BEARING SCHEDULE
BRIDGE 2A - SERVICE LOADS

PIER	BEAM	BEARING TYPE	DEAD LOAD (KIPS)	SDL (KIPS)	MAX LL+I (KIPS)	MIN LL+I (KIPS)	MAXIMUM VERTICAL LOAD (KIPS)	MINIMUM VERTICAL LOAD (KIPS)	HORIZONTAL CAPACITY (KIPS)
1	1	FREE	51.01	15.76	60.22	-16.76	127	50	13
	2	FREE	56.20	16.39	70.58	-9.80	144	62	15
	3	GUIDED	56.95	16.69	71.31	-14.42	145	59	44
	4	FREE	55.33	17.04	70.79	-26.35	144	46	15
2	1	FREE	245.08	73.32	135.29	-28.94	454	289	46
	2	FREE	236.43	69.21	117.63	-11.16	424	294	43
	3	GUIDED	271.31	81.25	143.23	-22.31	496	330	149
	4	FREE	226.77	69.52	125.73	-19.40	423	276	43
3	1	FREE	299.66	86.69	156.73	-35.51	544	350	55
	2	FREE	275.75	78.36	126.99	-11.68	482	342	49
	3	GUIDED	325.26	94.49	158.81	-22.96	579	396	174
	4	FREE	255.76	75.82	134.74	-20.57	467	311	47
4	1	GUIDED	264.07	78.92	151.63	-40.00	495	302	149
	2	GUIDED	251.32	74.12	125.23	-13.33	451	312	136
	3	FIXED	297.71	88.66	154.37	-25.40	541	360	163
	4	GUIDED	246.32	74.24	135.61	-22.96	457	297	138
5	1	FREE	294.00	87.34	151.83	-26.69	534	354	54
	2	FREE	266.82	78.08	124.93	-8.33	470	336	47
	3	GUIDED	301.66	89.71	149.14	-18.38	541	372	163
	4	FREE	250.93	75.42	136.09	-23.61	463	302	47
6	1	FREE	78.64	24.04	65.54	-14.69	169	87	17
	2	FREE	79.47	23.63	66.99	-7.44	171	95	18
	3	GUIDED	80.05	23.69	67.28	-10.01	172	93	52
	4	FREE	74.09	22.63	68.93	-21.45	166	75	17

I-75 _575 NW CORRIDOR BRIDGE 2A
Girder System : Analysis Output : Reactions - Girder 1

GIRDER #1
= BEAM #4

Girder 1 Service Vertical Reactions - k

BRIDGE 2A

Supp/Node	Noncomp Dead	Super-Imposed Dead	Max Live+ Impact	Min Live+ Impact	Sidewalk Max	Sidewalk Min
Governing						
BENT 1 1 1	55.33	17.04	70.79	-26.35	0.00	0.00
Steel	14.19					
Concrete	41.14					

Global x concurrent LL+I rot. -0.0268 -0.0198 deg
Global y concurrent LL+I rot. 0.0616 -0.0210 deg

Max LL+I Contribution by Lane

1	2
56.93	13.86

Concurrent reactions using same governing loaded lanes as for Max LL+I

Concurrent at gdr 2 - 45.42

Concurrent at gdr 3 - 20.88

Concurrent at gdr 4 - 4.12

PIER 2 2 15	226.77	69.52	125.73	-19.40	0.00	0.00
Steel	58.79					
Concrete	167.98					

Global x concurrent LL+I rot. 0.0106 -0.0139 deg
Global y concurrent LL+I rot. 0.0369 -0.0267 deg

Max LL+I Contribution by Lane

1	2
102.35	23.39

Concurrent reactions using same governing loaded lanes as for Max LL+I

Concurrent at gdr 2 - 136.66

Concurrent at gdr 3 - 97.09

Concurrent at gdr 4 - 36.74

PIER 3 3 47	255.76	75.82	134.74	-20.57	0.00	0.00
Steel	73.99					
Concrete	181.77	LL	MAX BM #4			

Global x concurrent LL+I rot. 0.0041 -0.0034 deg
Global y concurrent LL+I rot. 0.0470 -0.0460 deg

Max LL+I Contribution by Lane

```
        1         2
    109.04     25.71
    LANE       LANE
```

@ BM #4

Concurrent reactions using same governing loaded lanes
as for Max LL+I

BM #

Concurrent at gdr 2 - 3 152.25

Concurrent at gdr 3 - 2 105.80

Concurrent at gdr 4 - 1 44.63

PIER 4

```
  4   87    246.32     74.24    135.61    -22.96    0.00     0.00
      Steel     66.97
      Concrete 179.35
```

```
Global x concurrent LL+I rot.   0.0102   -0.0095 deg
Global y concurrent LL+I rot.   0.0466   -0.0469 deg
```

Max LL+I Contribution by Lane

```
        1         2
    109.05     26.56
```

Concurrent reactions using same governing loaded lanes
as for Max LL+I

Concurrent at gdr 2 - 147.45

Concurrent at gdr 3 - 102.78

Concurrent at gdr 4 - 43.78

PIER 5

```
  5  127    250.93     75.42    136.09    -23.61    0.00     0.00
      Steel     66.33
      Concrete 184.60
```

```
Global x concurrent LL+I rot.   0.0172   -0.0196 deg
Global y concurrent LL+I rot.   0.0311   -0.0370 deg
```

Max LL+I Contribution by Lane

```
        1         2
    109.46     26.63
```

Concurrent reactions using same governing loaded lanes
as for Max LL+I

BM

Concurrent at gdr 2 - 3 141.52

Concurrent at gdr 3 - 2 98.98

Concurrent at gdr 4 - 1 43.03

PIER 6

```
  6  163     74.09     22.63     68.93    -21.45    0.00     0.00
      Steel     19.16
      Concrete  54.93
```

```
Global x concurrent LL+I rot.   0.0119   -0.0256 deg
Global y concurrent LL+I rot.   0.0204   -0.0438 deg
```

Max LL+I Contribution by Lane

```
        1         2
```

55.84 13.10

Concurrent reactions using same governing loaded lanes
as for Max LL+I

Concurrent at gdr 2 - 56.03

Concurrent at gdr 3 - 47.74

Concurrent at gdr 4 - 17.08

Truck Loading

1	1	70.79	-18.91
2	15	89.92	-11.33
3	47	88.92	-9.75
4	87	88.94	-10.54
5	127	92.22	-11.87
6	163	65.72	-12.53

Lane Loading

1	1	66.68	-24.92
2	15	125.73	-14.45
3	47	134.74	-14.67
4	87	135.61	-17.57
5	127	136.09	-14.97
6	163	68.93	-16.25

Fatigue Truck

1	1	42.46	-14.37
2	15	55.75	-8.64
3	47	55.61	-7.38
4	87	55.28	-8.03
5	127	55.47	-9.04
6	163	41.10	-9.53

Support Rotations - Degrees

About global axes used in Girder Geometry table

Supp/Node		Noncomp Dead x-axis	Noncomp Dead y-axis	Superimp Dead x-axis	Superimp Dead y-axis	LL+I+SDWK Range x-axis		LL+I+SDWK Range y-axis	
1	1	0.05	0.08	0.01	0.02	(-0.05 to	0.03)	(-0.06 to	0.09)
		Concurrent live vertical reaction				42.03	-9.90	-9.90	42.03
2	15	0.04	0.10	0.01	0.03	(-0.04 to	0.03)	(-0.07 to	0.10)
		Concurrent live vertical reaction				54.85	52.79	52.79	54.85
3	47	-0.01	-0.06	0.00	-0.01	(-0.01 to	0.01)	(-0.13 to	0.13)
		Concurrent live vertical reaction				45.32	50.05	50.05	45.32
4	87	-0.01	0.06	0.00	0.01	(-0.03 to	0.03)	(-0.13 to	0.13)
		Concurrent live vertical reaction				53.14	51.36	53.14	51.36
5	127	0.01	-0.03	0.00	-0.01	(-0.06 to	0.05)	(-0.10 to	0.09)
		Concurrent live vertical reaction				59.64	44.05	59.64	44.05
6	163	0.12	-0.21	0.03	-0.05	(-0.07 to	0.03)	(-0.12 to	0.06)
		Concurrent live vertical reaction				46.98	-6.48	46.98	-6.48

Torsional and flexural rotations - member local axes

Supp/Node	Noncomp Dead tors	Noncomp Dead flex	Superimp Dead tors	Superimp Dead flex	LL+I+SDWK Range tors	LL+I+SDWK Range flex

1	1	0.08	0.05	0.02	0.01	(-0.03 to 0.06)	(0.00 to 0.11)
2	15	0.04	0.10	0.01	0.03	(-0.04 to 0.03)	(-0.07 to 0.10)
3	47	-0.01	-0.06	0.00	-0.01	(-0.01 to 0.01)	(-0.13 to 0.13)
4	87	-0.01	0.06	0.00	0.01	(-0.03 to 0.03)	(-0.13 to 0.13)
5	127	0.01	-0.03	0.00	-0.01	(-0.06 to 0.05)	(-0.10 to 0.09)
6	163	0.21	-0.12	0.05	-0.03	(-0.08 to -0.01)	(-0.14 to -0.01)

I-75 _575 NW CORRIDOR BRIDGE 2A
Girder System : Analysis Output : Reactions - Girder 2 BEAM 3

Girder 2 Service Vertical Reactions - k

Supp/Node	Noncomp Dead	Super-Imposed Dead	Max Live+ Impact	Min Live+ Impact	Sidewalk Max	Sidewalk Min
Governing						
1 2	56.95	16.69	71.31	-14.42	0.00	0.00
Steel	15.76					
Concrete	41.19					

Global x concurrent LL+I rot. -0.0161 -0.0140 deg
Global y concurrent LL+I rot. 0.0314 -0.0138 deg

Max LL+I Contribution by Lane
1 2
39.35 31.96

Concurrent reactions using same governing loaded lanes as for Max LL+I

Concurrent at gdr 1 - 46.29

Concurrent at gdr 3 - 46.83

Concurrent at gdr 4 - 1.69

2 21	271.31	81.25	143.23	-22.31	0.00	0.00
Steel	70.36					
Concrete	200.95					

PIER

Global x concurrent LL+I rot. 0.0073 -0.0096 deg
Global y concurrent LL+I rot. 0.0249 -0.0186 deg

Max LL+I Contribution by Lane
1 2
83.33 59.90

Concurrent reactions using same governing loaded lanes as for Max LL+I

Concurrent at gdr 1 - 103.82

Concurrent at gdr 3 - 99.86

Concurrent at gdr 4 - 35.11

3 57	325.26	94.49	158.81	-22.96	0.00	0.00
Steel	92.82					
Concrete	232.44					

Global x concurrent LL+I rot. 0.0026 -0.0025 deg
Global y concurrent LL+I rot. 0.0318 -0.0312 deg

Max LL+I Contribution by Lane

LANE

1	2
93.19	65.62

Concurrent reactions using same governing loaded lanes
as for Max LL+I

BM#

Concurrent at gdr 1 - 4 111.76

Concurrent at gdr 3 - 2 108.50

Concurrent at gdr 4 - 1 42.55

4	97	297.71	88.66	154.37	-25.40	0.00	0.00
	Steel	80.91					
	Concrete	216.80					

Global x concurrent LL+I rot. 0.0067 -0.0067 deg
Global y concurrent LL+I rot. 0.0317 -0.0317 deg

Max LL+I Contribution by Lane

1	2
90.19	64.18

Concurrent reactions using same governing loaded lanes
as for Max LL+I

Concurrent at gdr 1 - 112.88

Concurrent at gdr 3 - 105.58

Concurrent at gdr 4 - 41.42

PIER

5	137	301.66	89.71	149.14	-18.38	0.00	0.00
	Steel	79.53					
	Concrete	222.12					

Global x concurrent LL+I rot. 0.0123 -0.0139 deg
Global y concurrent LL+I rot. 0.0225 -0.0257 deg

Max LL+I Contribution by Lane

1	2
86.87	62.27

Concurrent reactions using same governing loaded lanes
as for Max LL+I

Concurrent at gdr 1 - 114.17

Concurrent at gdr 3 - 102.85

Concurrent at gdr 4 - 41.78

6	171	80.05	23.69	67.28	-10.01	0.00	0.00
	Steel	21.79					
	Concrete	58.26					

Global x concurrent LL+I rot. -0.0218 -0.0189 deg
Global y concurrent LL+I rot. -0.0376 -0.0326 deg

Max LL+I Contribution by Lane

1	2

37.51 29.77

Concurrent reactions using same governing loaded lanes
as for Max LL+I

Concurrent at gdr 1 - 46.62

Concurrent at gdr 3 - 48.22

Concurrent at gdr 4 - 6.83

Truck Loading

1	2	71.31	-10.39
2	21	94.28	-16.64
3	57	93.82	-14.20
4	97	93.26	-14.03
5	137	93.64	-13.92
6	171	67.28	-7.23

Lane Loading

1	2	61.66	-13.94
2	21	143.23	-21.23
3	57	158.81	-21.82
4	97	154.37	-24.22
5	137	149.14	-17.53
6	171	64.60	-9.68

Fatigue Truck

1	2	28.13	-7.90
2	21	35.75	-12.69
3	57	35.37	-10.76
4	97	35.06	-10.69
5	137	35.15	-10.60
6	171	28.56	-5.50

Support Rotations - Degrees

About global axes used in Girder Geometry table

Supp/Node		Noncomp Dead x-axis	Noncomp Dead y-axis	Superimp Dead x-axis	Superimp Dead y-axis	LL+I+SDWK Range x-axis		LL+I+SDWK Range y-axis	
1	2	0.05	0.09	0.01	0.02	(-0.04 to	0.02)	(-0.04 to	0.07)
		Concurrent live vertical reaction				32.85	-5.64	-5.64	32.85
2	21	0.03	0.08	0.01	0.02	(-0.03 to	0.02)	(-0.05 to	0.07)
		Concurrent live vertical reaction				60.89	49.78	49.78	60.89
3	57	0.00	-0.05	0.00	-0.01	(-0.01 to	0.01)	(-0.09 to	0.09)
		Concurrent live vertical reaction				49.63	55.89	55.89	54.26
4	97	-0.01	0.04	0.00	0.01	(-0.02 to	0.02)	(-0.09 to	0.09)
		Concurrent live vertical reaction				51.85	54.72	51.85	54.72
5	137	0.00	-0.01	0.00	0.00	(-0.04 to	0.03)	(-0.07 to	0.06)
		Concurrent live vertical reaction				55.09	46.05	55.09	46.05
6	171	0.13	-0.23	0.03	-0.06	(-0.05 to	0.02)	(-0.09 to	0.04)
		Concurrent live vertical reaction				36.24	-3.92	36.24	-3.92

Torsional and flexural rotations - member local axes

Supp/Node		Noncomp Dead tors	Noncomp Dead flex	Superimp Dead tors	Superimp Dead flex	LL+I+SDWK Range tors		LL+I+SDWK Range flex	

1	2	0.09	0.05	0.02	0.01	(-0.02 to 0.04)	(0.00 to 0.08)
2	21	0.03	0.08	0.01	0.02	(-0.03 to 0.02)	(-0.05 to 0.07)
3	57	0.00	-0.05	0.00	-0.01	(-0.01 to 0.01)	(-0.09 to 0.09)
4	97	-0.01	0.04	0.00	0.01	(-0.02 to 0.02)	(-0.09 to 0.09)
5	137	0.00	-0.01	0.00	0.00	(-0.04 to 0.03)	(-0.07 to 0.06)
6	171	0.13	-0.23	0.03	-0.06	(-0.05 to 0.02)	(-0.09 to 0.04)

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Girder System : Analysis Output : Reactions - Girder 3 BEAM 2

Girder 3 Service Vertical Reactions - k

Supp/Node	Noncomp Dead	Super-Imposed Dead	Max Live+ Impact	Min Live+ Impact	Sidewalk Max	Sidewalk Min
Governing						
1 3	56.20	16.39	70.58	-9.80	0.00	0.00
Steel	15.56					
Concrete	40.64					

Global x concurrent LL+I rot. -0.0134 -0.0114 deg
Global y concurrent LL+I rot. 0.0262 -0.0087 deg

Max LL+I Contribution by Lane

1	2
30.54	40.04

Concurrent reactions using same governing loaded lanes as for Max LL+I

Concurrent at gdr 1 - 6.44

Concurrent at gdr 2 - 49.68

Concurrent at gdr 4 - 39.96

2 27	236.43	69.21	117.63	-11.16	0.00	0.00
Steel	62.09					
Concrete	174.34					

Global x concurrent LL+I rot. 0.0055 -0.0065 deg
Global y concurrent LL+I rot. 0.0170 -0.0140 deg

Max LL+I Contribution by Lane

1	2
54.46	63.16

Concurrent reactions using same governing loaded lanes as for Max LL+I

Concurrent at gdr 1 - 31.63

Concurrent at gdr 2 - 98.08

Concurrent at gdr 4 - 116.16

3 67	275.75	78.36	126.99	-11.68	0.00	0.00
Steel	79.79					
Concrete	195.96					

Global x concurrent LL+I rot. 0.0017 -0.0016 deg
Global y concurrent LL+I rot. 0.0205 -0.0204 deg

Max LL+I Contribution by Lane

```
        1          2
     60.10      66.88

    Concurrent reactions using same governing loaded lanes
    as for Max LL+I


     Concurrent at gdr  1 -       34.12

     Concurrent at gdr  2 -      106.52

     Concurrent at gdr  4 -      135.75


  4  107    251.32     74.12    125.23    -13.33    0.00     0.00
     Steel     68.28
     Concrete 183.04


Global x concurrent LL+I rot.   0.0045   -0.0043 deg
Global y concurrent LL+I rot.   0.0210   -0.0206 deg


    Max LL+I Contribution by Lane
        1          2
     58.73      66.50


    Concurrent reactions using same governing loaded lanes
    as for Max LL+I


     Concurrent at gdr  1 -       35.32

     Concurrent at gdr  2 -      104.69

     Concurrent at gdr  4 -      131.15


  5  147    266.82     78.08    124.93     -8.33    0.00     0.00
     Steel     71.32
     Concrete 195.49


Global x concurrent LL+I rot.   0.0106   -0.0102 deg
Global y concurrent LL+I rot.   0.0194   -0.0188 deg


    Max LL+I Contribution by Lane
        1          2
     58.19      66.74


    Concurrent reactions using same governing loaded lanes
    as for Max LL+I


     Concurrent at gdr  1 - 4     37.37

     Concurrent at gdr  2 - 3    102.58

     Concurrent at gdr  4 - 1    131.35


  6  179     79.47     23.63     66.99     -7.44    0.00     0.00
     Steel     21.60
     Concrete  57.87


Global x concurrent LL+I rot.  -0.0093   -0.0180 deg
Global y concurrent LL+I rot.  -0.0161   -0.0311 deg


    Max LL+I Contribution by Lane
        1          2
```

29.64 37.35

Concurrent reactions using same governing loaded lanes
as for Max LL+I

Concurrent at gdr 1 - 8.75

Concurrent at gdr 2 - 45.78

Concurrent at gdr 4 - 43.41

Truck Loading

1	3	70.58	-7.21
2	27	93.80	-7.41
3	67	93.35	-6.48
4	107	92.80	-6.46
5	147	93.03	-5.84
6	179	66.99	-5.40

Lane Loading

1	3	58.29	-9.59
2	27	117.63	-9.49
3	67	126.99	-10.10
4	107	125.23	-12.07
5	147	124.93	-7.39
6	179	62.92	-7.21

Fatigue Truck

1	3	28.15	-5.47
2	27	41.91	-5.63
3	67	41.90	-4.90
4	107	41.40	-4.93
5	147	40.75	-4.45
6	179	28.38	-4.12

Support Rotations - Degrees

About global axes used in Girder Geometry table

Supp/Node		Noncomp Dead x-axis	Noncomp Dead y-axis	Superimp Dead x-axis	Superimp Dead y-axis	LL+I+SDWK Range x-axis		LL+I+SDWK Range y-axis	
1	3	0.05	0.09	0.01	0.02	(-0.03 to	0.01)	(-0.02 to	0.05)
		Concurrent live vertical reaction				42.59	-4.03	-4.03	42.59
2	27	0.02	0.06	0.01	0.02	(-0.02 to	0.02)	(-0.04 to	0.05)
		Concurrent live vertical reaction				43.70	41.63	41.63	43.70
3	67	0.00	-0.03	0.00	-0.01	(0.00 to	0.00)	(-0.06 to	0.06)
		Concurrent live vertical reaction				43.46	42.42	42.42	43.46
4	107	-0.01	0.03	0.00	0.00	(-0.01 to	0.01)	(-0.06 to	0.06)
		Concurrent live vertical reaction				42.00	42.18	42.00	42.18
5	147	-0.01	0.01	0.00	0.00	(-0.03 to	0.03)	(-0.05 to	0.05)
		Concurrent live vertical reaction				42.59	39.92	42.59	39.92
6	179	0.14	-0.24	0.03	-0.06	(-0.05 to	0.02)	(-0.09 to	0.03)
		Concurrent live vertical reaction				35.43	-3.02	35.43	-3.02

Torsional and flexural rotations - member local axes

Supp/Node		Noncomp Dead tors	Noncomp Dead flex	Superimp Dead tors	Superimp Dead flex	LL+I+SDWK Range tors		LL+I+SDWK Range flex	

1	3	0.05	0.09	0.01	0.02	(-0.03 to 0.01)	(-0.02 to 0.05)
2	27	0.02	0.06	0.01	0.02	(-0.02 to 0.02)	(-0.04 to 0.05)
3	67	0.00	-0.03	0.00	-0.01	(0.00 to 0.00)	(-0.06 to 0.06)
4	107	-0.01	0.03	0.00	0.00	(-0.01 to 0.01)	(-0.06 to 0.06)
5	147	-0.01	0.01	0.00	0.00	(-0.03 to 0.03)	(-0.05 to 0.05)
6	179	0.14	-0.24	0.03	-0.06	(-0.05 to 0.02)	(-0.09 to 0.03)

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Girder System : Analysis Output : Reactions - Girder 4 BEAM 1

Girder 4 Service Vertical Reactions - k

Supp/Node	Noncomp Dead	Super-Imposed Dead	Max Live+ Impact	Min Live+ Impact	Sidewalk Max	Sidewalk Min
Governing						
1 4	51.01	15.76	60.22	-16.76	0.00	0.00
Steel	13.10					
Concrete	37.90					

Global x concurrent LL+I rot. -0.0159 -0.0129 deg
Global y concurrent LL+I rot. 0.0358 -0.0091 deg

Max LL+I Contribution by Lane

1	2
6.27	53.95

Concurrent reactions using same governing loaded lanes as for Max LL+I

Concurrent at gdr 1 - 13.76

Concurrent at gdr 2 - 24.99

Concurrent at gdr 3 - 43.68

2 28	245.08	73.32	135.29	-28.94	0.00	0.00
Steel	63.39					
Concrete	181.69					

Global x concurrent LL+I rot. 0.0063 -0.0070 deg
Global y concurrent LL+I rot. 0.0190 -0.0155 deg

Max LL+I Contribution by Lane

1	2
23.88	111.41

Concurrent reactions using same governing loaded lanes as for Max LL+I

Concurrent at gdr 1 - 29.97

Concurrent at gdr 2 - 90.50

Concurrent at gdr 3 - 102.40

3 68	299.66	86.69	156.73	-35.51	0.00	0.00
Steel	85.14					
Concrete	214.52					

Global x concurrent LL+I rot. 0.0022 -0.0014 deg
Global y concurrent LL+I rot. 0.0217 -0.0218 deg

Max LL+I Contribution by Lane

```
        1          2
    29.20     127.53

    Concurrent reactions using same governing loaded lanes
    as for Max LL+I


     Concurrent at gdr  1 -       32.54

     Concurrent at gdr  2 -       97.97

     Concurrent at gdr  3 -      110.46

  4  108     264.07     78.92     151.63     -40.00     0.00      0.00
     Steel      70.45
     Concrete 193.62

Global x concurrent LL+I rot.   0.0052   -0.0043 deg
Global y concurrent LL+I rot.   0.0227   -0.0220 deg

    Max LL+I Contribution by Lane
        1          2
    27.95     123.67

    Concurrent reactions using same governing loaded lanes
    as for Max LL+I


     Concurrent at gdr  1 -       33.36

     Concurrent at gdr  2 -       96.48

     Concurrent at gdr  3 -      109.32

  5  148     294.00     87.34     151.83     -26.69     0.00      0.00
     Steel      77.33
     Concrete 216.67

Global x concurrent LL+I rot.   0.0136   -0.0116 deg
Global y concurrent LL+I rot.   0.0241   -0.0220 deg

    Max LL+I Contribution by Lane
        1          2
    28.87     122.96

    Concurrent reactions using same governing loaded lanes
    as for Max LL+I


     Concurrent at gdr  1 -  4    34.60

     Concurrent at gdr  2 -  3    95.06

     Concurrent at gdr  3 -  2   109.60

  6  180      78.64     24.04      65.54     -14.69     0.00      0.00
     Steel      20.17
     Concrete   58.47

Global x concurrent LL+I rot.  -0.0174   -0.0234 deg
Global y concurrent LL+I rot.  -0.0304   -0.0405 deg

    Max LL+I Contribution by Lane
        1          2
```

11.40 54.14

Concurrent reactions using same governing loaded lanes
as for Max LL+I

Concurrent at gdr 1 - 14.60

Concurrent at gdr 2 - 42.84

Concurrent at gdr 3 - 53.85

Truck Loading

1	4	60.22	-7.51
2	28	78.97	-11.02
3	68	78.11	-10.62
4	108	77.89	-11.78
5	148	83.96	-7.56
6	180	64.90	-6.80

Lane Loading

1	4	51.82	-9.39
2	28	135.29	-14.06
3	68	156.73	-17.68
4	108	151.63	-22.02
5	148	151.83	-9.44
6	180	64.38	-8.63

Fatigue Truck

1	4	38.26	-5.70
2	28	48.63	-8.33
3	68	48.20	-8.06
4	108	48.21	-8.80
5	148	49.88	-5.78
6	180	40.84	-5.20

Support Rotations - Degrees

About global axes used in Girder Geometry table

Supp/Node		Noncomp Dead x-axis	Noncomp Dead y-axis	Superimp Dead x-axis	Superimp Dead y-axis	LL+I+SDWK Range x-axis		LL+I+SDWK Range y-axis	
1	4	0.05	0.09	0.01	0.02	(-0.03 to	0.02)	(-0.03 to	0.06)
		Concurrent live vertical reaction				39.58	-4.08	-4.08	39.58
2	28	0.01	0.04	0.00	0.01	(-0.02 to	0.02)	(-0.04 to	0.05)
		Concurrent live vertical reaction				67.78	54.31	54.31	67.78
3	68	0.00	-0.02	0.00	0.00	(0.00 to	0.01)	(-0.06 to	0.06)
		Concurrent live vertical reaction				65.09	66.32	66.42	65.09
4	108	0.00	0.01	0.00	0.00	(-0.01 to	0.01)	(-0.06 to	0.06)
		Concurrent live vertical reaction				61.68	65.34	61.68	65.34
5	148	-0.02	0.04	-0.01	0.01	(-0.03 to	0.04)	(-0.06 to	0.07)
		Concurrent live vertical reaction				56.78	73.69	56.78	73.69
6	180	0.14	-0.25	0.04	-0.06	(-0.07 to	0.02)	(-0.11 to	0.03)
		Concurrent live vertical reaction				45.42	-3.75	45.42	-3.75

Torsional and flexural rotations - member local axes

Supp/Node	Noncomp Dead tors	Noncomp Dead flex	Superimp Dead tors	Superimp Dead flex	LL+I+SDWK Range tors	LL+I+SDWK Range flex

1	4	0.05	0.09	0.01	0.02	(-0.03 to 0.02)	(-0.03 to 0.06)
2	28	0.01	0.04	0.00	0.01	(-0.02 to 0.02)	(-0.04 to 0.05)
3	68	0.00	-0.02	0.00	0.00	(0.00 to 0.01)	(-0.06 to 0.06)
4	108	0.00	0.01	0.00	0.00	(-0.01 to 0.01)	(-0.06 to 0.06)
5	148	-0.02	0.04	-0.01	0.01	(-0.03 to 0.04)	(-0.06 to 0.07)
6	180	0.14	-0.25	0.04	-0.06	(-0.07 to 0.02)	(-0.11 to 0.03)