.22 |
| 196 | 2.30 | -2.76 |
| 199 | 4.32 | -4.85 |
| 202 | 4.28 | -4.84 |
| 205 | 2.60 | -2.97 |
| 208 | 0.80 | -0.68 |
| 211 | 2.74 | -2.96 |
| 214 | 4.28 | -4.67 |
| 217 | 2.85 | -3.20 |
| 220 | 1.96 | -2.09 |

Girder 1 Service Bracing Moment - k-ft

| | Max
LL+I
Mom
Perm Trk | Min
LL+I
Mom
Perm Trk |
|----|--------------------------------|--------------------------------|
| 1 | 9.09 | -8.96 |
| 3 | 5.56 | -5.58 |
| 2 | 1.53 | -1.75 |
| 4 | 6.20 | -6.24 |
| 5 | 5.26 | -5.75 |
| 8 | 17.86 | -17.65 |
| 10 | 6.66 | -6.54 |
| 11 | 21.55 | -21.56 |
| 13 | 6.20 | -6.46 |
| 14 | 32.10 | -31.84 |
| 16 | 6.65 | -6.71 |
| 17 | 21.83 | -22.10 |
| 19 | 0.14 | -0.29 |
| 20 | 0.13 | -0.07 |
| 22 | 0.21 | -0.19 |
| 23 | 18.27 | -18.25 |
| 25 | 5.14 | -6.21 |
| 26 | 27.40 | -27.45 |
| 28 | 4.42 | -4.33 |
| 29 | 29.03 | -28.82 |
| 31 | 4.65 | -4.27 |
| 32 | 27.09 | -26.85 |
| 34 | 5.43 | -6.36 |
| 35 | 22.88 | -23.06 |
| 37 | 0.31 | -0.32 |
| 38 | 14.06 | -14.04 |
| 40 | 0.28 | -0.07 |
| 41 | 0.01 | -0.07 |
| 43 | 0.28 | -0.36 |

| | C237 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 44 | 7.68 | -7.64 |
| 46 | 4.02 | -4.75 |
| 47 | 9.23 | -9.42 |
| 49 | 3.42 | -2.54 |
| 50 | 71.93 | -71.55 |
| 52 | 4.07 | -3.14 |
| 53 | 42.85 | -42.80 |
| 55 | 3.28 | -2.93 |
| 56 | 46.01 | -45.82 |
| 58 | 4.96 | -5.40 |
| 59 | 65.72 | -65.53 |
| 61 | 0.13 | -0.13 |
| 62 | 4.92 | -4.90 |
| 64 | 0.16 | -0.17 |
| 65 | 0.07 | -0.06 |
| 67 | 6.10 | -6.21 |
| 68 | 11.66 | -11.71 |
| 70 | 5.31 | -5.13 |
| 71 | 24.11 | -23.91 |
| 73 | 6.38 | -6.33 |
| 74 | 27.14 | -26.54 |
| 76 | 3.70 | -3.69 |
| 77 | 21.57 | -21.46 |
| 79 | 7.74 | -8.56 |
| 80 | 14.66 | -14.66 |
| 82 | 6.40 | -6.10 |
| 83 | 2.80 | -3.65 |
| 85 | 3.32 | -3.81 |
| 86 | 36.15 | -36.39 |
| 88 | 5.03 | -5.09 |
| 89 | 44.05 | -43.71 |
| 91 | 5.04 | -5.12 |
| 92 | 40.52 | -40.73 |
| 94 | 5.48 | -5.09 |
| 95 | 41.24 | -40.72 |
| 97 | 5.13 | -5.21 |
| 98 | 46.03 | -46.04 |
| 100 | 3.53 | -3.74 |
| 101 | 40.13 | -40.10 |
| 103 | 6.87 | -6.10 |
| 104 | 2.92 | -3.38 |
| 106 | 8.87 | -8.19 |
| 107 | 8.56 | -8.36 |
| 109 | 6.60 | -6.86 |
| 110 | 27.42 | -27.26 |

C237 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 112 | 3.81 | -4.90 |
| 113 | 26.38 | -26.35 |
| 115 | 7.15 | -6.94 |
| 116 | 3.77 | -3.81 |
| 118 | 6.42 | -6.82 |
| 119 | 31.73 | -31.88 |
| 121 | 13.54 | -13.43 |
| 122 | 40.77 | -40.89 |
| 124 | 6.91 | -6.36 |
| 125 | 31.15 | -31.68 |
| 127 | 6.51 | -7.97 |
| 128 | 4.49 | -3.47 |
| 130 | 9.06 | -5.87 |
| 131 | 30.21 | -32.28 |
| 133 | 15.85 | -12.23 |
| 134 | 38.99 | -41.74 |
| 136 | 9.86 | -7.32 |
| 137 | 30.05 | -32.18 |
| 139 | 4.65 | -6.31 |
| 140 | 3.03 | -1.84 |
| 142 | 10.35 | -8.41 |
| 143 | 31.40 | -33.04 |
| 145 | 14.62 | -11.87 |
| 146 | 33.54 | -35.19 |
| 150 | 7.62 | -8.08 |
| 149 | 5.18 | -4.02 |
| 153 | 9.89 | -9.45 |
| 152 | 57.03 | -57.00 |
| 154 | 9.10 | -7.30 |
| 155 | 26.45 | -27.01 |
| 157 | 12.92 | -10.68 |
| 158 | 31.50 | -32.28 |
| 160 | 6.28 | -4.75 |
| 161 | 20.50 | -20.86 |
| 163 | 4.84 | -7.14 |
| 164 | 4.77 | -2.51 |
| 166 | 7.22 | -6.68 |
| 167 | 21.87 | -21.84 |
| 169 | 10.72 | -8.04 |
| 170 | 32.58 | -32.85 |
| 172 | 11.33 | -8.34 |
| 173 | 32.36 | -33.44 |
| 175 | 7.56 | -5.41 |
| 176 | 21.16 | -22.04 |

| | C237 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 178 | 0.54 | -2.01 |
| 179 | 3.60 | -1.75 |
| 181 | 6.83 | -6.28 |
| 182 | 21.30 | -21.97 |
| 184 | 10.61 | -8.10 |
| 185 | 31.70 | -33.95 |
| 187 | 11.06 | -7.83 |
| 188 | 31.29 | -34.22 |
| 190 | 7.04 | -6.05 |
| 191 | 20.09 | -21.80 |
| 193 | 0.73 | -2.55 |
| 194 | 3.11 | -1.22 |
| 196 | 8.23 | -6.92 |
| 197 | 19.56 | -21.86 |
| 199 | 11.48 | -9.59 |
| 200 | 31.07 | -33.73 |
| 202 | 11.72 | -9.85 |
| 203 | 30.49 | -33.35 |
| 205 | 6.55 | -4.56 |
| 206 | 19.81 | -21.55 |
| 208 | 3.33 | -4.44 |
| 209 | 3.02 | -2.68 |
| 211 | 5.45 | -5.10 |
| 212 | 20.11 | -21.14 |
| 214 | 12.63 | -10.62 |
| 215 | 28.91 | -30.50 |
| 217 | 8.18 | -6.86 |
| 218 | 19.84 | -21.18 |
| 220 | 11.17 | -10.41 |
| 221 | 6.54 | -6.89 |

Girder 2 Service Bracing Shear - k

| | Max
LL+I
Shr
Perm Trk | Min
LL+I
Shr
Perm Trk |
|----|--------------------------------|--------------------------------|
| 3 | 1.69 | -1.68 |
| 4 | 0.74 | -0.77 |
| 8 | 2.53 | -2.55 |
| 11 | 3.01 | -3.07 |
| 14 | 4.16 | -4.19 |
| 17 | 2.41 | -2.28 |
| 20 | 0.04 | -0.01 |
| 23 | 2.12 | -2.13 |
| 26 | 3.39 | -3.35 |
| 29 | 3.61 | -3.66 |
| 32 | 3.41 | -3.41 |
| 35 | 2.80 | -2.83 |
| 38 | 1.64 | -1.64 |

C237 - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 41 | 0.03 | -0.01 |
| 44 | 0.90 | -0.89 |
| 47 | 1.39 | -1.48 |
| 50 | 8.36 | -8.34 |
| 53 | 4.90 | -5.01 |
| 56 | 5.34 | -5.36 |
| 59 | 7.75 | -7.74 |
| 62 | 0.58 | -0.56 |
| 65 | 0.03 | -0.02 |
| 68 | 1.28 | -1.57 |
| 71 | 3.13 | -3.26 |
| 74 | 3.56 | -3.70 |
| 77 | 2.78 | -2.78 |
| 80 | 1.92 | -2.34 |
| 83 | 1.14 | -1.11 |
| 86 | 4.40 | -4.40 |
| 89 | 5.24 | -5.27 |
| 92 | 4.86 | -4.86 |
| 95 | 4.83 | -4.89 |
| 98 | 5.57 | -5.55 |
| 101 | 4.92 | -4.85 |
| 104 | 1.20 | -1.05 |
| 107 | 1.47 | -1.68 |
| 110 | 3.83 | -3.84 |
| 113 | 3.38 | -3.37 |
| 116 | 1.25 | -1.25 |
| 119 | 4.27 | -4.23 |
| 122 | 5.77 | -5.87 |
| 125 | 4.27 | -4.23 |
| 128 | 1.45 | -1.23 |
| 131 | 3.68 | -3.78 |
| 134 | 5.31 | -5.96 |
| 137 | 4.03 | -4.25 |
| 140 | 0.95 | -0.66 |
| 143 | 4.59 | -4.82 |
| 146 | 4.67 | -5.30 |
| 149 | 2.34 | -2.08 |
| 152 | 6.66 | -6.79 |
| 155 | 3.57 | -3.92 |
| 158 | 4.26 | -4.81 |
| 161 | 2.49 | -2.71 |
| 164 | 0.73 | -0.45 |
| 167 | 2.78 | -2.91 |
| 170 | 4.18 | -4.88 |
| 173 | 4.19 | -4.91 |
| 176 | 2.73 | -2.83 |
| 179 | 0.75 | -0.48 |
| 182 | 2.72 | -2.76 |
| 185 | 4.35 | -4.74 |
| 188 | 4.38 | -4.73 |
| 191 | 2.64 | -2.59 |
| 194 | 1.67 | -1.01 |
| 197 | 2.29 | -2.56 |
| 200 | 4.28 | -4.46 |
| 203 | 4.26 | -4.42 |
| 206 | 2.20 | -2.36 |
| 209 | 1.22 | -0.65 |
| 212 | 2.66 | -2.62 |
| 215 | 4.24 | -4.52 |
| 218 | 2.77 | -3.14 |
| 221 | 2.25 | -2.46 |

Girder 2 Service Bracing Moment - k-ft

Max Min

C237 - Bracing Service Loads.txt
 LL+I LL+I
 Mom Mom
 Perm Trk Perm Trk

| | | |
|----|-------|--------|
| 3 | 5.57 | -5.58 |
| 6 | 9.09 | -8.96 |
| 4 | 6.23 | -6.22 |
| 7 | 1.48 | -1.77 |
| 8 | 17.78 | -17.73 |
| 9 | 5.52 | -5.73 |
| 11 | 21.69 | -21.48 |
| 12 | 6.55 | -6.59 |
| 14 | 32.03 | -31.89 |
| 15 | 6.30 | -6.45 |
| 17 | 21.82 | -22.11 |
| 18 | 6.61 | -6.66 |
| 20 | 0.05 | -0.12 |
| 21 | 0.20 | -0.04 |
| 23 | 18.28 | -18.22 |
| 24 | 0.22 | -0.23 |
| 26 | 27.51 | -27.41 |
| 27 | 5.13 | -6.25 |
| 29 | 29.04 | -28.82 |
| 30 | 4.43 | -4.32 |
| 32 | 26.94 | -26.91 |
| 33 | 4.66 | -4.22 |
| 35 | 22.96 | -23.01 |
| 36 | 5.41 | -6.37 |
| 38 | 14.06 | -14.02 |
| 39 | 0.31 | -0.32 |
| 41 | 0.05 | -0.14 |
| 42 | 0.09 | -0.04 |
| 44 | 7.70 | -7.71 |
| 45 | 0.17 | -0.13 |
| 47 | 9.24 | -9.41 |
| 48 | 3.93 | -4.60 |
| 50 | 71.85 | -71.76 |
| 51 | 3.51 | -2.55 |
| 53 | 43.00 | -42.49 |
| 54 | 3.56 | -3.14 |
| 56 | 46.02 | -45.83 |
| 57 | 3.69 | -2.93 |
| 59 | 65.63 | -65.58 |
| 60 | 4.96 | -5.36 |
| 62 | 4.92 | -4.98 |
| 63 | 0.19 | -0.14 |

| | C237 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 65 | 0.07 | -0.08 |
| 66 | 0.15 | -0.12 |
| 68 | 11.65 | -11.72 |
| 69 | 6.13 | -6.17 |
| 71 | 24.11 | -23.91 |
| 72 | 5.30 | -5.13 |
| 74 | 27.13 | -26.57 |
| 75 | 6.53 | -6.35 |
| 77 | 21.45 | -21.48 |
| 78 | 3.48 | -3.67 |
| 80 | 14.69 | -14.69 |
| 81 | 7.74 | -8.61 |
| 83 | 3.47 | -3.52 |
| 84 | 6.38 | -6.12 |
| 86 | 36.35 | -36.30 |
| 87 | 3.30 | -4.04 |
| 89 | 43.79 | -43.95 |
| 90 | 4.48 | -5.02 |
| 92 | 40.77 | -40.43 |
| 93 | 6.13 | -5.16 |
| 95 | 41.02 | -41.07 |
| 96 | 4.90 | -5.03 |
| 98 | 46.14 | -45.92 |
| 99 | 5.57 | -5.24 |
| 101 | 40.07 | -40.11 |
| 102 | 3.49 | -3.70 |
| 104 | 3.03 | -3.41 |
| 105 | 6.97 | -6.07 |
| 107 | 8.61 | -8.36 |
| 108 | 8.88 | -8.15 |
| 110 | 27.44 | -27.29 |
| 111 | 6.84 | -6.88 |
| 113 | 26.36 | -26.31 |
| 114 | 3.56 | -4.78 |
| 116 | 3.77 | -3.85 |
| 117 | 7.02 | -7.06 |
| 119 | 31.60 | -31.84 |
| 120 | 6.47 | -6.83 |
| 122 | 41.17 | -40.84 |
| 123 | 13.50 | -13.61 |
| 125 | 31.18 | -31.68 |
| 126 | 6.87 | -6.47 |
| 128 | 3.66 | -4.46 |
| 129 | 8.07 | -6.98 |
| 131 | 31.35 | -31.28 |

| | C237 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 132 | 7.84 | -10.91 |
| 134 | 42.10 | -40.39 |
| 135 | 9.11 | -12.76 |
| 137 | 31.30 | -31.16 |
| 138 | 4.74 | -9.13 |
| 140 | 2.57 | -3.53 |
| 141 | 5.13 | -3.25 |
| 143 | 33.39 | -32.94 |
| 144 | 9.13 | -10.44 |
| 146 | 35.28 | -33.02 |
| 147 | 10.30 | -13.63 |
| 149 | 6.23 | -6.67 |
| 148 | 13.75 | -12.33 |
| 152 | 57.00 | -56.47 |
| 151 | 10.36 | -10.92 |
| 155 | 27.93 | -26.94 |
| 156 | 5.25 | -7.37 |
| 158 | 33.52 | -31.42 |
| 159 | 8.27 | -10.62 |
| 161 | 21.37 | -20.14 |
| 162 | 3.63 | -6.63 |
| 164 | 2.24 | -3.10 |
| 165 | 3.68 | -1.87 |
| 167 | 22.65 | -21.70 |
| 168 | 5.34 | -7.37 |
| 170 | 34.45 | -31.59 |
| 171 | 7.41 | -10.65 |
| 173 | 34.56 | -31.78 |
| 174 | 7.64 | -11.09 |
| 176 | 21.94 | -21.73 |
| 177 | 5.28 | -8.17 |
| 179 | 2.81 | -3.68 |
| 180 | 3.39 | -1.57 |
| 182 | 21.83 | -21.78 |
| 183 | 4.90 | -7.01 |
| 185 | 33.60 | -32.73 |
| 186 | 7.89 | -10.34 |
| 188 | 33.46 | -32.94 |
| 189 | 7.81 | -10.39 |
| 191 | 21.26 | -21.67 |
| 192 | 5.12 | -7.43 |
| 194 | 3.81 | -5.23 |
| 195 | 9.32 | -5.33 |
| 197 | 20.35 | -21.22 |
| 198 | 6.89 | -8.48 |

C237 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 200 | 32.90 | -33.53 |
| 201 | 5.49 | -7.46 |
| 203 | 32.65 | -33.15 |
| 204 | 5.49 | -7.54 |
| 206 | 20.40 | -20.67 |
| 207 | 6.89 | -8.77 |
| 209 | 1.69 | -2.83 |
| 210 | 7.73 | -4.52 |
| 212 | 20.84 | -21.42 |
| 213 | 2.61 | -4.47 |
| 215 | 30.87 | -30.46 |
| 216 | 8.39 | -9.99 |
| 218 | 21.81 | -20.84 |
| 219 | 4.45 | -6.77 |
| 221 | 7.91 | -7.29 |
| 222 | 12.16 | -13.42 |

C256b Bracing Loads

Girder 1 Service Bracing Shear - k

| | Max
LL+I
Shr | Min
LL+I
Shr |
|-----|--------------------|--------------------|
| | Perm Trk | Perm Trk |
| 1 | 1.85 | -1.86 |
| 2 | 0.83 | -0.82 |
| 5 | 2.80 | -2.72 |
| 10 | 3.34 | -3.31 |
| 13 | 4.59 | -4.52 |
| 16 | 2.48 | -2.62 |
| 19 | 0.05 | -0.02 |
| 22 | 2.30 | -2.30 |
| 25 | 3.66 | -3.69 |
| 28 | 4.01 | -3.95 |
| 31 | 3.75 | -3.70 |
| 34 | 3.05 | -3.03 |
| 37 | 1.78 | -1.77 |
| 40 | 0.01 | -0.04 |
| 43 | 0.98 | -0.96 |
| 46 | 1.65 | -1.49 |
| 49 | 9.11 | -9.09 |
| 52 | 5.41 | -5.40 |
| 55 | 5.81 | -5.74 |
| 58 | 8.36 | -8.37 |
| 61 | 0.63 | -0.62 |
| 64 | 0.03 | -0.03 |
| 67 | 1.70 | -1.41 |
| 70 | 3.57 | -3.43 |
| 73 | 4.05 | -3.88 |
| 76 | 3.04 | -3.06 |
| 79 | 2.49 | -2.07 |
| 82 | 1.14 | -1.28 |
| 85 | 4.78 | -4.83 |
| 88 | 5.79 | -5.73 |
| 91 | 5.33 | -5.29 |
| 94 | 5.41 | -5.33 |
| 97 | 6.02 | -6.03 |
| 100 | 5.27 | -5.35 |
| 103 | 1.15 | -1.30 |
| 106 | 1.80 | -1.60 |
| 109 | 4.20 | -4.15 |
| 112 | 3.69 | -3.72 |
| 115 | 1.36 | -1.39 |
| 118 | 4.64 | -4.66 |
| 121 | 6.34 | -6.33 |
| 124 | 4.61 | -4.69 |
| 127 | 1.59 | -1.27 |
| 130 | 4.06 | -4.64 |
| 133 | 5.97 | -6.74 |
| 136 | 4.52 | -5.02 |
| 139 | 1.15 | -0.80 |
| 142 | 4.79 | -5.25 |
| 145 | 5.34 | -5.90 |
| 150 | 1.67 | -1.47 |
| 153 | 7.00 | -7.15 |
| 154 | 4.04 | -4.26 |
| 157 | 4.95 | -5.31 |
| 160 | 2.97 | -3.15 |
| 163 | 1.50 | -0.92 |
| 166 | 2.76 | -2.98 |
| 169 | 4.80 | -5.12 |
| 172 | 4.75 | -5.23 |
| 175 | 2.67 | -3.09 |
| 178 | 0.67 | -0.29 |

C256 - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 181 | 2.67 | -2.98 |
| 184 | 4.69 | -5.28 |
| 187 | 4.57 | -5.35 |
| 190 | 2.51 | -2.99 |
| 193 | 0.70 | -0.24 |
| 196 | 2.48 | -3.00 |
| 199 | 4.74 | -5.31 |
| 202 | 4.68 | -5.29 |
| 205 | 2.84 | -3.22 |
| 208 | 0.88 | -0.75 |
| 211 | 2.98 | -3.23 |
| 214 | 4.70 | -5.12 |
| 217 | 3.12 | -3.51 |
| 220 | 2.16 | -2.29 |

Girder 1 Service Bracing Moment - k-ft

| | Max
LL+I
Mom
Perm Trk | Min
LL+I
Mom
Perm Trk |
|----|--------------------------------|--------------------------------|
| 1 | 9.99 | -9.87 |
| 3 | 6.13 | -6.14 |
| 2 | 1.60 | -1.84 |
| 4 | 6.81 | -6.81 |
| 5 | 5.75 | -6.27 |
| 8 | 19.48 | -19.26 |
| 10 | 7.28 | -7.16 |
| 11 | 23.64 | -23.62 |
| 13 | 6.79 | -7.08 |
| 14 | 35.10 | -34.83 |
| 16 | 7.33 | -7.37 |
| 17 | 24.00 | -24.15 |
| 19 | 0.16 | -0.31 |
| 20 | 0.14 | -0.08 |
| 22 | 0.23 | -0.20 |
| 23 | 19.81 | -19.79 |
| 25 | 5.66 | -6.75 |
| 26 | 30.09 | -30.11 |
| 28 | 4.77 | -4.69 |
| 29 | 31.84 | -31.61 |
| 31 | 5.02 | -4.63 |
| 32 | 29.65 | -29.42 |
| 34 | 5.98 | -6.93 |
| 35 | 25.01 | -25.05 |
| 37 | 0.33 | -0.35 |
| 38 | 15.21 | -15.18 |
| 40 | 0.31 | -0.07 |
| 41 | 0.02 | -0.08 |
| 43 | 0.29 | -0.39 |

| | C256 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 44 | 8.21 | -8.16 |
| 46 | 4.42 | -5.15 |
| 47 | 10.03 | -10.17 |
| 49 | 3.68 | -2.74 |
| 50 | 78.48 | -78.07 |
| 52 | 4.39 | -3.39 |
| 53 | 46.54 | -46.47 |
| 55 | 3.55 | -3.16 |
| 56 | 49.85 | -49.64 |
| 58 | 5.45 | -5.90 |
| 59 | 70.89 | -70.70 |
| 61 | 0.15 | -0.15 |
| 62 | 5.34 | -5.32 |
| 64 | 0.18 | -0.18 |
| 65 | 0.08 | -0.07 |
| 67 | 6.67 | -6.80 |
| 68 | 12.73 | -12.78 |
| 70 | 5.75 | -5.57 |
| 71 | 26.41 | -26.20 |
| 73 | 6.93 | -6.89 |
| 74 | 29.73 | -29.09 |
| 76 | 3.98 | -3.97 |
| 77 | 23.67 | -23.55 |
| 79 | 8.49 | -9.31 |
| 80 | 15.75 | -15.86 |
| 82 | 7.06 | -6.74 |
| 83 | 3.09 | -4.03 |
| 85 | 3.59 | -4.15 |
| 86 | 39.46 | -39.72 |
| 88 | 5.50 | -5.58 |
| 89 | 48.03 | -47.66 |
| 91 | 5.56 | -5.64 |
| 92 | 44.56 | -44.79 |
| 94 | 6.04 | -5.61 |
| 95 | 45.43 | -44.85 |
| 97 | 5.60 | -5.68 |
| 98 | 49.99 | -50.01 |
| 100 | 3.80 | -4.11 |
| 101 | 43.65 | -43.58 |
| 103 | 7.53 | -6.71 |
| 104 | 3.21 | -3.72 |
| 106 | 9.64 | -8.90 |
| 107 | 9.15 | -9.00 |
| 109 | 7.19 | -7.47 |
| 110 | 29.98 | -29.79 |

C256 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 112 | 4.03 | -5.31 |
| 113 | 28.93 | -28.81 |
| 115 | 7.87 | -7.65 |
| 116 | 4.15 | -4.20 |
| 118 | 6.96 | -7.40 |
| 119 | 34.57 | -34.80 |
| 121 | 14.84 | -14.72 |
| 122 | 44.86 | -44.97 |
| 124 | 7.42 | -6.85 |
| 125 | 34.12 | -34.75 |
| 127 | 7.18 | -8.79 |
| 128 | 4.94 | -3.83 |
| 130 | 9.82 | -6.41 |
| 131 | 33.09 | -35.32 |
| 133 | 17.29 | -13.38 |
| 134 | 42.89 | -45.83 |
| 136 | 10.61 | -7.91 |
| 137 | 32.90 | -35.30 |
| 139 | 5.12 | -6.95 |
| 140 | 3.32 | -2.03 |
| 142 | 11.17 | -9.18 |
| 143 | 34.37 | -36.19 |
| 145 | 15.88 | -13.03 |
| 146 | 36.61 | -38.38 |
| 150 | 8.37 | -8.88 |
| 149 | 5.68 | -4.41 |
| 153 | 10.88 | -10.40 |
| 152 | 61.52 | -61.50 |
| 154 | 9.91 | -7.92 |
| 155 | 28.90 | -29.45 |
| 157 | 14.10 | -11.65 |
| 158 | 34.56 | -35.42 |
| 160 | 6.72 | -5.14 |
| 161 | 22.40 | -22.82 |
| 163 | 5.32 | -7.85 |
| 164 | 5.24 | -2.76 |
| 166 | 7.92 | -7.33 |
| 167 | 24.03 | -23.78 |
| 169 | 11.61 | -8.76 |
| 170 | 35.76 | -35.98 |
| 172 | 12.29 | -9.09 |
| 173 | 35.42 | -36.60 |
| 175 | 8.11 | -5.92 |
| 176 | 23.15 | -24.12 |

| | C256 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 178 | 0.60 | -2.22 |
| 179 | 3.96 | -1.93 |
| 181 | 7.49 | -6.89 |
| 182 | 23.40 | -23.92 |
| 184 | 11.56 | -8.84 |
| 185 | 34.83 | -37.23 |
| 187 | 12.03 | -8.54 |
| 188 | 34.29 | -37.44 |
| 190 | 7.75 | -6.63 |
| 191 | 22.03 | -23.86 |
| 193 | 0.80 | -2.81 |
| 194 | 3.43 | -1.35 |
| 196 | 9.02 | -7.54 |
| 197 | 21.49 | -23.84 |
| 199 | 12.53 | -10.47 |
| 200 | 34.12 | -37.01 |
| 202 | 12.78 | -10.77 |
| 203 | 33.37 | -36.49 |
| 205 | 7.02 | -4.86 |
| 206 | 21.69 | -23.59 |
| 208 | 3.66 | -4.88 |
| 209 | 3.32 | -2.95 |
| 211 | 5.87 | -5.56 |
| 212 | 22.13 | -23.10 |
| 214 | 13.79 | -11.64 |
| 215 | 31.73 | -33.45 |
| 217 | 8.93 | -7.44 |
| 218 | 21.74 | -23.22 |
| 220 | 12.27 | -11.46 |
| 221 | 7.20 | -7.57 |

Girder 2 Service Bracing Shear - k

| | Max
LL+I
Shr
Perm Trk | Min
LL+I
Shr
Perm Trk |
|----|--------------------------------|--------------------------------|
| 3 | 1.86 | -1.85 |
| 4 | 0.81 | -0.84 |
| 8 | 2.76 | -2.78 |
| 11 | 3.30 | -3.37 |
| 14 | 4.54 | -4.58 |
| 17 | 2.62 | -2.47 |
| 20 | 0.04 | -0.01 |
| 23 | 2.30 | -2.31 |
| 26 | 3.68 | -3.67 |
| 29 | 3.95 | -4.01 |
| 32 | 3.71 | -3.73 |
| 35 | 3.02 | -3.07 |
| 38 | 1.77 | -1.78 |

C256 - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 41 | 0.03 | -0.01 |
| 44 | 0.96 | -0.95 |
| 47 | 1.50 | -1.62 |
| 50 | 9.12 | -9.09 |
| 53 | 5.32 | -5.44 |
| 56 | 5.78 | -5.80 |
| 59 | 8.38 | -8.35 |
| 62 | 0.63 | -0.61 |
| 65 | 0.03 | -0.02 |
| 68 | 1.41 | -1.69 |
| 71 | 3.43 | -3.57 |
| 74 | 3.90 | -4.05 |
| 77 | 3.03 | -3.03 |
| 80 | 2.08 | -2.49 |
| 83 | 1.26 | -1.22 |
| 86 | 4.80 | -4.80 |
| 89 | 5.71 | -5.75 |
| 92 | 5.35 | -5.35 |
| 95 | 5.33 | -5.39 |
| 98 | 6.05 | -6.03 |
| 101 | 5.35 | -5.26 |
| 104 | 1.31 | -1.16 |
| 107 | 1.61 | -1.80 |
| 110 | 4.18 | -4.20 |
| 113 | 3.69 | -3.67 |
| 116 | 1.38 | -1.38 |
| 119 | 4.66 | -4.62 |
| 122 | 6.34 | -6.45 |
| 125 | 4.68 | -4.62 |
| 128 | 1.60 | -1.36 |
| 131 | 4.01 | -4.13 |
| 134 | 5.83 | -6.53 |
| 137 | 4.42 | -4.63 |
| 140 | 1.03 | -0.73 |
| 143 | 5.02 | -5.27 |
| 146 | 5.09 | -5.77 |
| 149 | 2.58 | -2.29 |
| 152 | 7.12 | -7.20 |
| 155 | 3.89 | -4.27 |
| 158 | 4.67 | -5.27 |
| 161 | 2.71 | -2.94 |
| 164 | 0.79 | -0.49 |
| 167 | 3.04 | -3.14 |
| 170 | 4.58 | -5.33 |
| 173 | 4.59 | -5.37 |
| 176 | 2.98 | -3.09 |
| 179 | 0.82 | -0.52 |
| 182 | 2.98 | -2.98 |
| 185 | 4.77 | -5.19 |
| 188 | 4.78 | -5.16 |
| 191 | 2.87 | -2.82 |
| 194 | 1.85 | -1.12 |
| 197 | 2.49 | -2.76 |
| 200 | 4.69 | -4.88 |
| 203 | 4.65 | -4.83 |
| 206 | 2.40 | -2.57 |
| 209 | 1.34 | -0.71 |
| 212 | 2.91 | -2.84 |
| 215 | 4.65 | -4.95 |
| 218 | 3.04 | -3.44 |
| 221 | 2.47 | -2.71 |

Girder 2 Service Bracing Moment - k-ft

Max Min

C256 - Bracing Service Loads.txt
 LL+I LL+I
 Mom Mom
 Perm Trk Perm Trk

| | | |
|----|-------|--------|
| 3 | 6.14 | -6.14 |
| 6 | 9.99 | -9.87 |
| 4 | 6.84 | -6.79 |
| 7 | 1.56 | -1.87 |
| 8 | 19.39 | -19.35 |
| 9 | 6.02 | -6.24 |
| 11 | 23.78 | -23.53 |
| 12 | 7.17 | -7.22 |
| 14 | 35.02 | -34.88 |
| 15 | 6.89 | -7.07 |
| 17 | 23.99 | -24.16 |
| 18 | 7.29 | -7.31 |
| 20 | 0.05 | -0.14 |
| 21 | 0.22 | -0.04 |
| 23 | 19.81 | -19.75 |
| 24 | 0.24 | -0.25 |
| 26 | 30.20 | -30.06 |
| 27 | 5.65 | -6.79 |
| 29 | 31.84 | -31.61 |
| 30 | 4.78 | -4.69 |
| 32 | 29.49 | -29.48 |
| 33 | 5.04 | -4.58 |
| 35 | 25.10 | -25.01 |
| 36 | 5.96 | -6.94 |
| 38 | 15.22 | -15.16 |
| 39 | 0.33 | -0.35 |
| 41 | 0.05 | -0.15 |
| 42 | 0.10 | -0.05 |
| 44 | 8.22 | -8.23 |
| 45 | 0.19 | -0.14 |
| 47 | 10.04 | -10.17 |
| 48 | 4.33 | -4.98 |
| 50 | 78.39 | -78.30 |
| 51 | 3.79 | -2.75 |
| 53 | 46.70 | -46.13 |
| 54 | 3.83 | -3.39 |
| 56 | 49.86 | -49.65 |
| 57 | 3.99 | -3.16 |
| 59 | 70.81 | -70.76 |
| 60 | 5.45 | -5.85 |
| 62 | 5.35 | -5.41 |
| 63 | 0.21 | -0.15 |

C256 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 65 | 0.07 | -0.08 |
| 66 | 0.17 | -0.13 |
| 68 | 12.72 | -12.79 |
| 69 | 6.70 | -6.75 |
| 71 | 26.41 | -26.19 |
| 72 | 5.74 | -5.57 |
| 74 | 29.72 | -29.12 |
| 75 | 7.09 | -6.92 |
| 77 | 23.54 | -23.58 |
| 78 | 3.74 | -3.95 |
| 80 | 15.78 | -15.89 |
| 81 | 8.49 | -9.36 |
| 83 | 3.84 | -3.89 |
| 84 | 7.04 | -6.75 |
| 86 | 39.67 | -39.62 |
| 87 | 3.60 | -4.41 |
| 89 | 47.75 | -47.92 |
| 90 | 4.90 | -5.50 |
| 92 | 44.85 | -44.45 |
| 93 | 6.78 | -5.67 |
| 95 | 45.19 | -45.24 |
| 96 | 5.39 | -5.55 |
| 98 | 50.11 | -49.87 |
| 99 | 6.08 | -5.71 |
| 101 | 43.59 | -43.58 |
| 102 | 3.76 | -4.06 |
| 104 | 3.33 | -3.74 |
| 105 | 7.65 | -6.68 |
| 107 | 9.20 | -8.99 |
| 108 | 9.65 | -8.86 |
| 110 | 30.00 | -29.83 |
| 111 | 7.46 | -7.49 |
| 113 | 28.90 | -28.77 |
| 114 | 3.77 | -5.17 |
| 116 | 4.16 | -4.24 |
| 117 | 7.72 | -7.78 |
| 119 | 34.44 | -34.77 |
| 120 | 7.02 | -7.41 |
| 122 | 45.26 | -44.91 |
| 123 | 14.79 | -14.92 |
| 125 | 34.16 | -34.75 |
| 126 | 7.37 | -6.97 |
| 128 | 4.03 | -4.91 |
| 129 | 8.89 | -7.70 |
| 131 | 34.34 | -34.24 |

| | C256 - Bracing Service Loads.txt | |
|-----|----------------------------------|--------|
| 132 | 8.59 | -11.80 |
| 134 | 46.18 | -44.36 |
| 135 | 10.01 | -13.95 |
| 137 | 34.24 | -34.18 |
| 138 | 5.21 | -9.83 |
| 140 | 2.82 | -3.89 |
| 141 | 5.58 | -3.57 |
| 143 | 36.54 | -36.08 |
| 144 | 10.05 | -11.34 |
| 146 | 38.43 | -36.02 |
| 147 | 11.27 | -14.88 |
| 149 | 6.86 | -7.35 |
| 148 | 15.15 | -13.52 |
| 152 | 61.56 | -60.80 |
| 151 | 11.40 | -12.02 |
| 155 | 30.52 | -29.41 |
| 156 | 5.70 | -8.00 |
| 158 | 36.80 | -34.48 |
| 159 | 9.01 | -11.56 |
| 161 | 23.36 | -22.05 |
| 162 | 3.97 | -7.14 |
| 164 | 2.46 | -3.41 |
| 165 | 3.97 | -2.06 |
| 167 | 24.69 | -23.72 |
| 168 | 5.86 | -7.94 |
| 170 | 37.75 | -34.66 |
| 171 | 8.13 | -11.62 |
| 173 | 37.84 | -34.78 |
| 174 | 8.36 | -12.10 |
| 176 | 24.01 | -23.79 |
| 177 | 5.78 | -8.81 |
| 179 | 3.09 | -4.06 |
| 180 | 3.70 | -1.73 |
| 182 | 24.01 | -23.81 |
| 183 | 5.38 | -7.57 |
| 185 | 36.86 | -35.93 |
| 186 | 8.66 | -11.29 |
| 188 | 36.61 | -36.04 |
| 189 | 8.53 | -11.35 |
| 191 | 23.30 | -23.69 |
| 192 | 5.61 | -8.04 |
| 194 | 4.20 | -5.76 |
| 195 | 10.27 | -5.86 |
| 197 | 22.38 | -23.18 |
| 198 | 7.55 | -9.34 |

C256 - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 200 | 36.08 | -36.80 |
| 201 | 5.97 | -8.12 |
| 203 | 35.73 | -36.27 |
| 204 | 5.99 | -8.21 |
| 206 | 22.36 | -22.62 |
| 207 | 7.59 | -9.62 |
| 209 | 1.85 | -3.12 |
| 210 | 8.51 | -4.96 |
| 212 | 22.91 | -23.49 |
| 213 | 2.78 | -4.83 |
| 215 | 33.83 | -33.42 |
| 216 | 9.22 | -10.93 |
| 218 | 23.91 | -22.84 |
| 219 | 4.84 | -7.33 |
| 221 | 8.70 | -8.02 |
| 222 | 13.36 | -14.77 |

CPM200j

Bracing Loads

CPM 200j - Bracing Service Loads.txt

Girder 1 Service Bracing Shear - k

| | Max
LL+I
Shr
Perm Trk | Min
LL+I
Shr
Perm Trk |
|-----|--------------------------------|--------------------------------|
| 1 | 1.82 | -1.83 |
| 2 | 0.75 | -0.72 |
| 5 | 2.66 | -2.58 |
| 10 | 3.16 | -3.11 |
| 13 | 4.33 | -4.27 |
| 16 | 2.26 | -2.41 |
| 19 | 0.05 | -0.02 |
| 22 | 2.16 | -2.17 |
| 25 | 3.35 | -3.42 |
| 28 | 3.81 | -3.76 |
| 31 | 3.56 | -3.51 |
| 34 | 2.75 | -2.73 |
| 37 | 1.62 | -1.61 |
| 40 | 0.01 | -0.04 |
| 43 | 0.85 | -0.83 |
| 46 | 1.40 | -1.37 |
| 49 | 8.11 | -8.09 |
| 52 | 4.75 | -4.75 |
| 55 | 5.10 | -5.04 |
| 58 | 7.35 | -7.35 |
| 61 | 0.56 | -0.56 |
| 64 | 0.03 | -0.03 |
| 67 | 1.51 | -1.38 |
| 70 | 3.40 | -3.23 |
| 73 | 3.70 | -3.52 |
| 76 | 2.80 | -2.82 |
| 79 | 2.05 | -1.84 |
| 82 | 1.16 | -1.30 |
| 85 | 4.52 | -4.57 |
| 88 | 5.51 | -5.46 |
| 91 | 5.26 | -5.23 |
| 94 | 5.33 | -5.24 |
| 97 | 5.68 | -5.68 |
| 100 | 4.89 | -4.95 |
| 103 | 1.15 | -1.28 |
| 106 | 1.37 | -1.43 |
| 109 | 3.54 | -3.51 |
| 112 | 3.30 | -3.32 |
| 115 | 1.32 | -1.34 |
| 118 | 4.24 | -4.27 |
| 121 | 6.03 | -6.01 |
| 124 | 4.27 | -4.38 |
| 127 | 1.56 | -1.25 |
| 130 | 3.78 | -4.26 |
| 133 | 5.75 | -6.48 |
| 136 | 4.22 | -4.66 |
| 139 | 1.14 | -0.79 |
| 142 | 4.42 | -4.75 |
| 145 | 4.78 | -5.27 |
| 150 | 1.55 | -1.38 |
| 153 | 5.92 | -6.36 |
| 154 | 3.59 | -3.74 |
| 157 | 4.50 | -4.79 |
| 160 | 2.70 | -2.81 |
| 163 | 1.44 | -0.88 |
| 166 | 2.46 | -2.62 |
| 169 | 4.46 | -4.75 |
| 172 | 4.44 | -4.90 |
| 175 | 2.43 | -2.75 |
| 178 | 0.67 | -0.29 |

| | CPM 200j - Bracing Service Loads.txt | |
|-----|--------------------------------------|-------|
| 181 | 2.45 | -2.59 |
| 184 | 4.38 | -4.91 |
| 187 | 4.26 | -5.00 |
| 190 | 2.29 | -2.64 |
| 193 | 0.70 | -0.24 |
| 196 | 2.17 | -2.70 |
| 199 | 4.42 | -4.95 |
| 202 | 4.36 | -4.94 |
| 205 | 2.57 | -2.92 |
| 208 | 0.87 | -0.73 |
| 211 | 2.72 | -2.86 |
| 214 | 4.26 | -4.63 |
| 217 | 2.83 | -3.17 |
| 220 | 2.04 | -2.16 |

Girder 1 Service Bracing Moment - k-ft

| | Max
LL+I
Mom
Perm Trk | Min
LL+I
Mom
Perm Trk |
|----|--------------------------------|--------------------------------|
| 1 | 9.81 | -9.69 |
| 3 | 6.04 | -6.04 |
| 2 | 1.40 | -1.51 |
| 4 | 6.36 | -6.38 |
| 5 | 5.32 | -5.56 |
| 8 | 18.65 | -18.45 |
| 10 | 6.82 | -6.74 |
| 11 | 22.32 | -22.31 |
| 13 | 6.29 | -6.46 |
| 14 | 33.45 | -33.22 |
| 16 | 7.10 | -7.10 |
| 17 | 22.89 | -22.82 |
| 19 | 0.15 | -0.31 |
| 20 | 0.14 | -0.08 |
| 22 | 0.23 | -0.19 |
| 23 | 18.62 | -18.64 |
| 25 | 5.43 | -6.07 |
| 26 | 28.45 | -28.44 |
| 28 | 4.29 | -4.32 |
| 29 | 30.62 | -30.40 |
| 31 | 4.57 | -4.31 |
| 32 | 28.54 | -28.38 |
| 34 | 5.78 | -6.10 |
| 35 | 23.28 | -23.34 |
| 37 | 0.30 | -0.34 |
| 38 | 13.80 | -13.78 |
| 40 | 0.31 | -0.07 |
| 41 | 0.02 | -0.08 |
| 43 | 0.26 | -0.38 |

CPM 200j - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 44 | 7.09 | -7.03 |
| 46 | 4.36 | -4.67 |
| 47 | 8.68 | -9.03 |
| 49 | 3.29 | -2.64 |
| 50 | 70.06 | -69.71 |
| 52 | 3.81 | -3.11 |
| 53 | 41.30 | -41.23 |
| 55 | 3.12 | -2.83 |
| 56 | 44.03 | -43.84 |
| 58 | 5.31 | -5.64 |
| 59 | 62.62 | -62.50 |
| 61 | 0.14 | -0.14 |
| 62 | 4.75 | -4.73 |
| 64 | 0.18 | -0.18 |
| 65 | 0.08 | -0.07 |
| 67 | 6.34 | -6.45 |
| 68 | 11.68 | -11.63 |
| 70 | 5.21 | -5.08 |
| 71 | 25.24 | -24.89 |
| 73 | 6.10 | -6.12 |
| 74 | 27.46 | -26.91 |
| 76 | 3.41 | -3.23 |
| 77 | 22.19 | -22.08 |
| 79 | 8.10 | -8.39 |
| 80 | 13.20 | -13.96 |
| 82 | 7.13 | -6.87 |
| 83 | 3.15 | -4.09 |
| 85 | 3.40 | -3.85 |
| 86 | 37.41 | -37.66 |
| 88 | 5.32 | -5.40 |
| 89 | 45.93 | -45.56 |
| 91 | 5.44 | -5.58 |
| 92 | 44.11 | -44.36 |
| 94 | 5.86 | -5.57 |
| 95 | 44.81 | -44.19 |
| 97 | 5.36 | -5.37 |
| 98 | 47.35 | -47.37 |
| 100 | 3.45 | -3.88 |
| 101 | 40.36 | -40.46 |
| 103 | 7.41 | -6.70 |
| 104 | 3.23 | -3.67 |
| 106 | 8.79 | -8.00 |
| 107 | 6.63 | -7.56 |
| 109 | 5.78 | -5.90 |
| 110 | 25.83 | -25.71 |

CPM 200j - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 112 | 3.73 | -4.73 |
| 113 | 26.21 | -26.13 |
| 115 | 7.53 | -7.38 |
| 116 | 4.00 | -4.03 |
| 118 | 5.41 | -5.84 |
| 119 | 31.99 | -32.34 |
| 121 | 13.88 | -13.79 |
| 122 | 43.01 | -43.21 |
| 124 | 5.94 | -5.79 |
| 125 | 32.27 | -33.07 |
| 127 | 7.04 | -8.64 |
| 128 | 4.86 | -3.78 |
| 130 | 8.04 | -5.80 |
| 131 | 31.47 | -33.46 |
| 133 | 16.31 | -12.60 |
| 134 | 41.82 | -44.71 |
| 136 | 9.01 | -6.92 |
| 137 | 31.21 | -33.48 |
| 139 | 5.02 | -6.89 |
| 140 | 3.30 | -1.95 |
| 142 | 9.90 | -8.26 |
| 143 | 31.91 | -33.20 |
| 145 | 14.11 | -11.33 |
| 146 | 33.13 | -34.63 |
| 150 | 7.91 | -8.26 |
| 149 | 5.23 | -4.16 |
| 153 | 9.94 | -9.53 |
| 152 | 54.27 | -54.70 |
| 154 | 8.34 | -6.53 |
| 155 | 26.33 | -26.62 |
| 157 | 12.69 | -10.63 |
| 158 | 31.63 | -32.16 |
| 160 | 5.18 | -4.57 |
| 161 | 21.25 | -21.09 |
| 163 | 5.06 | -7.55 |
| 164 | 4.98 | -2.65 |
| 166 | 7.59 | -6.91 |
| 167 | 22.26 | -22.07 |
| 169 | 10.25 | -7.85 |
| 170 | 33.76 | -33.92 |
| 172 | 11.10 | -8.14 |
| 173 | 33.55 | -34.80 |
| 175 | 7.37 | -5.42 |
| 176 | 21.86 | -22.79 |

CPM 200j - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 178 | 0.59 | -2.21 |
| 179 | 3.97 | -1.92 |
| 181 | 7.15 | -6.43 |
| 182 | 21.98 | -22.27 |
| 184 | 10.50 | -8.09 |
| 185 | 33.14 | -35.19 |
| 187 | 10.91 | -7.70 |
| 188 | 32.64 | -35.46 |
| 190 | 7.49 | -6.17 |
| 191 | 20.98 | -22.43 |
| 193 | 0.80 | -2.82 |
| 194 | 3.38 | -1.33 |
| 196 | 8.49 | -6.96 |
| 197 | 20.06 | -22.28 |
| 199 | 11.50 | -9.65 |
| 200 | 32.34 | -34.96 |
| 202 | 11.70 | -9.71 |
| 203 | 31.75 | -34.61 |
| 205 | 5.52 | -4.16 |
| 206 | 20.54 | -22.24 |
| 208 | 3.52 | -4.79 |
| 209 | 3.27 | -2.89 |
| 211 | 4.68 | -5.01 |
| 212 | 20.18 | -21.09 |
| 214 | 12.40 | -10.61 |
| 215 | 29.05 | -30.57 |
| 217 | 7.97 | -6.25 |
| 218 | 19.98 | -21.35 |
| 220 | 11.56 | -10.81 |
| 221 | 6.81 | -7.12 |

Girder 2 Service Bracing Shear - k

| | Max | Min |
|----|----------|----------|
| | LL+I | LL+I |
| | Shr | Shr |
| | Perm Trk | Perm Trk |
| 3 | 1.83 | -1.82 |
| 4 | 0.71 | -0.75 |
| 8 | 2.61 | -2.65 |
| 11 | 3.09 | -3.18 |
| 14 | 4.29 | -4.32 |
| 17 | 2.41 | -2.25 |
| 20 | 0.04 | -0.01 |
| 23 | 2.16 | -2.17 |
| 26 | 3.41 | -3.37 |
| 29 | 3.76 | -3.81 |
| 32 | 3.52 | -3.54 |
| 35 | 2.72 | -2.76 |
| 38 | 1.60 | -1.62 |

CPM 200j - Bracing Service Loads.txt

| | | |
|-----|------|-------|
| 41 | 0.03 | -0.01 |
| 44 | 0.83 | -0.81 |
| 47 | 1.36 | -1.37 |
| 50 | 8.11 | -8.10 |
| 53 | 4.67 | -4.78 |
| 56 | 5.07 | -5.09 |
| 59 | 7.35 | -7.34 |
| 62 | 0.56 | -0.54 |
| 65 | 0.03 | -0.02 |
| 68 | 1.38 | -1.50 |
| 71 | 3.23 | -3.40 |
| 74 | 3.53 | -3.70 |
| 77 | 2.80 | -2.79 |
| 80 | 1.84 | -2.06 |
| 83 | 1.28 | -1.24 |
| 86 | 4.55 | -4.55 |
| 89 | 5.45 | -5.48 |
| 92 | 5.27 | -5.27 |
| 95 | 5.24 | -5.30 |
| 98 | 5.70 | -5.69 |
| 101 | 4.95 | -4.88 |
| 104 | 1.29 | -1.15 |
| 107 | 1.44 | -1.37 |
| 110 | 3.54 | -3.54 |
| 113 | 3.29 | -3.28 |
| 116 | 1.32 | -1.33 |
| 119 | 4.27 | -4.22 |
| 122 | 6.02 | -6.14 |
| 125 | 4.38 | -4.29 |
| 128 | 1.57 | -1.32 |
| 131 | 3.66 | -3.79 |
| 134 | 5.62 | -6.28 |
| 137 | 4.12 | -4.26 |
| 140 | 0.93 | -0.65 |
| 143 | 4.66 | -4.78 |
| 146 | 4.54 | -5.18 |
| 149 | 2.39 | -2.13 |
| 152 | 6.31 | -6.14 |
| 155 | 3.45 | -3.76 |
| 158 | 4.24 | -4.79 |
| 161 | 2.44 | -2.62 |
| 164 | 0.72 | -0.45 |
| 167 | 2.74 | -2.73 |
| 170 | 4.27 | -4.94 |
| 173 | 4.28 | -5.01 |
| 176 | 2.78 | -2.73 |
| 179 | 0.81 | -0.50 |
| 182 | 2.69 | -2.66 |
| 185 | 4.47 | -4.84 |
| 188 | 4.48 | -4.81 |
| 191 | 2.62 | -2.53 |
| 194 | 1.82 | -1.11 |
| 197 | 2.34 | -2.40 |
| 200 | 4.37 | -4.53 |
| 203 | 4.34 | -4.47 |
| 206 | 2.22 | -2.28 |
| 209 | 1.28 | -0.68 |
| 212 | 2.61 | -2.53 |
| 215 | 4.22 | -4.49 |
| 218 | 2.75 | -3.11 |
| 221 | 2.34 | -2.56 |

Girder 2 Service Bracing Moment - k-ft

Max Min

CPM 200j - Bracing Service Loads.txt

LL+I LL+I
Mom Mom
Perm Trk Perm Trk

| | | |
|----|-------|--------|
| 3 | 6.04 | -6.04 |
| 6 | 9.81 | -9.70 |
| 4 | 6.39 | -6.36 |
| 7 | 1.39 | -1.53 |
| 8 | 18.59 | -18.53 |
| 9 | 5.55 | -5.54 |
| 11 | 22.44 | -22.23 |
| 12 | 6.72 | -6.79 |
| 14 | 33.40 | -33.27 |
| 15 | 6.38 | -6.45 |
| 17 | 22.88 | -22.83 |
| 18 | 7.05 | -7.04 |
| 20 | 0.05 | -0.13 |
| 21 | 0.22 | -0.04 |
| 23 | 18.65 | -18.59 |
| 24 | 0.24 | -0.24 |
| 26 | 28.52 | -28.39 |
| 27 | 5.43 | -6.11 |
| 29 | 30.62 | -30.40 |
| 30 | 4.30 | -4.31 |
| 32 | 28.40 | -28.44 |
| 33 | 4.59 | -4.26 |
| 35 | 23.33 | -23.29 |
| 36 | 5.76 | -6.11 |
| 38 | 13.84 | -13.75 |
| 39 | 0.30 | -0.34 |
| 41 | 0.05 | -0.15 |
| 42 | 0.10 | -0.05 |
| 44 | 7.08 | -7.10 |
| 45 | 0.19 | -0.13 |
| 47 | 8.69 | -9.02 |
| 48 | 4.26 | -4.52 |
| 50 | 70.01 | -69.92 |
| 51 | 3.39 | -2.67 |
| 53 | 41.41 | -40.91 |
| 54 | 3.31 | -3.00 |
| 56 | 44.04 | -43.85 |
| 57 | 3.52 | -2.88 |
| 59 | 62.57 | -62.57 |
| 60 | 5.31 | -5.60 |
| 62 | 4.74 | -4.83 |
| 63 | 0.21 | -0.12 |

CPM 200j - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 65 | 0.07 | -0.08 |
| 66 | 0.17 | -0.13 |
| 68 | 11.68 | -11.63 |
| 69 | 6.38 | -6.40 |
| 71 | 25.23 | -24.89 |
| 72 | 5.20 | -5.08 |
| 74 | 27.44 | -26.93 |
| 75 | 6.23 | -6.15 |
| 77 | 22.08 | -22.11 |
| 78 | 3.18 | -3.21 |
| 80 | 13.21 | -13.98 |
| 81 | 8.10 | -8.44 |
| 83 | 3.84 | -3.94 |
| 84 | 7.12 | -6.89 |
| 86 | 37.60 | -37.54 |
| 87 | 3.46 | -4.11 |
| 89 | 45.68 | -45.84 |
| 90 | 4.74 | -5.33 |
| 92 | 44.37 | -44.01 |
| 93 | 6.61 | -5.61 |
| 95 | 44.56 | -44.58 |
| 96 | 5.23 | -5.52 |
| 98 | 47.46 | -47.22 |
| 99 | 5.82 | -5.39 |
| 101 | 40.29 | -40.48 |
| 102 | 3.42 | -3.83 |
| 104 | 3.33 | -3.69 |
| 105 | 7.51 | -6.67 |
| 107 | 6.63 | -7.56 |
| 108 | 8.80 | -7.96 |
| 110 | 25.85 | -25.74 |
| 111 | 5.97 | -5.93 |
| 113 | 26.19 | -26.10 |
| 114 | 3.72 | -4.60 |
| 116 | 4.01 | -4.07 |
| 117 | 7.39 | -7.51 |
| 119 | 31.87 | -32.29 |
| 120 | 5.47 | -5.86 |
| 122 | 43.48 | -43.16 |
| 123 | 13.83 | -13.98 |
| 125 | 32.35 | -33.07 |
| 126 | 5.92 | -5.90 |
| 128 | 3.92 | -4.83 |
| 129 | 8.76 | -7.52 |
| 131 | 32.40 | -32.50 |

| | CPM 200j - Bracing Service Loads.txt | |
|-----|--------------------------------------|--------|
| 132 | 8.02 | -10.29 |
| 134 | 44.68 | -43.31 |
| 135 | 9.45 | -13.16 |
| 137 | 32.26 | -32.47 |
| 138 | 5.05 | -8.15 |
| 140 | 2.52 | -3.74 |
| 141 | 4.89 | -3.18 |
| 143 | 33.40 | -33.32 |
| 144 | 9.49 | -10.26 |
| 146 | 34.74 | -32.50 |
| 147 | 10.00 | -13.23 |
| 149 | 6.36 | -6.85 |
| 148 | 14.01 | -12.36 |
| 152 | 54.46 | -53.85 |
| 151 | 10.49 | -10.94 |
| 155 | 27.53 | -26.65 |
| 156 | 4.78 | -6.58 |
| 158 | 33.44 | -31.48 |
| 159 | 8.20 | -10.45 |
| 161 | 21.90 | -20.44 |
| 162 | 3.81 | -5.79 |
| 164 | 2.35 | -3.29 |
| 165 | 3.69 | -1.92 |
| 167 | 22.67 | -22.04 |
| 168 | 5.37 | -6.77 |
| 170 | 35.47 | -32.70 |
| 171 | 7.50 | -10.48 |
| 173 | 35.67 | -32.95 |
| 174 | 7.64 | -11.01 |
| 176 | 22.51 | -22.50 |
| 177 | 5.40 | -7.59 |
| 179 | 3.01 | -4.03 |
| 180 | 3.66 | -1.65 |
| 182 | 22.36 | -22.25 |
| 183 | 4.93 | -6.57 |
| 185 | 34.75 | -34.02 |
| 186 | 8.05 | -10.31 |
| 188 | 34.60 | -34.14 |
| 189 | 7.82 | -10.32 |
| 191 | 22.08 | -22.36 |
| 192 | 5.30 | -7.03 |
| 194 | 4.15 | -5.71 |
| 195 | 10.12 | -5.67 |
| 197 | 20.68 | -21.59 |
| 198 | 7.11 | -8.83 |

CPM 200j - Bracing Service Loads.txt

| | | |
|-----|-------|--------|
| 200 | 33.97 | -34.75 |
| 201 | 5.36 | -7.23 |
| 203 | 33.64 | -34.37 |
| 204 | 5.22 | -7.19 |
| 206 | 21.15 | -21.21 |
| 207 | 7.33 | -9.17 |
| 209 | 1.76 | -2.92 |
| 210 | 8.20 | -4.68 |
| 212 | 20.76 | -21.46 |
| 213 | 2.56 | -3.60 |
| 215 | 30.84 | -30.61 |
| 216 | 8.34 | -9.78 |
| 218 | 21.88 | -21.00 |
| 219 | 4.18 | -6.14 |
| 221 | 8.22 | -7.62 |
| 222 | 12.65 | -13.95 |