```
        -------------------------- PROGRAM BRUG(5.75.44)
        -------------------------
        - INPUTFILE  : 1_III_B_R5_EL.txt    -  OUTPUTFILE : 1_III_B_R5_EL.OUT
        -
        - DATE       :    11/09/200         -  TIME       :     13:26:02
        -

        ---------------------------------------------------------------------
        ----


                          ********** BRUG INPUT DATA LISTING **********

           5   10   15   20   25   30   35   40   45   50   55   60   65   70
           75   80
           V    V    V    V    V    V    V    V    V    V    V    V    V    V
           V    V
    1 |* start ; column 11-30 can be used to have your own text on the top of
    each page
    2 |*   5   10   15   20   25   30   35   40   45   50   55   60   65   70
    75   80
    3 |*   V    V    V    V    V    V    V    V    V    V    V    V    V    V
    V    V
    4 |00001  1 1     VEH: R5 - MICHIGAN TRUCK TRAIN No. 8- SINGLE TRUCK
    5 |* code 1001
    6 |Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' Wide -
    Single Vehicle
    7 |* code 1002
    8 |    2         1
    9 |* code 1003
   10 |*   5   10   15   20   25   30   35   40   45   50   55   60   65   70
   75   80
   11 |*   V    V    V    V    V    V    V    V    V    V    V    V    V    V
   V    V
   12 |250.0     170.0     71.1050   1.0       1.0       1.3
   13 |* code 1004
   14 |    1    0    2
   15 |* code 1005
   16 |* Vehicle weight is 134.2 Kips, rounded to 135
   17 |  135    1
   18 |* code 1005a
   19 |* location traffic lanes
   20 |7.667
   21 |* maximum and minimum truck
   22 |6.667     64.438    10.000
   23 |* code 1007, linear loads
   24 |0.7350    0.441
   25 |70.37     0.441
   26 |* code 1201
   27 |   10    6    5    2    4
   28 |* code 1202 coordinates
   29 |0.0000    0.0
   30 |10.7917   0.0
   31 |10.7917   -9.0005
   32 |26.6250   0.0
   33 |26.6250   -9.0005
   34 |49.0217   0.0
   35 |49.0217   -9.0005
   36 |64.8550   0.0
   37 |64.8550   -9.0005
   38 |71.1050   0.0
   39 |* code 1203 - profile 1
   40 |    5    2    3    4
   41 |0.0000    0.750
   42 |5.2083    0.750
```



```
   43 |7.7083    1.208
   44 |10.2083   1.667
   45 |10.7917   1.667
           ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
           ^    ^
           5   10   15   20   25   30   35   40   45   50   55   60   65   70
           75   80
```

********** BRUG INPUT DATA LISTING **********

```
         5   10   15   20   25   30   35   40   45   50   55   60   65   70
         75   80
         V    V    V    V    V    V    V    V    V    V    V    V    V    V
         V    V
 46 |* code 1203 - profile 2
 47 |    7    2    3    4
 48 |0.0000    1.667
 49 |0.5833    1.667
 50 |5.5833    0.750
 51 |7.9167    0.750
 52 |10.2500   0.750
 53 |15.2500   1.667
 54 |15.8333   1.667
 55 |* code 1203 - profile 3
 56 |    7    2    3    4
 57 |0.0000    1.667
 58 |0.5833    1.667
 59 |5.5833    0.750
 60 |11.1983   0.750
 61 |16.8133   0.750
 62 |21.8133   1.667
 63 |22.3967   1.667
 64 |* code 1203 - profile 4
 65 |    5    2    3    4
 66 |0.0000    1.667
 67 |0.5833    1.667
 68 |2.5833    1.343
 69 |4.5833    1.020
 70 |6.2500    0.750
 71 |* code 1203 - profile 5
 72 |    7    2    3    4
 73 |0.0000    1.458
 74 |0.5833    1.458
 75 |1.5833    0.458
 76 |7.9167    0.458
 77 |14.2500   0.458
 78 |15.2500   1.458
 79 |15.8333   1.458
 80 |* code 1203 - profile 6
 81 |    5    2    3    4
 82 |0.0000    1.167
 83 |0.8334    1.167
 84 |4.3204    1.167
 85 |7.7714    1.167
 86 |9.0005    1.167
 87 |* code 1204 - assembling boxgirder
 88 |    1    2    1
 89 |    2    4    2
 90 |    4    6    3
 91 |    6    8    2
 92 |    8   10    4
 93 |    3    5    5
 94 |    7    9    5
 95 |    2    3    6
         ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
         ^    ^
         5   10   15   20   25   30   35   40   45   50   55   60   65   70
         75   80
```

1_III_B_R5_EL.OUT 9/11/2009

********** BRUG INPUT DATA LISTING **********

```
         5   10   15   20   25   30   35   40   45   50   55   60   65   70
         75   80
         V    V    V    V    V    V    V    V    V    V    V    V    V    V
         V    V
 96 |    4    5    6
 97 |    6    7    6
 98 |    8    9    6
 99 |* code 1205 control code
100 |    1    2   13    1    1    0    4   11     1.0       1.0
101 |* code 1206 wheels/axle
102 |       0.0
103 |       1.5
104 |       6.0
105 |       7.5 0.833
106 |* code 1207 definition axles
107 |0.00      12.00
108 |9.00      13.40
109 |12.50     13.40
110 |21.50     10.90
111 |25.00     10.90
112 |28.50     10.90
113 |32.00     10.90
114 |35.50     10.90
115 |39.00     10.90
116 |48.00     15.00
117 |57.00     15.00
118 |* code 1208 - accuracy
119 |0.00001   0.00001   0.00001   .00001    .00001
120 |* code 1209 number sections
121 |   45
122 |   1A   1B   1C   1R   2L   2A   2B   2C   2R   3L   3A   3B   3C   3R
123 |   4L   4A   4B   4C   4R   5L   5A   5B   5C
124 |   6A   6B   6C   7A   7B   7C   8L   8A   8B   8C   9L   9A   9B   9C
125 |  10L  10A  10B  10C  11L  11A  11B  11C
126 |* code 1210 - density conrete
127 |0.156
128 |* code 1211 - extra forces selfweight
129 |
130 |* code 1212 - surcharge
131 |1.777
132 |* code 1213 - Prestressing Layout - NONE
133 |•
         ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
         ^    ^
         5   10   15   20   25   30   35   40   45   50   55   60   65   70
         75   80
```

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 1
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Length 250.000
Equivalent length 170.000

Data cross-section boxgidruker

Number of nodes 10
Number of profiles 6
Number of topslabs 5
Number of bottomslabs 2
Number of webs 4

Node coordinates

Number	z	y
1	0.000	0.000
2	10.792	0.000
3	10.792	-9.001
4	26.625	0.000
5	26.625	-9.001
6	49.022	0.000
7	49.022	-9.001
8	64.855	0.000
9	64.855	-9.001
10	71.105	0.000

Slab data

number	type	start node	end node	thickness	profile number	length
1	top	1	2	-	1	10.792
2	top	2	4	-	2	15.833
3	top	4	6	-	3	22.397
4	top	6	8	-	2	15.833
5	top	8	10	-	4	6.250
6	bottom	3	5	-	5	15.833
7	bottom	7	9	-	5	15.833
8	web	2	3	-	6	9.001
9	web	4	5	-	6	9.001
10	web	6	7	-	6	9.001
11	web	8	9	-	6	9.001

Data of profiles

Profile 1

section	z	thickness
1 (l)	0.000	0.750
2 (a)	5.208	0.750
3 (b)	7.708	1.208
4 (c)	10.208	1.667
5 (r)	10.792	1.667

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 2
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Data cross-section boxgidruker (continued)

Data of profiles (continued)

Profile 2

section	z	thickness
1 (l)	0.000	1.667
2 (a)	0.583	1.667
3 (b)	5.583	0.750
4 (c)	7.917	0.750
5	10.250	0.750
6	15.250	1.667
7 (r)	15.833	1.667

Profile 3

section	z	thickness
1 (l)	0.000	1.667
2 (a)	0.583	1.667
3 (b)	5.583	0.750
4 (c)	11.198	0.750
5	16.813	0.750
6	21.813	1.667
7 (r)	22.397	1.667

Profile 4

section	z	thickness
1 (l)	0.000	1.667
2 (a)	0.583	1.667
3 (b)	2.583	1.343
4 (c)	4.583	1.020
5 (r)	6.250	0.750

Profile 5

section	z	thickness
1 (l)	0.000	1.458
2 (a)	0.583	1.458
3 (b)	1.583	0.458
4 (c)	7.917	0.458
5	14.250	0.458
6	15.250	1.458
7 (r)	15.833	1.458

Profile 6

section	z	thickness
1 (l)	0.000	1.167
2 (a)	0.833	1.167
3 (b)	4.320	1.167
4 (c)	7.771	1.167
5 (r)	9.001	1.167

1 2 13 1 1 0 4 11 1.0 1.0

```
 VEH: R5 - MICHIGAN T               BRUG(5.75.44)          page   3
                                     date 11/09/2009; time 13:26:02
 Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

 Transverse distribution     1
 Transverse moments          1
 Transverse axial force      1
                     0 = no, 1 = yes
 Number of prest. tendons    0
```



```
 VEH: R5 - MICHIGAN T               BRUG(5.75.44)          page   4
                                     date 11/09/2009; time 13:26:02
 Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

 Length             250.000
 Equivalent length  170.000

 Loadings

 General loadings

      Density concrete      0.156
      Dead load (topping)   1.777

 Dead load (linear)

 Distance linear loads to edge superstructure and magnitude
      Linear load      z         p
           1         0.735     0.441
           2        70.370     0.441

 Live load
      Loading class              135
      Max. numbers of vehicles     1
      Vehicle code                13
      Number of
             - axles              11
             - wheels / axle       4
             - trafficlanes        1
             - u.d.l. lanes        0
             - linear loads        2

 Vehicle axles

      Axle Axle-dist Axle-load
         1     0.000    12.072
         2     9.000    13.480
         3    12.500    13.480
         4    21.500    10.965
         5    25.000    10.965
         6    28.500    10.965
         7    32.000    10.965
         8    35.500    10.965
         9    39.000    10.965
        10    48.000    15.089
        11    57.000    15.089

 Length wheel  :      0.833

 Wheels per axle

      Wheel  Distance
         1      0.000
         2      1.500
         3      6.000
         4      7.500

 Distance centre of traffic lanes to edge of superstructure
      traffic lane    z
           1         7.667

 Distance between edge of superstructure and centreline vehicle
      - minimum distance     6.667
      - maximum distance    64.438

 Reduction coefficient
```

Number Vehicles	coefficient Vehicle	U.D.L.
1	1.000	1.000

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 5
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Loadings (continued)

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 6
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Tolerances

The following values are used to stop the harmonics

	relative	absolute
Tolerance vehicle	0.000	0.000
Tolerance selfweight	0.000	0.000
Tolerance topping	0.000	0.000

Asked sections 45

Section :	1A	1B	1C	1R	2L	2A	2B	2C	2R
	3L	3A	3B	3C	3R	4L	4A	4B	4C
	4R	5L	5A	5B	5C	6A	6B	6C	7A
	7B	7C	8L	8A	8B	8C	9L	9A	9B
	9C	10L	10A	10B	10C	11L	11A	11B	11C

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 7
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Length 250.000 Equivalent length 170.000

Transverse influence lines

Load on web

Node	1	2	3	4
1	1.56	1.50	0.46	0.49
2	1.52	1.48	0.47	0.52
	1.45	1.51	0.49	0.55
4	1.33	1.47	0.58	0.62
	0.99	1.03	1.02	0.96
6	0.66	0.58	1.47	1.29
	0.58	0.49	1.51	1.41
8	0.56	0.48	1.48	1.48
10	0.54	0.47	1.49	1.50

Transverse loading distributions factors

web	Traffic lane 1
1	1.532
2	1.485
3	0.467
4	0.516

web	Lineair load 1	2
1	1.553	0.546
2	1.494	0.470
3	0.456	1.485
4	0.496	1.499

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 8
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Selfweight 51 harmonic

Slab	section	moment	axialforce
1	A	-1.31	0.31
1	B	-3.31	0.70
1	C	-6.46	1.32
1	RIGHT	-7.40	1.50
2	LEFT	-5.00	1.59
2	A	-4.21	1.42
2	B	-0.24	0.50
2	C	0.21	0.35
2	RIGHT	-4.11	1.02
3	LEFT	-6.37	0.93
3	A	-5.40	0.71
3	B	0.17	-0.60
3	C	1.95	-1.15
3	RIGHT	-6.56	0.28
4	LEFT	-4.24	0.39
4	A	-3.48	0.23
4	B	0.25	-0.55
4	C	0.57	-0.61
4	RIGHT	-4.15	0.45
5	LEFT	-3.32	0.74
5	A	-2.65	0.59
5	B	-0.99	0.22
5	C	-0.16	0.04
6	A	-1.17	0.11
6	B	-0.64	0.38
6	C	0.81	1.12
7	A	-0.94	0.10
7	B	-0.44	0.39
7	C	0.79	1.26
8	TOP	-2.40	-3.10
8	A	-2.33	-2.70
8	B	-2.00	-0.97
8	C	-1.68	0.43
9	TOP	2.26	-3.03
9	A	2.19	-2.64
9	B	1.90	-0.95
9	C	1.62	0.42
10	TOP	-2.32	-3.10
10	A	-2.23	-2.72
10	B	-1.84	-1.02
10	C	-1.45	0.38
11	TOP	-0.83	-2.56
11	A	-0.59	-2.22
11	B	0.43	-0.72
11	C	1.44	0.51

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 9
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 1 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.1030	-5.1960	0.0006	0.0221
2	10.792	0.0001	0.0061	0.0007	0.0211
	18.708	-0.0005	0.0016	0.0006	0.0219
4	26.625	-0.0001	-0.0022	0.0003	0.0216
	37.823	0.0001	-0.0037	0.0002	0.0146
6	49.022	0.0000	-0.0016	0.0000	0.0075
	56.938	0.0000	-0.0012	0.0000	0.0063
8	64.855	0.0000	-0.0012	0.0000	0.0065
10	71.105	0.0000	-0.0012	0.0000	0.0061
Area		-0.2536	-13.5293	0.0193	1.0465

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.315	-1.315	0.307	0.307
Topping	-0.338	-0.338	0.026	0.026
Linear loads	-1.968	-1.968	0.012	0.012
Live load (incl. reduction factor)				
Vehicle(s)	0.272	-2.325	0.112	0.108
Total	-3.349	-5.946	0.458	0.454

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
5.21 6.71 11.21 12.71

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 10
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 1 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.1511	-7.6828	0.0014	0.0496
2	10.792	0.0003	0.0128	0.0016	0.0475
	18.708	-0.0014	0.0034	0.0013	0.0491
4	26.625	-0.0001	-0.0043	0.0008	0.0485
	37.823	0.0001	-0.0075	0.0004	0.0330
6	49.022	0.0000	-0.0032	0.0001	0.0174
	56.938	0.0000	-0.0023	0.0000	0.0148
8	64.855	0.0000	-0.0024	0.0000	0.0150
10	71.105	0.0000	-0.0024	0.0001	0.0144
Area		-0.5907	-29.6320	0.0456	2.3690

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.305	-3.305	0.696	0.696
Topping	-0.741	-0.741	0.059	0.059
Linear loads	-3.065	-3.065	0.028	0.028
Live load (incl. reduction factor)				
Vehicle(s)	0.135	-6.781	0.268	0.261
Total	-6.976	-13.892	1.051	1.044

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
7.71 9.21 13.71 15.21

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 11
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 1 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.1930	-10.1413	0.0029	0.0927
2	10.792	0.0007	0.0336	0.0032	0.0889
	18.708	-0.0044	0.0089	0.0026	0.0919
4	26.625	-0.0004	-0.0113	0.0015	0.0908
	37.823	0.0004	-0.0199	0.0007	0.0623
6	49.022	0.0000	-0.0086	0.0002	0.0338
	56.938	-0.0001	-0.0063	0.0001	0.0291
8	64.855	0.0000	-0.0064	0.0001	0.0294
10	71.105	0.0000	-0.0066	0.0001	0.0283
Area		-1.0471	-51.9112	0.0910	4.4750

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-6.457	-6.457	1.315	1.315
Topping	-1.297	-1.297	0.112	0.112
Linear loads	-4.152	-4.152	0.053	0.053
Live load (incl. reduction factor)				
Vehicle(s)	-0.009	-11.917	0.013	0.530
Total	-11.915	-23.824	1.493	2.010

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
60.69 62.19 66.69 68.19

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 12
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 1 section right

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.2025	-10.7097	0.0034	0.1055
2	10.792	0.0010	0.0412	0.0038	0.1012
	18.708	-0.0056	0.0110	0.0030	0.1046
4	26.625	-0.0005	-0.0138	0.0017	0.1033
	37.823	0.0005	-0.0244	0.0008	0.0711
6	49.022	0.0000	-0.0106	0.0002	0.0389
	56.938	-0.0001	-0.0077	0.0001	0.0335
8	64.855	-0.0001	-0.0079	0.0001	0.0339
10	71.105	0.0000	-0.0081	0.0001	0.0325
Area		-1.1769	-57.9939	0.1054	5.1051

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-7.404	-7.404	1.501	1.501
Topping	-1.449	-1.449	0.128	0.128
Linear loads	-4.404	-4.404	0.061	0.061
Live load (incl. reduction factor)				
Vehicle(s)	-0.011	-13.756	0.016	0.618
Total	-13.267	-27.013	1.705	2.307

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
60.69 62.19 66.69 68.19

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 13
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 2 section left

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0566	-2.0814	0.0210	1.1437
2	10.792	0.0227	1.7174	0.0070	0.3465
	18.708	-0.0470	-2.2657	-0.0016	-0.1349
4	26.625	-0.0234	-1.8502	-0.0013	-0.1249
	37.823	-0.0004	-0.3243	0.0003	0.0133
6	49.022	0.0005	0.0541	0.0001	0.0263
	56.938	0.0004	0.0839	0.0000	0.0257
8	64.855	0.0005	0.0736	0.0000	0.0258
10	71.105	0.0006	0.0705	0.0001	0.0247
Area		-0.7411	-34.1181	0.1554	7.8262

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-5.001	-5.001	1.593	1.593
Topping	-0.853	-0.853	0.196	0.196
Linear loads	-0.773	-0.773	0.491	0.491
Live load (incl. reduction factor)				
Vehicle(s)	0.088	-6.601	-0.001	-0.241
Total	-6.538	-13.227	2.279	2.039

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
60.69 62.19 66.69 68.19

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.21 18.71 23.21 24.71

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 14
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 2 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0507	-1.9710	0.0198	1.0885
2	10.792	0.0211	1.6172	0.0062	0.3118
	18.708	-0.0413	-1.9467	-0.0020	-0.1555
4	26.625	-0.0215	-1.6885	-0.0013	-0.1326
	37.823	-0.0007	-0.3262	0.0005	0.0191
6	49.022	0.0002	0.0215	0.0001	0.0323
	56.938	0.0002	0.0509	0.0000	0.0314
8	64.855	0.0003	0.0427	0.0000	0.0315
10	71.105	0.0004	0.0406	0.0001	0.0302
Area		-0.6196	-29.3089	0.1414	7.2073

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.212	-4.212	1.422	1.422
Topping	-0.732	-0.732	0.180	0.180
Linear loads	-0.743	-0.743	0.470	0.470
Live load (incl. reduction factor)				
Vehicle(s)	0.427	-5.801	1.451	-0.285
Total	-5.261	-11.490	3.523	1.787

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
5.38 6.88 11.38 12.88

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.21 18.71 23.21 24.71

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 15
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 2 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0233	-1.0975	0.0117	0.6501
2	10.792	0.0086	0.7240	0.0013	0.0482
	18.708	0.0112	0.7813	-0.0039	-0.2983
4	26.625	-0.0046	-0.2860	-0.0008	-0.1649
	37.823	-0.0037	-0.3163	0.0019	0.0942
6	49.022	-0.0023	-0.2458	0.0006	0.1015
	56.938	-0.0020	-0.2229	0.0003	0.0964
8	64.855	-0.0019	-0.2129	0.0003	0.0961
10	71.105	-0.0019	-0.2064	0.0005	0.0927
Area		-0.0211	-2.0333	0.0701	3.7340

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.236	-0.236	0.495	0.495
Topping	-0.051	-0.051	0.093	0.093
Linear loads	-0.521	-0.521	0.310	0.310
Live load (incl. reduction factor)				
Vehicle(s)	3.464	-0.670	-0.211	0.922
Total	2.657	-1.478	0.687	1.820

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
10.38 11.88 16.38 17.88

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 16
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 2 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0135	-0.7066	0.0087	0.4630
2	10.792	0.0026	0.2995	-0.0004	-0.0578
	18.708	0.0392	2.0541	-0.0043	-0.3478
4	26.625	0.0035	0.3738	-0.0001	-0.1630
	37.823	-0.0052	-0.3051	0.0028	0.1425
6	49.022	-0.0034	-0.3679	0.0009	0.1433
	56.938	-0.0029	-0.3488	0.0005	0.1357
8	64.855	-0.0029	-0.3303	0.0005	0.1351
10	71.105	-0.0029	-0.3198	0.0008	0.1305
Area		0.0624	2.1624	0.0594	3.0643

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.211	0.211	0.345	0.345
Topping	0.054	0.054	0.077	0.077
Linear loads	-0.423	-0.423	0.246	0.246
Live load (incl. reduction factor)				
Vehicle(s)	3.741	-0.626	-0.510	0.546
Total	3.582	-0.784	0.158	1.214

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.21 18.71 23.21 24.71

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 17
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 2 section right

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0172	0.7001	0.0000	-0.1045
2	10.792	-0.0167	-1.0787	-0.0042	-0.3517
	18.708	-0.0418	-1.4979	-0.0037	-0.4510
4	26.625	0.0314	2.6399	0.0044	-0.0949
	37.823	-0.0150	-0.2818	0.0073	0.3606
6	49.022	-0.0080	-0.8249	0.0026	0.3322
	56.938	-0.0065	-0.8211	0.0017	0.3145
8	64.855	-0.0067	-0.7707	0.0016	0.3126
10	71.105	-0.0068	-0.7442	0.0020	0.3029
Area		-0.5883	-23.8941	0.1157	4.7481

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.108	-4.108	1.016	1.016
Topping	-0.597	-0.597	0.119	0.119
Linear loads	-0.074	-0.074	0.081	0.081
Live load (incl. reduction factor)				
Vehicle(s)	1.804	-5.611	0.993	-0.648
Total	-2.976	-10.391	2.208	0.567

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
25.12 26.62 31.12 32.62

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
12.71 14.21 18.71 20.21

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 18
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 3 section left

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0314	3.0396	0.0025	0.2260
2	10.792	0.0288	3.3115	0.0017	0.1995
	18.708	0.0227	3.5158	0.0038	0.1308
4	26.625	0.0404	4.1795	0.0050	0.0573
	37.823	-0.0673	-3.3134	0.0010	-0.0049
6	49.022	-0.0388	-4.0918	-0.0011	-0.0560
	56.938	-0.0326	-3.8943	-0.0014	-0.0502
8	64.855	-0.0326	-3.6848	-0.0015	-0.0333
10	71.105	-0.0326	-3.5646	-0.0010	-0.0318
Area		-0.8910	-36.7546	0.0811	3.3305

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-6.372	-6.372	0.931	0.931
Topping	-0.919	-0.919	0.083	0.083
Linear loads	-0.230	-0.230	0.085	0.085
Live load (incl. reduction factor)				
Vehicle(s)	5.225	-9.970	0.803	0.059
Total	-2.295	-17.490	1.902	1.158

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
19.12 20.62 25.12 26.62

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
36.32 37.82 42.32 43.82

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 19
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 3 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0295	2.8891	0.0023	0.2101
2	10.792	0.0274	3.1432	0.0015	0.1842
	18.708	0.0225	3.3328	0.0034	0.1172
4	26.625	0.0382	3.9696	0.0044	0.0457
	37.823	-0.0621	-3.0233	0.0007	-0.0147
6	49.022	-0.0369	-3.8805	-0.0011	-0.0640
	56.938	-0.0311	-3.7048	-0.0015	-0.0568
8	64.855	-0.0310	-3.5049	-0.0015	-0.0385
10	71.105	-0.0310	-3.3912	-0.0011	-0.0366
Area		-0.7577	-30.9189	0.0650	2.5906

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-5.399	-5.399	0.713	0.713
Topping	-0.773	-0.773	0.065	0.065
Linear loads	-0.220	-0.220	0.076	0.076
Live load (incl. reduction factor)				
Vehicle(s)	5.267	-9.219	0.732	0.020
Total	-1.124	-15.610	1.586	0.874

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
19.71 21.21 25.71 27.21

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
36.32 37.82 42.32 43.82

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 20
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 3 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0152	1.5022	0.0010	0.1030
2	10.792	0.0143	1.6370	0.0001	0.0810
	18.708	0.0125	1.7245	0.0011	0.0273
4	26.625	0.0207	2.1576	0.0015	-0.0287
	37.823	-0.0148	-0.5094	-0.0008	-0.0738
6	49.022	-0.0193	-2.0256	-0.0013	-0.1079
	56.938	-0.0175	-2.0372	-0.0016	-0.0877
8	64.855	-0.0170	-1.9225	-0.0019	-0.0583
10	71.105	-0.0169	-1.8656	-0.0014	-0.0535
Area		0.0342	5.0823	-0.0242	-1.8948

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.167	0.167	-0.598	-0.598
Topping	0.127	0.127	-0.047	-0.047
Linear loads	-0.159	-0.159	0.021	0.021
Live load (incl. reduction factor)				
Vehicle(s)	5.001	-3.496	0.181	-0.230
Total	5.135	-3.361	-0.444	-0.855

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
24.71 26.21 30.71 32.21

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
43.44 44.94 49.44 50.94

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 21
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 3 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0005	-0.1191	0.0002	0.0280
2	10.792	-0.0010	-0.1035	-0.0007	0.0105
	18.708	-0.0020	-0.1195	-0.0002	-0.0302
4	26.625	0.0010	0.1003	-0.0001	-0.0706
	37.823	0.0482	2.3293	-0.0013	-0.0982
6	49.022	0.0009	0.0980	-0.0007	-0.1147
	56.938	-0.0020	-0.1223	-0.0012	-0.0796
8	64.855	-0.0010	-0.1064	-0.0018	-0.0377
10	71.105	-0.0007	-0.1160	-0.0013	-0.0303
Area		0.3241	15.6910	-0.0576	-3.8705

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	1.952	1.952	-1.149	-1.149
Topping	0.392	0.392	-0.097	-0.097
Linear loads	-0.103	-0.103	-0.002	-0.002
Live load (incl. reduction factor)				
Vehicle(s)	4.777	-0.282	-0.187	-0.244
Total	7.019	1.959	-1.435	-1.492

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
31.82 33.32 37.82 39.32

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
55.44 56.94 61.44 62.94

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 22
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 3 section right

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0311	-3.3222	-0.0002	-0.0080
2	10.792	-0.0312	-3.5347	-0.0008	-0.0144
	18.708	-0.0313	-3.7502	-0.0009	-0.0304
4	26.625	-0.0376	-3.9542	-0.0007	-0.0417
	37.823	-0.0662	-3.1837	0.0007	-0.0311
6	49.022	0.0416	4.3122	0.0040	-0.0098
	56.938	0.0239	3.6540	0.0024	0.0595
8	64.855	0.0301	3.4553	0.0001	0.1299
10	71.105	0.0319	3.2995	0.0006	0.1423
Area		-1.0899	-56.8201	0.0439	0.5596

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-6.559	-6.559	0.278	0.278
Topping	-1.420	-1.420	0.014	0.014
Linear loads	-0.008	-0.008	0.058	0.058
Live load (incl. reduction factor)				
Vehicle(s)	5.430	-9.771	0.610	0.041
Total	-2.557	-17.758	0.961	0.391

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
49.02 50.52 55.02 56.52

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
31.82 33.32 37.82 39.32

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 23
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 4 section left

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0067	-0.7048	0.0027	0.3023
2	10.792	-0.0065	-0.7511	0.0021	0.3157
	18.708	-0.0063	-0.8026	0.0021	0.3191
4	26.625	-0.0078	-0.8078	0.0028	0.3318
	37.823	-0.0148	-0.2666	0.0069	0.3205
6	49.022	0.0315	2.6556	0.0033	-0.1761
	56.938	-0.0417	-1.4800	-0.0052	-0.5367
8	64.855	-0.0166	-1.0586	-0.0060	-0.4362
10	71.105	0.0039	-0.0286	-0.0034	-0.2961
Area		-0.6584	-27.4386	0.0969	4.1401

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.237	-4.237	0.389	0.389
Topping	-0.686	-0.686	0.103	0.103
Linear loads	-0.378	-0.378	-0.004	-0.004
Live load (incl. reduction factor)				
Vehicle(s)	1.818	-5.608	0.825	-0.920
Total	-3.482	-10.909	1.313	-0.432

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
43.02 44.52 49.02 50.52

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
55.44 56.94 61.44 62.94

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 24
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 4 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0064	-0.6676	0.0026	0.2858
2	10.792	-0.0062	-0.7112	0.0020	0.2985
	18.708	-0.0060	-0.7597	0.0020	0.3017
4	26.625	-0.0074	-0.7664	0.0026	0.3137
	37.823	-0.0131	-0.2661	0.0064	0.3004
6	49.022	0.0292	2.4825	0.0028	-0.1848
	56.938	-0.0365	-1.2279	-0.0054	-0.5329
8	64.855	-0.0153	-0.9694	-0.0058	-0.4183
10	71.105	0.0031	-0.0602	-0.0030	-0.2667
Area		-0.5420	-22.9581	0.0822	3.5047

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.477	-3.477	0.230	0.230
Topping	-0.574	-0.574	0.088	0.088
Linear loads	-0.369	-0.369	0.001	0.001
Live load (incl. reduction factor)				
Vehicle(s)	2.362	-4.897	0.653	-0.935
Total	-2.058	-9.317	0.972	-0.617

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
43.61 45.11 49.61 51.11

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
55.44 56.94 61.44 62.94

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 25
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 4 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0038	-0.4083	0.0015	0.1673
2	10.792	-0.0038	-0.4341	0.0011	0.1747
	18.708	-0.0038	-0.4619	0.0011	0.1766
4	26.625	-0.0045	-0.4777	0.0014	0.1824
	37.823	-0.0069	-0.2813	0.0034	0.1552
6	49.022	0.0118	1.0477	-0.0003	-0.2303
	56.938	0.0127	1.0084	-0.0060	-0.4692
8	64.855	-0.0033	-0.1090	-0.0036	-0.2340
10	71.105	-0.0035	-0.2197	0.0011	0.0181
Area		0.0293	1.2065	0.0061	-0.0249

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.246	0.246	-0.551	-0.551
Topping	0.030	0.030	-0.001	-0.001
Linear loads	-0.272	-0.272	0.069	0.069
Live load (incl. reduction factor)				
Vehicle(s)	3.895	-1.050	-0.312	0.438
Total	3.899	-1.046	-0.794	-0.045

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
47.11 48.61 53.11 54.61

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
30.32 31.82 36.32 37.82

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 26
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 4 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0028	-0.2983	0.0011	0.1231
2	10.792	-0.0028	-0.3169	0.0008	0.1286
	18.708	-0.0028	-0.3360	0.0007	0.1301
4	26.625	-0.0033	-0.3555	0.0010	0.1333
	37.823	-0.0051	-0.2932	0.0024	0.1016
6	49.022	0.0036	0.3861	-0.0011	-0.2354
	56.938	0.0393	2.0669	-0.0058	-0.4228
8	64.855	0.0028	0.3127	-0.0021	-0.1309
10	71.105	-0.0069	-0.2700	0.0034	0.1683
Area		0.1035	3.8829	-0.0067	-0.6754

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.572	0.572	-0.613	-0.613
Topping	0.097	0.097	-0.017	-0.017
Linear loads	-0.221	-0.221	0.113	0.113
Live load (incl. reduction factor)				
Vehicle(s)	3.761	-0.781	-0.741	0.327
Total	4.209	-0.333	-1.258	-0.190

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
50.94 52.44 56.94 58.44

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
31.82 33.32 37.82 39.32

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 27
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 4 section right

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0008	0.0774	0.0001	0.0133
2	10.792	0.0006	0.0824	0.0000	0.0138
	18.708	0.0005	0.0927	0.0000	0.0140
4	26.625	0.0006	0.0632	0.0000	0.0117
	37.823	-0.0003	-0.3142	0.0000	-0.0201
6	49.022	-0.0233	-1.8396	-0.0021	-0.1771
	56.938	-0.0467	-2.2566	-0.0029	-0.1879
8	64.855	0.0229	1.7251	0.0055	0.2952
10	71.105	-0.0271	-0.4746	0.0142	0.7556
Area		-0.5434	-27.3290	0.0376	1.2828

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.150	-4.150	0.447	0.447
Topping	-0.683	-0.683	0.032	0.032
Linear loads	-0.061	-0.061	0.315	0.315
Live load (incl. reduction factor)				
Vehicle(s)	0.116	-6.564	0.011	-0.432
Total	-4.778	-11.459	0.804	0.362

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
50.94 52.44 56.94 58.44

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 28
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 5 section left

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0000	-0.0082	0.0002	0.0188
2	10.792	-0.0001	-0.0079	0.0001	0.0199
	18.708	-0.0001	-0.0078	0.0001	0.0199
4	26.625	0.0000	-0.0105	0.0001	0.0223
	37.823	0.0005	-0.0235	0.0004	0.0358
6	49.022	-0.0005	-0.0131	0.0009	0.0491
	56.938	-0.0056	0.0106	0.0017	0.0495
8	64.855	0.0010	0.0395	0.0022	0.0480
10	71.105	-0.1255	-6.1883	0.0021	0.0489
Area		-0.4448	-19.6705	0.0524	2.4121

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.319	-3.319	0.738	0.738
Topping	-0.492	-0.492	0.060	0.060
Linear loads	-2.410	-2.410	0.030	0.030
Live load (incl. reduction factor)				
Vehicle(s)	-0.009	-4.843	0.022	0.365
Total	-6.229	-11.063	0.849	1.192

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
60.69 62.19 66.69 68.19

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 29
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 5 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0000	-0.0066	0.0001	0.0150
2	10.792	-0.0001	-0.0064	0.0001	0.0159
	18.708	-0.0001	-0.0063	0.0001	0.0159
4	26.625	0.0000	-0.0085	0.0001	0.0178
	37.823	0.0004	-0.0190	0.0003	0.0287
6	49.022	-0.0004	-0.0107	0.0007	0.0394
	56.938	-0.0043	0.0085	0.0013	0.0398
8	64.855	0.0006	0.0317	0.0018	0.0385
10	71.105	-0.1147	-5.6171	0.0016	0.0392
Area		-0.3617	-16.1735	0.0417	1.9328

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-2.648	-2.648	0.591	0.591
Topping	-0.404	-0.404	0.048	0.048
Linear loads	-2.157	-2.157	0.024	0.024
Live load (incl. reduction factor)				
Vehicle(s)	-0.007	-3.705	0.017	0.289
Total	-5.216	-8.914	0.680	0.953

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
60.69 62.19 66.69 68.19

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 30
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 5 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0000	-0.0027	0.0000	0.0056
2	10.792	0.0000	-0.0026	0.0000	0.0060
	18.708	0.0000	-0.0026	0.0000	0.0059
4	26.625	0.0000	-0.0034	0.0000	0.0067
	37.823	0.0001	-0.0076	0.0001	0.0109
6	49.022	-0.0002	-0.0044	0.0003	0.0151
	56.938	-0.0015	0.0032	0.0005	0.0152
8	64.855	0.0002	0.0124	0.0007	0.0147
10	71.105	-0.0771	-3.6473	0.0006	0.0150
Area		-0.1472	-6.7764	0.0156	0.7347

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.988	-0.988	0.225	0.225
Topping	-0.169	-0.169	0.018	0.018
Linear loads	-1.286	-1.286	0.009	0.009
Live load (incl. reduction factor)				
Vehicle(s)	0.067	-0.588	0.109	0.109
Total	-2.376	-3.031	0.361	0.361

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
59.94 61.44 65.94 67.44

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
60.69 62.19 66.69 68.19

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 31
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 5 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0000	-0.0007	0.0000	0.0010
2	10.792	0.0000	-0.0007	0.0000	0.0011
	18.708	0.0000	-0.0007	0.0000	0.0011
4	26.625	0.0000	-0.0009	0.0000	0.0012
	37.823	0.0000	-0.0020	0.0000	0.0021
6	49.022	0.0000	-0.0012	0.0000	0.0028
	56.938	-0.0004	0.0008	0.0001	0.0029
8	64.855	0.0001	0.0032	0.0001	0.0028
10	71.105	-0.0367	-1.6618	0.0001	0.0028
Area		-0.0290	-1.4055	0.0029	0.1382

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.160	-0.160	0.042	0.042
Topping	-0.035	-0.035	0.003	0.003
Linear loads	-0.409	-0.409	0.002	0.002
Live load (incl. reduction factor)				
Vehicle(s)	0.046	-0.049	0.020	0.016
Total	-0.558	-0.653	0.068	0.064

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
60.69 62.19 66.69 68.19

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
53.27 54.77 59.27 60.77

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 32
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 6 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0101	0.7395	-0.0162	-0.9760
2	10.792	0.0062	0.5275	-0.0024	-0.2044
	18.708	0.0007	0.1225	0.0050	0.2642
4	26.625	-0.0033	-0.2100	0.0032	0.2377
	37.823	-0.0029	-0.2263	0.0004	0.0520
6	49.022	-0.0017	-0.1784	0.0001	0.0050
	56.938	-0.0014	-0.1624	0.0000	0.0006
8	64.855	-0.0014	-0.1550	0.0000	0.0013
10	71.105	-0.0014	-0.1501	0.0000	0.0013
Area		0.0106	0.6817	-0.0337	-1.9956

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.167	-1.167	0.109	0.109
Topping	0.017	0.017	-0.050	-0.050
Linear loads	0.253	0.253	-0.407	-0.407
Live load (incl. reduction factor)				
Vehicle(s)	1.330	-0.576	-1.349	0.372
Total	0.434	-1.472	-1.697	0.025

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
26.21 27.71 32.21 33.71

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 33
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 6 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0085	0.6475	-0.0144	-0.8732
2	10.792	0.0053	0.4546	-0.0013	-0.1381
	18.708	0.0006	0.0999	0.0056	0.3022
4	26.625	-0.0028	-0.1845	0.0034	0.2492
	37.823	-0.0025	-0.1940	0.0002	0.0383
6	49.022	-0.0014	-0.1519	-0.0001	-0.0107
	56.938	-0.0012	-0.1382	-0.0001	-0.0142
8	64.855	-0.0012	-0.1319	-0.0001	-0.0127
10	71.105	-0.0012	-0.1278	-0.0001	-0.0123
Area		0.0086	0.6247	-0.0127	-0.9973

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.637	-0.637	0.381	0.381
Topping	0.016	0.016	-0.025	-0.025
Linear loads	0.223	0.223	-0.368	-0.368
Live load (incl. reduction factor)				
Vehicle(s)	1.124	-0.492	-1.107	0.380
Total	0.726	-0.890	-1.120	0.368

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
26.21 27.71 32.21 33.71

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 34
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 6 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0008	0.0420	-0.0054	-0.2763
2	10.792	-0.0002	-0.0178	0.0033	0.2282
	18.708	-0.0006	-0.0482	0.0078	0.4840
4	26.625	-0.0002	-0.0221	0.0037	0.2596
	37.823	0.0003	0.0182	-0.0017	-0.0979
6	49.022	0.0002	0.0219	-0.0014	-0.1453
	56.938	0.0002	0.0208	-0.0012	-0.1398
8	64.855	0.0002	0.0197	-0.0012	-0.1321
10	71.105	0.0002	0.0191	-0.0012	-0.1279
Area		0.0044	0.2468	0.0443	2.0067

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.813	0.813	1.119	1.119
Topping	0.006	0.006	0.050	0.050
Linear loads	0.025	0.025	-0.163	-0.163
Live load (incl. reduction factor)				
Vehicle(s)	0.036	-0.087	-0.016	1.126
Total	0.881	0.758	0.990	2.132

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.21 18.71 23.21 24.71

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 35
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 7 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0016	0.1749	-0.0027	-0.2932
2	10.792	0.0017	0.1860	-0.0028	-0.3118
	18.708	0.0017	0.1962	-0.0028	-0.3302
4	26.625	0.0020	0.2146	-0.0033	-0.3525
	37.823	0.0037	0.2535	-0.0056	-0.3279
6	49.022	0.0027	0.1543	0.0012	0.1792
	56.938	-0.0024	-0.2306	0.0078	0.5951
8	64.855	-0.0066	-0.5746	0.0060	0.5493
10	71.105	-0.0075	-0.6282	0.0037	0.4098
Area		0.0376	2.8604	-0.0357	-2.7760

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.937	-0.937	0.098	0.098
Topping	0.071	0.071	-0.069	-0.069
Linear loads	-0.197	-0.197	0.058	0.058
Live load (incl. reduction factor)				
Vehicle(s)	0.650	-1.054	-0.777	1.035
Total	-0.413	-2.117	-0.690	1.122

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
37.44 38.94 43.44 44.94

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
60.69 62.19 66.69 68.19

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 36
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 7 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0014	0.1530	-0.0025	-0.2658
2	10.792	0.0015	0.1627	-0.0025	-0.2826
	18.708	0.0015	0.1716	-0.0026	-0.2993
4	26.625	0.0018	0.1878	-0.0030	-0.3190
	37.823	0.0031	0.2223	-0.0049	-0.2902
6	49.022	0.0023	0.1314	0.0019	0.1977
	56.938	-0.0021	-0.2052	0.0080	0.5888
8	64.855	-0.0057	-0.4993	0.0058	0.5156
10	71.105	-0.0064	-0.5419	0.0031	0.3555
Area		0.0318	2.4948	-0.0128	-1.6241

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.441	-0.441	0.386	0.386
Topping	0.062	0.062	-0.041	-0.041
Linear loads	-0.169	-0.169	0.047	0.047
Live load (incl. reduction factor)				
Vehicle(s)	0.542	-0.905	-0.640	1.003
Total	-0.006	-1.453	-0.247	1.395

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
37.44 38.94 43.44 44.94

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
60.69 62.19 66.69 68.19

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 37
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 7 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0002	0.0178	-0.0011	-0.1190
2	10.792	0.0002	0.0189	-0.0011	-0.1264
	18.708	0.0002	0.0200	-0.0011	-0.1343
4	26.625	0.0002	0.0212	-0.0013	-0.1400
	37.823	0.0003	0.0176	-0.0017	-0.0927
6	49.022	-0.0002	-0.0228	0.0038	0.2650
	56.938	-0.0006	-0.0489	0.0079	0.4895
8	64.855	-0.0002	-0.0185	0.0034	0.2338
10	71.105	0.0004	0.0161	-0.0019	-0.0584
Area		0.0021	0.1480	0.0591	2.5948

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.793	0.793	1.258	1.258
Topping	0.004	0.004	0.065	0.065
Linear loads	0.013	0.013	-0.063	-0.063
Live load (incl. reduction factor)				
Vehicle(s)	0.046	-0.088	-0.262	1.135
Total	0.856	0.722	0.998	2.395

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
31.82 33.32 37.82 39.32

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
50.94 52.44 56.94 58.44

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 38
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 8 section top

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.1459	-8.6282	-0.0270	-1.1633
2	10.792	-0.0216	-1.6762	-0.0213	-0.8153
	18.708	0.0414	2.2767	-0.0121	-0.5432
4	26.625	0.0230	1.8364	-0.0035	-0.2814
	37.823	0.0009	0.2999	0.0007	-0.0043
6	49.022	-0.0006	-0.0647	0.0005	0.0527
	56.938	-0.0005	-0.0917	0.0004	0.0543
8	64.855	-0.0006	-0.0815	0.0004	0.0507
10	71.105	-0.0007	-0.0786	0.0004	0.0489
Area		-0.4359	-23.8759	-0.4490	-19.2456

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-2.403	-2.403	-3.099	-3.099
Topping	-0.597	-0.597	-0.481	-0.481
Linear loads	-3.631	-3.631	-0.481	-0.481
Live load (incl. reduction factor)				
Vehicle(s)	5.939	-12.161	-1.643	-4.041
Total	-0.692	-18.792	-5.703	-8.102

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.21 18.71 23.21 24.71

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 39
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 8 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.1299	-7.7559	-0.0246	-1.0639
2	10.792	-0.0189	-1.4683	-0.0191	-0.7459
	18.708	0.0370	2.0780	-0.0110	-0.4933
4	26.625	0.0204	1.6448	-0.0032	-0.2502
	37.823	0.0006	0.2493	0.0007	0.0017
6	49.022	-0.0007	-0.0763	0.0005	0.0523
	56.938	-0.0006	-0.0991	0.0004	0.0534
8	64.855	-0.0007	-0.0891	0.0004	0.0498
10	71.105	-0.0007	-0.0860	0.0004	0.0481
Area		-0.3896	-21.6000	-0.4047	-17.3393

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-2.326	-2.326	-2.705	-2.705
Topping	-0.540	-0.540	-0.433	-0.433
Linear loads	-3.270	-3.270	-0.438	-0.438
Live load (incl. reduction factor)				
Vehicle(s)	5.312	-10.772	-1.486	-3.662
Total	-0.823	-16.907	-5.063	-7.238

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.21 18.71 23.21 24.71

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 40
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 8 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0672	-4.1078	-0.0138	-0.6401
2	10.792	-0.0078	-0.5993	-0.0105	-0.4484
	18.708	0.0206	1.2473	-0.0059	-0.2780
4	26.625	0.0100	0.8451	-0.0015	-0.1145
	37.823	-0.0009	0.0385	0.0007	0.0299
6	49.022	-0.0012	-0.1252	0.0005	0.0525
	56.938	-0.0010	-0.1307	0.0004	0.0511
8	64.855	-0.0010	-0.1216	0.0004	0.0480
10	71.105	-0.0010	-0.1177	0.0004	0.0464
Area		-0.2099	-12.0768	-0.2117	-9.0797

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-2.001	-2.001	-0.973	-0.973
Topping	-0.302	-0.302	-0.227	-0.227
Linear loads	-1.758	-1.758	-0.256	-0.256
Live load (incl. reduction factor)				
Vehicle(s)	2.886	-5.341	-0.789	-2.041
Total	-1.175	-9.402	-2.245	-3.497

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.21 18.71 23.21 24.71

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 41
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 8 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0090	-0.4986	-0.0041	-0.2327
2	10.792	0.0030	0.2604	-0.0030	-0.1666
	18.708	0.0057	0.4264	-0.0014	-0.0824
4	26.625	0.0000	0.0560	0.0000	-0.0020
	37.823	-0.0026	-0.1693	0.0006	0.0400
6	49.022	-0.0016	-0.1744	0.0004	0.0395
	56.938	-0.0014	-0.1632	0.0003	0.0368
8	64.855	-0.0014	-0.1549	0.0003	0.0350
10	71.105	-0.0014	-0.1500	0.0003	0.0338
Area		-0.0444	-2.6496	-0.0445	-1.9673

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.679	-1.679	0.426	0.426
Topping	-0.066	-0.066	-0.049	-0.049
Linear loads	-0.264	-0.264	-0.086	-0.086
Live load (incl. reduction factor)				
Vehicle(s)	0.805	-0.283	-0.248	-0.590
Total	-1.204	-2.292	0.043	-0.300

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
14.88 16.38 20.88 22.38

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 42
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 9 section top

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0141	-2.3394	0.0070	0.4619
2	10.792	-0.0455	-4.3902	0.0002	0.1349
	18.708	-0.0644	-5.0137	-0.0089	-0.1185
4	26.625	-0.0089	-1.5396	-0.0168	-0.3438
	37.823	0.0524	3.0316	-0.0123	-0.4991
6	49.022	0.0309	3.2669	-0.0042	-0.4351
	56.938	0.0261	3.0732	-0.0032	-0.4004
8	64.855	0.0259	2.9141	-0.0033	-0.3789
10	71.105	0.0258	2.8204	-0.0034	-0.3651
Area		0.3027	12.8604	-0.4314	-17.4619

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	2.264	2.264	-3.027	-3.027
Topping	0.321	0.321	-0.436	-0.436
Linear loads	0.155	0.155	0.032	0.032
Live load (incl. reduction factor)				
Vehicle(s)	7.836	-9.898	-1.708	-1.055
Total	10.577	-7.158	-5.140	-4.487

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
36.32 37.82 42.32 43.82

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
12.71 14.21 18.71 20.21

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 43
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 9 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0121	-2.0538	0.0065	0.4330
2	10.792	-0.0405	-3.9234	0.0003	0.1339
	18.708	-0.0576	-4.5235	-0.0079	-0.1022
4	26.625	-0.0084	-1.4098	-0.0150	-0.3125
	37.823	0.0465	2.7247	-0.0111	-0.4551
6	49.022	0.0277	2.9381	-0.0038	-0.3971
	56.938	0.0235	2.7637	-0.0029	-0.3657
8	64.855	0.0233	2.6206	-0.0030	-0.3462
10	71.105	0.0232	2.5365	-0.0031	-0.3337
Area		0.2703	11.6980	-0.3885	-15.7178

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	2.194	2.194	-2.644	-2.644
Topping	0.292	0.292	-0.393	-0.393
Linear loads	0.161	0.161	0.034	0.034
Live load (incl. reduction factor)				
Vehicle(s)	6.979	-8.847	-1.551	-0.942
Total	9.626	-6.200	-4.554	-3.945

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
36.32 37.82 42.32 43.82

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
12.71 14.21 18.71 20.21

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 44
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 9 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0035	-0.8693	0.0044	0.3131
2	10.792	-0.0200	-1.9821	0.0007	0.1311
	18.708	-0.0309	-2.4842	-0.0039	-0.0311
4	26.625	-0.0062	-0.8769	-0.0079	-0.1778
	37.823	0.0239	1.4415	-0.0061	-0.2659
6	49.022	0.0148	1.5736	-0.0023	-0.2325
	56.938	0.0126	1.4812	-0.0018	-0.2145
8	64.855	0.0125	1.4044	-0.0018	-0.2035
10	71.105	0.0124	1.3595	-0.0018	-0.1963
Area		0.1467	6.8052	-0.2017	-8.1213

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	1.903	1.903	-0.950	-0.950
Topping	0.170	0.170	-0.203	-0.203
Linear loads	0.185	0.185	0.046	0.046
Live load (incl. reduction factor)				
Vehicle(s)	3.610	-4.660	-0.864	-0.436
Total	5.869	-2.402	-1.971	-1.543

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
36.32 37.82 42.32 43.82

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
12.71 14.21 18.71 20.21

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 45
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 9 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0053	0.2929	0.0022	0.1644
2	10.792	0.0000	-0.0725	0.0009	0.1003
	18.708	-0.0060	-0.4779	-0.0006	0.0178
4	26.625	-0.0039	-0.3593	-0.0020	-0.0592
	37.823	0.0030	0.1720	-0.0017	-0.0894
6	49.022	0.0022	0.2344	-0.0007	-0.0772
	56.938	0.0019	0.2241	-0.0006	-0.0712
8	64.855	0.0019	0.2119	-0.0006	-0.0676
10	71.105	0.0019	0.2052	-0.0006	-0.0654
Area		0.0345	1.9346	-0.0410	-1.6343

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	1.615	1.615	0.425	0.425
Topping	0.048	0.048	-0.041	-0.041
Linear loads	0.209	0.209	0.042	0.042
Live load (incl. reduction factor)				
Vehicle(s)	0.354	-0.920	0.244	-0.245
Total	2.226	0.953	0.669	0.181

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
19.54 21.04 25.54 27.04

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 46
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 10 section top

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0243	-2.6174	-0.0033	-0.3405
2	10.792	-0.0247	-2.7836	-0.0032	-0.3648
	18.708	-0.0250	-2.9476	-0.0031	-0.3870
4	26.625	-0.0298	-3.1463	-0.0041	-0.4222
	37.823	-0.0514	-2.9171	-0.0122	-0.4869
6	49.022	0.0100	1.6567	-0.0167	-0.3312
	56.938	0.0656	5.1340	-0.0088	-0.1051
8	64.855	0.0468	4.5139	0.0003	0.1490
10	71.105	0.0280	3.3281	0.0045	0.3386
Area		-0.4315	-29.3814	-0.4643	-19.9339

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-2.322	-2.322	-3.105	-3.105
Topping	-0.734	-0.734	-0.498	-0.498
Linear loads	0.370	0.370	-0.011	-0.011
Live load (incl. reduction factor)				
Vehicle(s)	10.108	-7.660	-1.038	-1.690
Total	7.422	-10.346	-4.652	-5.304

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
55.44 56.94 61.44 62.94

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
31.82 33.32 37.82 39.32

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 47
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 10 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0219	-2.3542	-0.0030	-0.3113
2	10.792	-0.0222	-2.5035	-0.0029	-0.3334
	18.708	-0.0225	-2.6509	-0.0028	-0.3534
4	26.625	-0.0268	-2.8299	-0.0037	-0.3854
	37.823	-0.0456	-2.6220	-0.0110	-0.4441
6	49.022	0.0094	1.5150	-0.0149	-0.3013
	56.938	0.0587	4.6315	-0.0079	-0.0902
8	64.855	0.0416	4.0345	0.0004	0.1465
10	71.105	0.0247	2.9534	0.0042	0.3199
Area		-0.3838	-26.3649	-0.4190	-18.0359

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-2.229	-2.229	-2.723	-2.723
Topping	-0.659	-0.659	-0.451	-0.451
Linear loads	0.316	0.316	-0.006	-0.006
Live load (incl. reduction factor)				
Vehicle(s)	9.035	-6.820	-0.927	-1.534
Total	6.463	-9.392	-4.107	-4.714

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
55.44 56.94 61.44 62.94

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
31.82 33.32 37.82 39.32

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 48
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 10 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0117	-1.2628	-0.0018	-0.1830
2	10.792	-0.0119	-1.3424	-0.0017	-0.1956
	18.708	-0.0121	-1.4216	-0.0017	-0.2070
4	26.625	-0.0143	-1.5165	-0.0022	-0.2254
	37.823	-0.0234	-1.3872	-0.0061	-0.2594
6	49.022	0.0067	0.9324	-0.0078	-0.1713
	56.938	0.0315	2.5414	-0.0039	-0.0243
8	64.855	0.0206	2.0410	0.0008	0.1383
10	71.105	0.0108	1.3973	0.0030	0.2438
Area		-0.1960	-13.7793	-0.2222	-9.7407

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.838	-1.838	-1.023	-1.023
Topping	-0.344	-0.344	-0.243	-0.243
Linear loads	0.090	0.090	0.021	0.021
Live load (incl. reduction factor)				
Vehicle(s)	4.757	-3.527	-0.426	-0.854
Total	2.665	-5.619	-1.672	-2.099

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
55.44 56.94 61.44 62.94

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
31.82 33.32 37.82 39.32

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 49
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 10 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.0018	-0.1923	-0.0006	-0.0606
2	10.792	-0.0018	-0.2041	-0.0006	-0.0646
	18.708	-0.0018	-0.2167	-0.0006	-0.0682
4	26.625	-0.0021	-0.2274	-0.0007	-0.0744
	37.823	-0.0029	-0.1654	-0.0017	-0.0869
6	49.022	0.0040	0.3661	-0.0019	-0.0566
	56.938	0.0061	0.4851	-0.0005	0.0204
8	64.855	0.0000	0.0801	0.0010	0.1031
10	71.105	-0.0031	-0.1316	0.0017	0.1402
Area		-0.0196	-1.3586	-0.0506	-2.4149

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.453	-1.453	0.380	0.380
Topping	-0.034	-0.034	-0.060	-0.060
Linear loads	-0.132	-0.132	0.033	0.033
Live load (incl. reduction factor)				
Vehicle(s)	0.929	-0.462	-0.240	-0.220
Total	-0.690	-2.081	0.112	0.133

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
48.61 50.11 54.61 56.11

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
30.32 31.82 36.32 37.82

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 50
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 11 section top

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0008	0.0856	0.0004	0.0470
2	10.792	0.0007	0.0903	0.0004	0.0501
	18.708	0.0006	0.1005	0.0004	0.0538
4	26.625	0.0007	0.0737	0.0005	0.0523
	37.823	-0.0008	-0.2908	0.0007	-0.0045
6	49.022	-0.0228	-1.8265	-0.0035	-0.2816
	56.938	-0.0412	-2.2672	-0.0121	-0.5436
8	64.855	0.0219	1.6857	-0.0212	-0.8159
10	71.105	0.0984	5.7138	-0.0251	-1.0174
Area		-0.0987	-7.6585	-0.3296	-14.1067

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.831	-0.831	-2.558	-2.558
Topping	-0.191	-0.191	-0.353	-0.353
Linear loads	2.349	2.349	-0.417	-0.417
Live load (incl. reduction factor)				
Vehicle(s)	3.617	-5.909	-3.473	-1.638
Total	4.943	-4.583	-6.801	-4.966

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
60.69 62.19 66.69 68.19

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
50.94 52.44 56.94 58.44

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 51
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 11 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0009	0.0911	0.0004	0.0456
2	10.792	0.0007	0.0962	0.0004	0.0486
	18.708	0.0007	0.1062	0.0004	0.0523
4	26.625	0.0007	0.0836	0.0005	0.0513
	37.823	-0.0005	-0.2418	0.0007	0.0007
6	49.022	-0.0203	-1.6366	-0.0032	-0.2512
	56.938	-0.0369	-2.0702	-0.0110	-0.4945
8	64.855	0.0192	1.4761	-0.0192	-0.7473
10	71.105	0.0872	5.1192	-0.0229	-0.9313
Area		-0.0855	-6.6950	-0.2969	-12.6773

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.587	-0.587	-2.224	-2.224
Topping	-0.167	-0.167	-0.317	-0.317
Linear loads	2.109	2.109	-0.381	-0.381
Live load (incl. reduction factor)				
Vehicle(s)	3.161	-5.287	-3.149	-1.485
Total	4.516	-3.933	-6.071	-4.407

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
60.69 62.19 66.69 68.19

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
50.94 52.44 56.94 58.44

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 52
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 11 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0011	0.1148	0.0004	0.0426
2	10.792	0.0010	0.1216	0.0004	0.0454
	18.708	0.0010	0.1308	0.0004	0.0486
4	26.625	0.0012	0.1254	0.0005	0.0501
	37.823	0.0010	-0.0380	0.0007	0.0274
6	49.022	-0.0100	-0.8442	-0.0015	-0.1172
	56.938	-0.0206	-1.2466	-0.0059	-0.2808
8	64.855	0.0079	0.5999	-0.0106	-0.4513
10	71.105	0.0439	2.6327	-0.0129	-0.5623
Area		-0.0334	-2.6706	-0.1523	-6.3340

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.434	0.434	-0.717	-0.717
Topping	-0.067	-0.067	-0.158	-0.158
Linear loads	1.106	1.106	-0.223	-0.223
Live load (incl. reduction factor)				
Vehicle(s)	1.316	-2.880	-1.749	-0.795
Total	2.789	-1.407	-2.848	-1.893

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
60.69 62.19 66.69 68.19

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
50.94 52.44 56.94 58.44

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 53
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 11 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.0013	0.1390	0.0003	0.0310
2	10.792	0.0013	0.1477	0.0003	0.0330
	18.708	0.0013	0.1563	0.0003	0.0349
4	26.625	0.0016	0.1678	0.0004	0.0376
	37.823	0.0025	0.1630	0.0006	0.0381
6	49.022	0.0000	-0.0624	0.0000	-0.0040
	56.938	-0.0058	-0.4328	-0.0014	-0.0844
8	64.855	-0.0030	-0.2669	-0.0030	-0.1687
10	71.105	0.0040	0.1727	-0.0038	-0.2070
Area		0.0165	1.3071	-0.0270	-0.9615

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	1.443	1.443	0.506	0.506
Topping	0.033	0.033	-0.024	-0.024
Linear loads	0.115	0.115	-0.076	-0.076
Live load (incl. reduction factor)				
Vehicle(s)	0.382	-0.818	0.088	-0.253
Total	1.973	0.773	0.494	0.153

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
31.82 33.32 37.82 39.32

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
53.27 54.77 59.27 60.77

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 54
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

LOAD ON THE WEBS

WEB	S.W.
1	5.50
2	5.43
3	5.25
4	5.22

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 55
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Summary of the results (Maximum)

Section	--- Deadload ---		----- P.T. ------		--- Live load ---	
	Moment	Ax.Frc	Moment	Ax.Frc	Moment	Ax.Frc
1 a	-3.62	0.35	0.00	0.00	0.27	0.11
1 b	-7.11	0.78	0.00	0.00	0.13	0.27
1 c	-11.91	1.48	0.00	0.00	-0.01	0.01
1 right	-13.26	1.69	0.00	0.00	-0.01	0.02
2 left	-6.63	2.28	0.00	0.00	0.09	0.00
2 a	-5.69	2.07	0.00	0.00	0.43	1.45
2 b	-0.81	0.90	0.00	0.00	3.46	-0.21
2 c	-0.16	0.67	0.00	0.00	3.74	-0.51
2 right	-4.78	1.22	0.00	0.00	1.80	0.99
3 left	-7.52	1.10	0.00	0.00	5.23	0.80
3 a	-6.39	0.85	0.00	0.00	5.27	0.73
3 b	0.13	-0.62	0.00	0.00	5.00	0.18
3 c	2.24	-1.25	0.00	0.00	4.78	-0.19
3 right	-7.99	0.35	0.00	0.00	5.43	0.61
4 left	-5.30	0.49	0.00	0.00	1.82	0.83
4 a	-4.42	0.32	0.00	0.00	2.36	0.65
4 b	0.00	-0.48	0.00	0.00	3.89	-0.31
4 c	0.45	-0.52	0.00	0.00	3.76	-0.74
4 right	-4.89	0.79	0.00	0.00	0.12	0.01
5 left	-6.22	0.83	0.00	0.00	-0.01	0.02
5 a	-5.21	0.66	0.00	0.00	-0.01	0.02
5 b	-2.44	0.25	0.00	0.00	0.07	0.11
5 c	-0.60	0.05	0.00	0.00	0.05	0.02
6 a	-0.90	-0.35	0.00	0.00	1.33	-1.35
6 b	-0.40	-0.01	0.00	0.00	1.12	-1.11
6 c	0.84	1.01	0.00	0.00	0.04	-0.02
7 a	-1.06	0.09	0.00	0.00	0.65	-0.78
7 b	-0.55	0.39	0.00	0.00	0.54	-0.64
7 c	0.81	1.26	0.00	0.00	0.05	-0.26
8 top	-6.63	-4.06	0.00	0.00	5.94	-1.64
8 a	-6.14	-3.58	0.00	0.00	5.31	-1.49
8 b	-4.06	-1.46	0.00	0.00	2.89	-0.79
8 c	-2.01	0.29	0.00	0.00	0.81	-0.25
9 top	2.74	-3.43	0.00	0.00	7.84	-1.71
9 a	2.65	-3.00	0.00	0.00	6.98	-1.55
9 b	2.26	-1.11	0.00	0.00	3.61	-0.86
9 c	1.87	0.43	0.00	0.00	0.35	0.24
10 top	-2.69	-3.61	0.00	0.00	10.11	-1.04
10 a	-2.57	-3.18	0.00	0.00	9.03	-0.93
10 b	-2.09	-1.25	0.00	0.00	4.76	-0.43
10 c	-1.62	0.35	0.00	0.00	0.93	-0.24
11 top	1.33	-3.33	0.00	0.00	3.62	-3.47
11 a	1.35	-2.92	0.00	0.00	3.16	-3.15
11 b	1.47	-1.10	0.00	0.00	1.32	-1.75
11 c	1.59	0.41	0.00	0.00	0.38	0.09

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 56
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Summary of the results (Minimum)

Section	--- Deadload ----		----- P.T. ------		--- Live load ---	
	Moment	Ax.Frc	Moment	Ax.Frc	Moment	Ax.Frc
1 a	-3.62	0.35	0.00	0.00	-2.33	0.11
1 b	-7.11	0.78	0.00	0.00	-6.78	0.26
1 c	-11.91	1.48	0.00	0.00	-11.92	0.53
1 right	-13.26	1.69	0.00	0.00	-13.76	0.62
2 left	-6.63	2.28	0.00	0.00	-6.60	-0.24
2 a	-5.69	2.07	0.00	0.00	-5.80	-0.29
2 b	-0.81	0.90	0.00	0.00	-0.67	0.92
2 c	-0.16	0.67	0.00	0.00	-0.63	0.55
2 right	-4.78	1.22	0.00	0.00	-5.61	-0.65
3 left	-7.52	1.10	0.00	0.00	-9.97	0.06
3 a	-6.39	0.85	0.00	0.00	-9.22	0.02
3 b	0.13	-0.62	0.00	0.00	-3.50	-0.23
3 c	2.24	-1.25	0.00	0.00	-0.28	-0.24
3 right	-7.99	0.35	0.00	0.00	-9.77	0.04
4 left	-5.30	0.49	0.00	0.00	-5.61	-0.92
4 a	-4.42	0.32	0.00	0.00	-4.90	-0.94
4 b	0.00	-0.48	0.00	0.00	-1.05	0.44
4 c	0.45	-0.52	0.00	0.00	-0.78	0.33
4 right	-4.89	0.79	0.00	0.00	-6.56	-0.43
5 left	-6.22	0.83	0.00	0.00	-4.84	0.36
5 a	-5.21	0.66	0.00	0.00	-3.70	0.29
5 b	-2.44	0.25	0.00	0.00	-0.59	0.11
5 c	-0.60	0.05	0.00	0.00	-0.05	0.02
6 a	-0.90	-0.35	0.00	0.00	-0.58	0.37
6 b	-0.40	-0.01	0.00	0.00	-0.49	0.38
6 c	0.84	1.01	0.00	0.00	-0.09	1.13
7 a	-1.06	0.09	0.00	0.00	-1.05	1.04
7 b	-0.55	0.39	0.00	0.00	-0.90	1.00
7 c	0.81	1.26	0.00	0.00	-0.09	1.14
8 top	-6.63	-4.06	0.00	0.00	-12.16	-4.04
8 a	-6.14	-3.58	0.00	0.00	-10.77	-3.66
8 b	-4.06	-1.46	0.00	0.00	-5.34	-2.04
8 c	-2.01	0.29	0.00	0.00	-0.28	-0.59
9 top	2.74	-3.43	0.00	0.00	-9.90	-1.06
9 a	2.65	-3.00	0.00	0.00	-8.85	-0.94
9 b	2.26	-1.11	0.00	0.00	-4.66	-0.44
9 c	1.87	0.43	0.00	0.00	-0.92	-0.24
10 top	-2.69	-3.61	0.00	0.00	-7.66	-1.69
10 a	-2.57	-3.18	0.00	0.00	-6.82	-1.53
10 b	-2.09	-1.25	0.00	0.00	-3.53	-0.85
10 c	-1.62	0.35	0.00	0.00	-0.46	-0.22
11 top	1.33	-3.33	0.00	0.00	-5.91	-1.64
11 a	1.35	-2.92	0.00	0.00	-5.29	-1.48
11 b	1.47	-1.10	0.00	0.00	-2.88	-0.79
11 c	1.59	0.41	0.00	0.00	-0.82	-0.25

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 1
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

The calculation of the influence lines has been ended at the following harmonics

slab	section	moment	axial force
1	A	51	51
1	B	51	51
1	C	51	51
1	RIGHT	51	51
2	LEFT	51	51
2	A	51	51
2	B	51	51
2	C	51	45
2	RIGHT	51	51
3	LEFT	51	51
3	A	51	51
3	B	51	51
3	C	51	43
3	RIGHT	51	51
4	LEFT	51	51
4	A	51	51
4	B	51	41
4	C	51	45
4	RIGHT	51	51
5	LEFT	51	51
5	A	51	51
5	B	51	51
5	C	51	51
6	A	33	45
6	B	31	45
6	C	31	33
7	A	45	39
7	B	39	39
7	C	39	33
8	TOP	51	51
8	A	51	51
8	B	25	51
8	C	45	45
9	TOP	51	51
9	A	51	51
9	B	25	51
9	C	45	51
10	TOP	51	51
10	A	51	51
10	B	25	51
10	C	45	51
11	TOP	51	51
11	A	51	51
11	B	45	51
11	C	51	51

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 1
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 1 section a appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.10298	-5.19599	0.00058	0.02212
2	5.208	0.00409	0.00943	0.00060	0.02163
3	7.708	0.00126	0.00788	0.00063	0.02141
4	10.208	0.00026	0.00646	0.00068	0.02119
5	10.792	0.00011	0.00613	0.00069	0.02114
6	11.375	-0.00002	0.00580	0.00070	0.02110
7	16.375	-0.00058	0.00289	0.00066	0.02141
8	18.708	-0.00054	0.00155	0.00057	0.02188
9	21.042	-0.00037	0.00034	0.00047	0.02221
10	26.042	-0.00008	-0.00192	0.00035	0.02177
11	26.625	-0.00007	-0.00216	0.00034	0.02161
12	27.208	-0.00005	-0.00239	0.00034	0.02145
13	32.208	0.00004	-0.00389	0.00027	0.01929
14	37.823	0.00006	-0.00368	0.00016	0.01457
15	43.438	0.00002	-0.00234	0.00005	0.00984
16	48.438	-0.00001	-0.00163	0.00003	0.00765
17	49.022	-0.00001	-0.00158	0.00002	0.00748
18	49.605	-0.00001	-0.00154	0.00002	0.00732
19	54.605	-0.00001	-0.00123	0.00001	0.00642
20	56.938	-0.00001	-0.00116	0.00000	0.00634
21	59.272	-0.00001	-0.00115	0.00000	0.00643
22	64.272	-0.00001	-0.00118	0.00000	0.00648
23	64.855	-0.00001	-0.00118	0.00000	0.00645
24	65.438	-0.00001	-0.00119	0.00001	0.00642
25	67.438	-0.00001	-0.00120	0.00001	0.00632
26	69.438	-0.00001	-0.00120	0.00002	0.00623
27	71.105	-0.00001	-0.00121	0.00002	0.00615

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 2
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 1 section b appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.15110	-7.68276	0.00141	0.04963
2	5.208	-0.05052	-2.48076	0.00146	0.04857
3	7.708	0.00333	0.01650	0.00153	0.04808
4	10.208	0.00062	0.01348	0.00161	0.04760
5	10.792	0.00025	0.01280	0.00163	0.04750
6	11.375	-0.00008	0.01212	0.00165	0.04740
7	16.375	-0.00149	0.00615	0.00153	0.04810
8	18.708	-0.00135	0.00340	0.00132	0.04913
9	21.042	-0.00090	0.00091	0.00109	0.04985
10	26.042	-0.00018	-0.00376	0.00079	0.04888
11	26.625	-0.00014	-0.00426	0.00078	0.04854
12	27.208	-0.00011	-0.00475	0.00077	0.04819
13	32.208	0.00011	-0.00788	0.00062	0.04341
14	37.823	0.00013	-0.00749	0.00036	0.03299
15	43.438	0.00004	-0.00477	0.00014	0.02257
16	48.438	-0.00001	-0.00331	0.00007	0.01773
17	49.022	-0.00001	-0.00321	0.00007	0.01737
18	49.605	-0.00001	-0.00312	0.00007	0.01702
19	54.605	-0.00003	-0.00248	0.00004	0.01503
20	56.938	-0.00003	-0.00234	0.00002	0.01483
21	59.272	-0.00002	-0.00232	0.00001	0.01502
22	64.272	-0.00002	-0.00239	0.00002	0.01510
23	64.855	-0.00002	-0.00239	0.00002	0.01504
24	65.438	-0.00002	-0.00240	0.00002	0.01498
25	67.438	-0.00002	-0.00242	0.00003	0.01476
26	69.438	-0.00001	-0.00243	0.00005	0.01456
27	71.105	-0.00001	-0.00245	0.00005	0.01438

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 3
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 1 section c appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.19298	-10.14134	0.00292	0.09274
2	5.208	-0.09949	-4.94931	0.00302	0.09083
3	7.708	-0.05045	-2.45705	0.00310	0.08994
4	10.208	0.00206	0.03545	0.00320	0.08909
5	10.792	0.00072	0.03361	0.00325	0.08889
6	11.375	-0.00039	0.03179	0.00329	0.08872
7	16.375	-0.00485	0.01613	0.00299	0.08999
8	18.708	-0.00437	0.00893	0.00257	0.09188
9	21.042	-0.00283	0.00236	0.00210	0.09320
10	26.042	-0.00053	-0.00997	0.00151	0.09141
11	26.625	-0.00040	-0.01129	0.00148	0.09079
12	27.208	-0.00029	-0.01259	0.00146	0.09014
13	32.208	0.00036	-0.02087	0.00118	0.08138
14	37.823	0.00039	-0.01987	0.00070	0.06235
15	43.438	0.00011	-0.01274	0.00029	0.04329
16	48.438	-0.00002	-0.00889	0.00016	0.03448
17	49.022	-0.00003	-0.00863	0.00016	0.03381
18	49.605	-0.00004	-0.00838	0.00016	0.03317
19	54.605	-0.00007	-0.00669	0.00010	0.02952
20	56.938	-0.00008	-0.00629	0.00007	0.02912
21	59.272	-0.00007	-0.00624	0.00005	0.02944
22	64.272	-0.00005	-0.00641	0.00006	0.02956
23	64.855	-0.00005	-0.00643	0.00007	0.02945
24	65.438	-0.00005	-0.00644	0.00007	0.02933
25	67.438	-0.00004	-0.00648	0.00009	0.02894
26	69.438	-0.00004	-0.00653	0.00011	0.02856
27	71.105	-0.00003	-0.00657	0.00013	0.02825

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 4
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 1 section right appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.20253	-10.70968	0.00341	0.10551
2	5.208	-0.11063	-5.52128	0.00352	0.10335
3	7.708	-0.06258	-3.03077	0.00360	0.10236
4	10.208	-0.01159	-0.54009	0.00373	0.10140
5	10.792	0.00104	0.04121	0.00379	0.10118
6	11.375	-0.00050	0.03896	0.00384	0.10098
7	16.375	-0.00623	0.01978	0.00344	0.10242
8	18.708	-0.00562	0.01097	0.00296	0.10455
9	21.042	-0.00364	0.00292	0.00241	0.10604
10	26.042	-0.00066	-0.01219	0.00173	0.10401
11	26.625	-0.00050	-0.01381	0.00169	0.10332
12	27.208	-0.00035	-0.01541	0.00166	0.10258
13	32.208	0.00046	-0.02558	0.00135	0.09267
14	37.823	0.00050	-0.02437	0.00080	0.07113
15	43.438	0.00014	-0.01564	0.00033	0.04958
16	48.438	-0.00003	-0.01092	0.00020	0.03961
17	49.022	-0.00004	-0.01060	0.00019	0.03886
18	49.605	-0.00005	-0.01029	0.00019	0.03814
19	54.605	-0.00009	-0.00822	0.00013	0.03400
20	56.938	-0.00009	-0.00773	0.00009	0.03354
21	59.272	-0.00008	-0.00767	0.00007	0.03388
22	64.272	-0.00006	-0.00787	0.00008	0.03401
23	64.855	-0.00006	-0.00789	0.00008	0.03389
24	65.438	-0.00006	-0.00791	0.00009	0.03376
25	67.438	-0.00005	-0.00796	0.00011	0.03332
26	69.438	-0.00005	-0.00801	0.00013	0.03289
27	71.105	-0.00004	-0.00806	0.00015	0.03254

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 5
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 2 section left appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.05659	-2.08144	0.02095	1.14372
2	5.208	-0.02142	-0.24767	0.01453	0.75896
3	7.708	-0.00265	0.63224	0.01124	0.57428
4	10.208	0.01754	1.51208	0.00783	0.38959
5	10.792	0.02266	1.71742	0.00699	0.34649
6	11.375	0.01366	1.34148	0.00614	0.30357
7	16.375	-0.03880	-1.46023	0.00014	-0.02921
8	18.708	-0.04699	-2.26574	-0.00162	-0.13485
9	21.042	-0.04277	-2.45565	-0.00216	-0.17174
10	26.042	-0.02531	-1.94331	-0.00147	-0.13433
11	26.625	-0.02345	-1.85017	-0.00132	-0.12487
12	27.208	-0.02163	-1.75590	-0.00117	-0.11523
13	32.208	-0.00829	-0.98176	-0.00008	-0.03943
14	37.823	-0.00044	-0.32427	0.00034	0.01327
15	43.438	0.00081	-0.02280	0.00016	0.02717
16	48.438	0.00055	0.04986	0.00006	0.02648
17	49.022	0.00054	0.05409	0.00006	0.02630
18	49.605	0.00053	0.05807	0.00006	0.02613
19	54.605	0.00044	0.08138	0.00002	0.02547
20	56.938	0.00043	0.08392	-0.00002	0.02568
21	59.272	0.00044	0.08088	-0.00004	0.02600
22	64.272	0.00050	0.07394	-0.00002	0.02589
23	64.855	0.00051	0.07361	-0.00001	0.02578
24	65.438	0.00052	0.07332	-0.00001	0.02567
25	67.438	0.00056	0.07232	0.00002	0.02531
26	69.438	0.00059	0.07134	0.00005	0.02495
27	71.105	0.00062	0.07053	0.00007	0.02466

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 6
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 2 section a appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.05073	-1.97100	0.01981	1.08854
2	5.208	-0.01849	-0.23893	0.01356	0.71367
3	7.708	-0.00152	0.59222	0.01035	0.53374
4	10.208	0.01661	1.42327	0.00702	0.35381
5	10.792	0.02107	1.61721	0.00620	0.31182
6	11.375	0.02581	1.81329	0.00539	0.27000
7	16.375	-0.03124	-1.09116	-0.00035	-0.05375
8	18.708	-0.04127	-1.94675	-0.00197	-0.15551
9	21.042	-0.03852	-2.18579	-0.00239	-0.18867
10	26.042	-0.02317	-1.77095	-0.00150	-0.14304
11	26.625	-0.02150	-1.68850	-0.00133	-0.13258
12	27.208	-0.01986	-1.60485	-0.00116	-0.12194
13	32.208	-0.00785	-0.91637	0.00004	-0.03848
14	37.823	-0.00074	-0.32619	0.00046	0.01906
15	43.438	0.00045	-0.05082	0.00023	0.03369
16	48.438	0.00025	0.01742	0.00011	0.03257
17	49.022	0.00024	0.02145	0.00010	0.03235
18	49.605	0.00023	0.02526	0.00010	0.03213
19	54.605	0.00017	0.04795	0.00005	0.03123
20	56.938	0.00016	0.05086	0.00001	0.03142
21	59.272	0.00018	0.04853	-0.00002	0.03177
22	64.272	0.00024	0.04289	0.00000	0.03161
23	64.855	0.00025	0.04266	0.00001	0.03148
24	65.438	0.00026	0.04246	0.00002	0.03135
25	67.438	0.00030	0.04178	0.00005	0.03092
26	69.438	0.00033	0.04111	0.00008	0.03051
27	71.105	0.00036	0.04056	0.00010	0.03016

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 7
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 2 section b appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.02329	-1.09753	0.01173	0.65013
2	5.208	-0.00852	-0.21845	0.00688	0.35962
3	7.708	-0.00104	0.20354	0.00442	0.22019
4	10.208	0.00676	0.62555	0.00188	0.08076
5	10.792	0.00863	0.72404	0.00127	0.04822
6	11.375	0.01058	0.82439	0.00066	0.01584
7	16.375	0.03896	2.05841	-0.00324	-0.23032
8	18.708	0.01115	0.78129	-0.00390	-0.29833
9	21.042	-0.00026	0.12847	-0.00343	-0.29917
10	26.042	-0.00465	-0.27837	-0.00107	-0.18367
11	26.625	-0.00464	-0.28600	-0.00076	-0.16486
12	27.208	-0.00461	-0.29188	-0.00045	-0.14590
13	32.208	-0.00438	-0.32792	0.00159	0.00070
14	37.823	-0.00365	-0.31631	0.00189	0.09419
15	43.438	-0.00274	-0.27342	0.00101	0.10960
16	48.438	-0.00231	-0.24781	0.00062	0.10227
17	49.022	-0.00228	-0.24578	0.00060	0.10145
18	49.605	-0.00225	-0.24380	0.00059	0.10066
19	54.605	-0.00204	-0.22840	0.00042	0.09655
20	56.938	-0.00198	-0.22287	0.00032	0.09643
21	59.272	-0.00195	-0.21917	0.00025	0.09698
22	64.272	-0.00192	-0.21351	0.00029	0.09638
23	64.855	-0.00192	-0.21290	0.00031	0.09606
24	65.438	-0.00191	-0.21230	0.00032	0.09573
25	67.438	-0.00190	-0.21022	0.00039	0.09463
26	69.438	-0.00188	-0.20816	0.00044	0.09356
27	71.105	-0.00187	-0.20644	0.00049	0.09268

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 8
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 2 section c appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.01348	-0.70658	0.00869	0.46304
2	5.208	-0.00594	-0.22123	0.00448	0.21166
3	7.708	-0.00217	0.01189	0.00236	0.09101
4	10.208	0.00171	0.24509	0.00016	-0.02963
5	10.792	0.00264	0.29952	-0.00036	-0.05778
6	11.375	0.00360	0.35569	-0.00088	-0.08579
7	16.375	0.01955	1.19197	-0.00401	-0.29565
8	18.708	0.03916	2.05414	-0.00429	-0.34775
9	21.042	0.01968	1.21000	-0.00348	-0.33343
10	26.042	0.00435	0.42312	-0.00050	-0.18566
11	26.625	0.00350	0.37380	-0.00012	-0.16304
12	27.208	0.00269	0.32646	0.00025	-0.14030
13	32.208	-0.00300	-0.04574	0.00263	0.03461
14	37.823	-0.00525	-0.30508	0.00278	0.14245
15	43.438	-0.00430	-0.37328	0.00150	0.15583
16	48.438	-0.00350	-0.36889	0.00095	0.14448
17	49.022	-0.00344	-0.36788	0.00093	0.14330
18	49.605	-0.00339	-0.36685	0.00091	0.14216
19	54.605	-0.00304	-0.35544	0.00067	0.13605
20	56.938	-0.00295	-0.34884	0.00054	0.13570
21	59.272	-0.00292	-0.34234	0.00045	0.13634
22	64.272	-0.00292	-0.33135	0.00049	0.13548
23	64.855	-0.00291	-0.33034	0.00052	0.13506
24	65.438	-0.00291	-0.32935	0.00054	0.13462
25	67.438	-0.00291	-0.32598	0.00062	0.13314
26	69.438	-0.00291	-0.32261	0.00069	0.13170
27	71.105	-0.00290	-0.31982	0.00075	0.13051

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 9
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 2 section right appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.01724	0.70013	0.00000	-0.10452
2	5.208	0.00154	-0.15907	-0.00196	-0.22382
3	7.708	-0.00640	-0.57102	-0.00295	-0.28108
4	10.208	-0.01467	-0.98270	-0.00396	-0.33834
5	10.792	-0.01666	-1.07873	-0.00420	-0.35170
6	11.375	-0.01867	-1.17342	-0.00443	-0.36495
7	16.375	-0.03734	-1.69541	-0.00481	-0.45246
8	18.708	-0.04175	-1.49786	-0.00367	-0.45099
9	21.042	-0.03304	-0.66248	-0.00150	-0.38583
10	26.042	0.02205	2.24883	0.00379	-0.13026
11	26.625	0.03145	2.63994	0.00441	-0.09492
12	27.208	0.02673	2.45042	0.00501	-0.05953
13	32.208	-0.00353	0.92186	0.00837	0.20885
14	37.823	-0.01496	-0.28182	0.00731	0.36060
15	43.438	-0.01117	-0.74754	0.00399	0.36228
16	48.438	-0.00817	-0.82210	0.00268	0.33479
17	49.022	-0.00798	-0.82492	0.00263	0.33217
18	49.605	-0.00781	-0.82741	0.00257	0.32965
19	54.605	-0.00673	-0.83139	0.00200	0.31569
20	56.938	-0.00650	-0.82110	0.00171	0.31448
21	59.272	-0.00650	-0.80438	0.00153	0.31553
22	64.272	-0.00666	-0.77329	0.00158	0.31347
23	64.855	-0.00667	-0.77072	0.00162	0.31258
24	65.438	-0.00669	-0.76822	0.00166	0.31165
25	67.438	-0.00674	-0.75970	0.00180	0.30852
26	69.438	-0.00679	-0.75123	0.00193	0.30546
27	71.105	-0.00683	-0.74419	0.00204	0.30294

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 10
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 3 section left appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.03137	3.03957	0.00249	0.22596
2	5.208	0.03036	3.16891	0.00211	0.21307
3	7.708	0.02975	3.23228	0.00192	0.20697
4	10.208	0.02902	3.29641	0.00174	0.20094
5	10.792	0.02883	3.31149	0.00169	0.19954
6	11.375	0.02862	3.32642	0.00166	0.19799
7	16.375	0.02466	3.44080	0.00265	0.16121
8	18.708	0.02265	3.51584	0.00380	0.13080
9	21.042	0.02371	3.65547	0.00484	0.09972
10	26.042	0.03759	4.11593	0.00516	0.05937
11	26.625	0.04039	4.17955	0.00498	0.05732
12	27.208	0.02908	3.66212	0.00479	0.05538
13	32.208	-0.04443	-0.42015	0.00322	0.03356
14	37.823	-0.06735	-3.31342	0.00096	-0.00487
15	43.438	-0.05068	-4.12352	-0.00073	-0.03977
16	48.438	-0.03958	-4.10133	-0.00106	-0.05486
17	49.022	-0.03885	-4.09180	-0.00105	-0.05596
18	49.605	-0.03816	-4.08192	-0.00104	-0.05696
19	54.605	-0.03368	-3.96572	-0.00121	-0.05633
20	56.938	-0.03264	-3.89429	-0.00140	-0.05022
21	59.272	-0.03243	-3.82149	-0.00155	-0.04251
22	64.272	-0.03259	-3.69630	-0.00150	-0.03344
23	64.855	-0.03259	-3.68481	-0.00146	-0.03327
24	65.438	-0.03260	-3.67350	-0.00142	-0.03315
25	67.438	-0.03260	-3.63491	-0.00128	-0.03270
26	69.438	-0.03260	-3.59651	-0.00114	-0.03221
27	71.105	-0.03260	-3.56460	-0.00103	-0.03177

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 11
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 3 section a appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.02953	2.88909	0.00230	0.21013
2	5.208	0.02867	3.00995	0.00191	0.19747
3	7.708	0.02816	3.06917	0.00172	0.19150
4	10.208	0.02757	3.12914	0.00152	0.18559
5	10.792	0.02741	3.14324	0.00147	0.18422
6	11.375	0.02724	3.15719	0.00143	0.18270
7	16.375	0.02401	3.26281	0.00234	0.14682
8	18.708	0.02246	3.33279	0.00342	0.11718
9	21.042	0.02358	3.46567	0.00438	0.08691
10	26.042	0.03588	3.90830	0.00461	0.04764
11	26.625	0.03818	3.96965	0.00444	0.04565
12	27.208	0.04077	4.03335	0.00427	0.04377
13	32.208	-0.03594	-0.07659	0.00278	0.02259
14	37.823	-0.06211	-3.02328	0.00067	-0.01473
15	43.438	-0.04780	-3.88542	-0.00086	-0.04853
16	48.438	-0.03754	-3.88805	-0.00113	-0.06298
17	49.022	-0.03686	-3.88046	-0.00111	-0.06402
18	49.605	-0.03623	-3.87247	-0.00110	-0.06496
19	54.605	-0.03206	-3.77099	-0.00125	-0.06347
20	56.938	-0.03108	-3.70481	-0.00145	-0.05678
21	59.272	-0.03087	-3.63553	-0.00162	-0.04852
22	64.272	-0.03100	-3.51583	-0.00158	-0.03872
23	64.855	-0.03100	-3.50495	-0.00154	-0.03852
24	65.438	-0.03101	-3.49425	-0.00149	-0.03836
25	67.438	-0.03101	-3.45771	-0.00135	-0.03778
26	69.438	-0.03101	-3.42136	-0.00121	-0.03716
27	71.105	-0.03100	-3.39115	-0.00109	-0.03662

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 12
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 3 section b appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.01520	1.50224	0.00104	0.10297
2	5.208	0.01482	1.56621	0.00061	0.09217
3	7.708	0.01461	1.59764	0.00039	0.08712
4	10.208	0.01437	1.62953	0.00016	0.08217
5	10.792	0.01431	1.63703	0.00011	0.08103
6	11.375	0.01425	1.64438	0.00006	0.07976
7	16.375	0.01294	1.69046	0.00047	0.05087
8	18.708	0.01248	1.72448	0.00110	0.02727
9	21.042	0.01336	1.80703	0.00165	0.00336
10	26.042	0.01962	2.11356	0.00163	-0.02722
11	26.625	0.02068	2.15759	0.00151	-0.02872
12	27.208	0.02183	2.20351	0.00139	-0.03013
13	32.208	0.04244	2.87531	0.00033	-0.04604
14	37.823	-0.01475	-0.50935	-0.00084	-0.07384
15	43.438	-0.02213	-1.80466	-0.00146	-0.09809
16	48.438	-0.01952	-2.01663	-0.00131	-0.10728
17	49.022	-0.01933	-2.02563	-0.00127	-0.10785
18	49.605	-0.01914	-2.03375	-0.00122	-0.10831
19	54.605	-0.01787	-2.05806	-0.00131	-0.09948
20	56.938	-0.01747	-2.03722	-0.00160	-0.08769
21	59.272	-0.01725	-1.99886	-0.00189	-0.07461
22	64.272	-0.01706	-1.92802	-0.00195	-0.05883
23	64.855	-0.01705	-1.92250	-0.00191	-0.05832
24	65.438	-0.01704	-1.91717	-0.00186	-0.05790
25	67.438	-0.01701	-1.89893	-0.00169	-0.05639
26	69.438	-0.01697	-1.88076	-0.00153	-0.05484
27	71.105	-0.01694	-1.86565	-0.00139	-0.05353

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 13
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 3 section c appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.00050	-0.11910	0.00021	0.02803
2	5.208	-0.00073	-0.11188	-0.00021	0.01931
3	7.708	-0.00085	-0.10820	-0.00042	0.01528
4	10.208	-0.00097	-0.10438	-0.00064	0.01136
5	10.792	-0.00100	-0.10346	-0.00069	0.01046
6	11.375	-0.00104	-0.10272	-0.00074	0.00947
7	16.375	-0.00171	-0.11661	-0.00058	-0.01250
8	18.708	-0.00200	-0.11951	-0.00021	-0.03017
9	21.042	-0.00174	-0.08941	0.00012	-0.04781
10	26.042	0.00056	0.07437	0.00004	-0.06964
11	26.625	0.00096	0.10026	-0.00005	-0.07062
12	27.208	0.00138	0.12753	-0.00014	-0.07152
13	32.208	0.00908	0.56773	-0.00083	-0.08154
14	37.823	0.04824	2.32931	-0.00133	-0.09820
15	43.438	0.00906	0.56617	-0.00129	-0.11133
16	48.438	0.00136	0.12528	-0.00080	-0.11465
17	49.022	0.00093	0.09797	-0.00072	-0.11473
18	49.605	0.00054	0.07203	-0.00065	-0.11467
19	54.605	-0.00177	-0.09208	-0.00074	-0.09740
20	56.938	-0.00203	-0.12230	-0.00119	-0.07963
21	59.272	-0.00174	-0.11945	-0.00166	-0.06089
22	64.272	-0.00107	-0.10565	-0.00190	-0.03846
23	64.855	-0.00103	-0.10640	-0.00184	-0.03769
24	65.438	-0.00100	-0.10732	-0.00179	-0.03702
25	67.438	-0.00090	-0.11043	-0.00160	-0.03468
26	69.438	-0.00080	-0.11349	-0.00142	-0.03231
27	71.105	-0.00072	-0.11601	-0.00127	-0.03031

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 14
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 3 section right appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.03108	-3.32216	-0.00017	-0.00803
2	5.208	-0.03120	-3.42358	-0.00048	-0.01133
3	7.708	-0.03122	-3.47306	-0.00063	-0.01275
4	10.208	-0.03123	-3.52301	-0.00079	-0.01406
5	10.792	-0.03123	-3.53474	-0.00083	-0.01435
6	11.375	-0.03123	-3.54665	-0.00087	-0.01468
7	16.375	-0.03111	-3.67556	-0.00095	-0.02342
8	18.708	-0.03135	-3.75018	-0.00086	-0.03042
9	21.042	-0.03241	-3.82351	-0.00074	-0.03674
10	26.042	-0.03694	-3.94382	-0.00070	-0.04188
11	26.625	-0.03763	-3.95418	-0.00072	-0.04172
12	27.208	-0.03836	-3.96419	-0.00074	-0.04151
13	32.208	-0.04951	-3.99043	-0.00058	-0.03863
14	37.823	-0.06620	-3.18371	0.00069	-0.03112
15	43.438	-0.04328	-0.29047	0.00250	-0.02020
16	48.438	0.03025	3.79435	0.00386	-0.01081
17	49.022	0.04157	4.31224	0.00404	-0.00979
18	49.605	0.03877	4.24900	0.00420	-0.00859
19	54.605	0.02491	3.79194	0.00364	0.02788
20	56.938	0.02388	3.65400	0.00245	0.05947
21	59.272	0.02590	3.58068	0.00116	0.09121
22	64.272	0.02991	3.46984	0.00005	0.12857
23	64.855	0.03012	3.45530	0.00009	0.12989
24	65.438	0.03031	3.44062	0.00014	0.13104
25	67.438	0.03092	3.39056	0.00030	0.13499
26	69.438	0.03148	3.34080	0.00046	0.13896
27	71.105	0.03191	3.29949	0.00059	0.14227

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 15
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 4 section left appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.00674	-0.70475	0.00272	0.30230
2	5.208	-0.00665	-0.72684	0.00244	0.30842
3	7.708	-0.00659	-0.73765	0.00230	0.31160
4	10.208	-0.00653	-0.74858	0.00215	0.31492
5	10.792	-0.00651	-0.75115	0.00211	0.31572
6	11.375	-0.00649	-0.75378	0.00207	0.31649
7	16.375	-0.00634	-0.78553	0.00199	0.31925
8	18.708	-0.00634	-0.80261	0.00211	0.31908
9	21.042	-0.00657	-0.81330	0.00233	0.32026
10	26.042	-0.00765	-0.81022	0.00278	0.33009
11	26.625	-0.00783	-0.80784	0.00283	0.33182
12	27.208	-0.00801	-0.80512	0.00287	0.33359
13	32.208	-0.01102	-0.73148	0.00403	0.34925
14	37.823	-0.01484	-0.26661	0.00691	0.32052
15	43.438	-0.00343	0.93691	0.00752	0.14129
16	48.438	0.02681	2.46595	0.00395	-0.13975
17	49.022	0.03153	2.65557	0.00333	-0.17610
18	49.605	0.02213	2.26454	0.00269	-0.21234
19	54.605	-0.03300	-0.64548	-0.00284	-0.47201
20	56.938	-0.04173	-1.47995	-0.00517	-0.53674
21	59.272	-0.03733	-1.67656	-0.00645	-0.53696
22	64.272	-0.01866	-1.15336	-0.00619	-0.44913
23	64.855	-0.01664	-1.05860	-0.00596	-0.43615
24	65.438	-0.01465	-0.96252	-0.00571	-0.42308
25	67.438	-0.00798	-0.63300	-0.00489	-0.37828
26	69.438	-0.00146	-0.30336	-0.00408	-0.33348
27	71.105	0.00391	-0.02859	-0.00342	-0.29615

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 16
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 4 section a appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.00636	-0.66762	0.00256	0.28582
2	5.208	-0.00628	-0.68835	0.00229	0.29161
3	7.708	-0.00623	-0.69850	0.00216	0.29461
4	10.208	-0.00618	-0.70877	0.00201	0.29776
5	10.792	-0.00617	-0.71118	0.00198	0.29851
6	11.375	-0.00615	-0.71365	0.00194	0.29924
7	16.375	-0.00603	-0.74350	0.00186	0.30186
8	18.708	-0.00604	-0.75968	0.00198	0.30170
9	21.042	-0.00625	-0.77009	0.00218	0.30280
10	26.042	-0.00723	-0.76849	0.00260	0.31204
11	26.625	-0.00738	-0.76643	0.00265	0.31366
12	27.208	-0.00755	-0.76406	0.00269	0.31533
13	32.208	-0.01016	-0.69758	0.00377	0.32984
14	37.823	-0.01306	-0.26606	0.00644	0.30044
15	43.438	-0.00213	0.86296	0.00691	0.12467
16	48.438	0.02516	2.30370	0.00336	-0.14942
17	49.022	0.02923	2.48253	0.00277	-0.18483
18	49.605	0.03359	2.66411	0.00216	-0.22013
19	54.605	-0.02594	-0.34429	-0.00316	-0.47187
20	56.938	-0.03647	-1.22790	-0.00537	-0.53289
21	59.272	-0.03357	-1.47431	-0.00653	-0.52920
22	64.272	-0.01714	-1.05284	-0.00603	-0.43241
23	64.855	-0.01533	-0.96938	-0.00578	-0.41834
24	65.438	-0.01354	-0.88458	-0.00551	-0.40419
25	67.438	-0.00755	-0.59372	-0.00462	-0.35565
26	69.438	-0.00170	-0.30275	-0.00374	-0.30712
27	71.105	0.00312	-0.06022	-0.00301	-0.26668

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 17
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 4 section b appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.00382	-0.40831	0.00147	0.16727
2	5.208	-0.00381	-0.42058	0.00129	0.17063
3	7.708	-0.00380	-0.42658	0.00120	0.17240
4	10.208	-0.00380	-0.43265	0.00110	0.17426
5	10.792	-0.00379	-0.43408	0.00107	0.17470
6	11.375	-0.00379	-0.43554	0.00105	0.17514
7	16.375	-0.00377	-0.45235	0.00099	0.17676
8	18.708	-0.00380	-0.46188	0.00105	0.17665
9	21.042	-0.00393	-0.46979	0.00117	0.17710
10	26.042	-0.00443	-0.47759	0.00140	0.18163
11	26.625	-0.00451	-0.47773	0.00142	0.18245
12	27.208	-0.00459	-0.47776	0.00144	0.18328
13	32.208	-0.00579	-0.46106	0.00203	0.18883
14	37.823	-0.00687	-0.28126	0.00338	0.15525
15	43.438	-0.00168	0.24990	0.00303	0.01055
16	48.438	0.01008	0.95888	0.00012	-0.20296
17	49.022	0.01176	1.04774	-0.00033	-0.23027
18	49.605	0.01352	1.13882	-0.00079	-0.25742
19	54.605	0.04072	2.30643	-0.00465	-0.44040
20	56.938	0.01268	1.00839	-0.00600	-0.46918
21	59.272	0.00123	0.34119	-0.00625	-0.43163
22	64.272	-0.00325	-0.09705	-0.00401	-0.25742
23	64.855	-0.00326	-0.10903	-0.00357	-0.23400
24	65.438	-0.00327	-0.11938	-0.00312	-0.21047
25	67.438	-0.00331	-0.15484	-0.00161	-0.12979
26	69.438	-0.00340	-0.19024	-0.00014	-0.04912
27	71.105	-0.00349	-0.21971	0.00108	0.01810

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 18
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 4 section c appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.00276	-0.29832	0.00107	0.12310
2	5.208	-0.00278	-0.30719	0.00093	0.12557
3	7.708	-0.00279	-0.31151	0.00085	0.12687
4	10.208	-0.00279	-0.31589	0.00078	0.12825
5	10.792	-0.00280	-0.31692	0.00076	0.12859
6	11.375	-0.00280	-0.31796	0.00074	0.12891
7	16.375	-0.00281	-0.32928	0.00069	0.13016
8	18.708	-0.00283	-0.33595	0.00073	0.13006
9	21.042	-0.00293	-0.34273	0.00082	0.13023
10	26.042	-0.00328	-0.35447	0.00099	0.13286
11	26.625	-0.00334	-0.35554	0.00100	0.13335
12	27.208	-0.00339	-0.35659	0.00102	0.13385
13	32.208	-0.00419	-0.36126	0.00144	0.13588
14	37.823	-0.00514	-0.29317	0.00236	0.10159
15	43.438	-0.00290	-0.03369	0.00182	-0.02737
16	48.438	0.00280	0.33877	-0.00076	-0.21196
17	49.022	0.00361	0.38614	-0.00115	-0.23543
18	49.605	0.00447	0.43550	-0.00154	-0.25872
19	54.605	0.01980	1.22262	-0.00478	-0.40918
20	56.938	0.03928	2.06693	-0.00579	-0.42276
21	59.272	0.01968	1.20491	-0.00566	-0.36929
22	64.272	0.00372	0.36884	-0.00266	-0.15873
23	64.855	0.00276	0.31269	-0.00214	-0.13092
24	65.438	0.00183	0.25830	-0.00161	-0.10299
25	67.438	-0.00129	0.07181	0.00018	-0.00724
26	69.438	-0.00436	-0.11465	0.00193	0.08851
27	71.105	-0.00690	-0.27002	0.00338	0.16830

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 19
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 4 section right appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.00079	0.07745	0.00011	0.01326
2	5.208	0.00071	0.07977	0.00007	0.01349
3	7.708	0.00066	0.08094	0.00005	0.01363
4	10.208	0.00061	0.08215	0.00004	0.01378
5	10.792	0.00060	0.08244	0.00003	0.01381
6	11.375	0.00059	0.08276	0.00003	0.01385
7	16.375	0.00052	0.08965	0.00001	0.01411
8	18.708	0.00051	0.09270	0.00002	0.01405
9	21.042	0.00052	0.09021	0.00003	0.01363
10	26.042	0.00060	0.06710	0.00004	0.01198
11	26.625	0.00061	0.06315	0.00003	0.01174
12	27.208	0.00063	0.05895	0.00003	0.01149
13	32.208	0.00088	-0.01337	0.00006	0.00640
14	37.823	-0.00034	-0.31423	-0.00002	-0.02012
15	43.438	-0.00816	-0.97124	-0.00072	-0.08544
16	48.438	-0.02147	-1.74531	-0.00196	-0.16699
17	49.022	-0.02329	-1.83961	-0.00212	-0.17706
18	49.605	-0.02515	-1.93276	-0.00229	-0.18692
19	54.605	-0.04256	-2.44585	-0.00323	-0.22558
20	56.938	-0.04675	-2.25661	-0.00287	-0.18793
21	59.272	-0.03854	-1.45183	-0.00128	-0.08116
22	64.272	0.01391	1.34917	0.00463	0.25239
23	64.855	0.02290	1.72510	0.00550	0.29520
24	65.438	0.01778	1.51980	0.00635	0.33817
25	67.438	0.00139	0.81593	0.00915	0.48549
26	69.438	-0.01432	0.11206	0.01189	0.63280
27	71.105	-0.02712	-0.47455	0.01416	0.75556

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 20
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 5 section left appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.00004	-0.00816	0.00015	0.01884
2	5.208	-0.00005	-0.00802	0.00013	0.01930
3	7.708	-0.00005	-0.00795	0.00012	0.01954
4	10.208	-0.00006	-0.00789	0.00011	0.01979
5	10.792	-0.00006	-0.00788	0.00011	0.01985
6	11.375	-0.00006	-0.00787	0.00010	0.01991
7	16.375	-0.00009	-0.00769	0.00010	0.01995
8	18.708	-0.00010	-0.00776	0.00011	0.01987
9	21.042	-0.00009	-0.00824	0.00012	0.02012
10	26.042	-0.00005	-0.01022	0.00014	0.02196
11	26.625	-0.00004	-0.01051	0.00015	0.02227
12	27.208	-0.00003	-0.01082	0.00015	0.02259
13	32.208	0.00013	-0.01527	0.00021	0.02681
14	37.823	0.00049	-0.02347	0.00042	0.03578
15	43.438	0.00045	-0.02446	0.00068	0.04470
16	48.438	-0.00034	-0.01467	0.00085	0.04882
17	49.022	-0.00049	-0.01314	0.00086	0.04913
18	49.605	-0.00065	-0.01159	0.00088	0.04942
19	54.605	-0.00359	0.00291	0.00131	0.05021
20	56.938	-0.00557	0.01063	0.00167	0.04953
21	59.272	-0.00619	0.01905	0.00199	0.04858
22	64.272	-0.00055	0.03731	0.00227	0.04789
23	64.855	0.00097	0.03945	0.00224	0.04796
24	65.438	-0.01168	-0.54185	0.00220	0.04805
25	67.438	-0.05297	-2.53480	0.00213	0.04834
26	69.438	-0.09288	-4.52762	0.00210	0.04863
27	71.105	-0.12551	-6.18834	0.00206	0.04889

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 21
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 5 section a appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.00003	-0.00663	0.00012	0.01503
2	5.208	-0.00004	-0.00651	0.00011	0.01540
3	7.708	-0.00004	-0.00646	0.00010	0.01560
4	10.208	-0.00005	-0.00641	0.00009	0.01580
5	10.792	-0.00005	-0.00640	0.00008	0.01585
6	11.375	-0.00005	-0.00639	0.00008	0.01590
7	16.375	-0.00007	-0.00625	0.00008	0.01592
8	18.708	-0.00008	-0.00631	0.00008	0.01586
9	21.042	-0.00008	-0.00669	0.00009	0.01606
10	26.042	-0.00004	-0.00830	0.00011	0.01754
11	26.625	-0.00003	-0.00853	0.00011	0.01779
12	27.208	-0.00003	-0.00878	0.00012	0.01805
13	32.208	0.00010	-0.01238	0.00017	0.02145
14	37.823	0.00038	-0.01902	0.00034	0.02868
15	43.438	0.00035	-0.01984	0.00055	0.03587
16	48.438	-0.00028	-0.01196	0.00068	0.03918
17	49.022	-0.00039	-0.01073	0.00069	0.03943
18	49.605	-0.00051	-0.00948	0.00071	0.03967
19	54.605	-0.00280	0.00222	0.00105	0.04030
20	56.938	-0.00433	0.00846	0.00133	0.03976
21	59.272	-0.00483	0.01527	0.00159	0.03899
22	64.272	-0.00045	0.03001	0.00179	0.03843
23	64.855	0.00064	0.03173	0.00176	0.03849
24	65.438	0.00198	0.03346	0.00173	0.03856
25	67.438	-0.04059	-1.96095	0.00170	0.03880
26	69.438	-0.08136	-3.95518	0.00166	0.03904
27	71.105	-0.11468	-5.61706	0.00163	0.03925

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 22
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 5 section b appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.00001	-0.00268	0.00005	0.00563
2	5.208	-0.00002	-0.00264	0.00004	0.00577
3	7.708	-0.00002	-0.00262	0.00003	0.00585
4	10.208	-0.00002	-0.00260	0.00003	0.00593
5	10.792	-0.00002	-0.00259	0.00003	0.00595
6	11.375	-0.00002	-0.00259	0.00003	0.00597
7	16.375	-0.00003	-0.00253	0.00003	0.00598
8	18.708	-0.00003	-0.00256	0.00003	0.00595
9	21.042	-0.00003	-0.00271	0.00003	0.00602
10	26.042	-0.00002	-0.00335	0.00004	0.00659
11	26.625	-0.00001	-0.00344	0.00004	0.00669
12	27.208	-0.00001	-0.00354	0.00004	0.00679
13	32.208	0.00004	-0.00498	0.00006	0.00811
14	37.823	0.00014	-0.00763	0.00013	0.01091
15	43.438	0.00012	-0.00800	0.00021	0.01369
16	48.438	-0.00011	-0.00490	0.00026	0.01498
17	49.022	-0.00015	-0.00441	0.00026	0.01507
18	49.605	-0.00020	-0.00392	0.00027	0.01516
19	54.605	-0.00100	0.00071	0.00040	0.01541
20	56.938	-0.00153	0.00318	0.00051	0.01520
21	59.272	-0.00171	0.00589	0.00061	0.01491
22	64.272	-0.00015	0.01173	0.00067	0.01469
23	64.855	0.00022	0.01240	0.00066	0.01471
24	65.438	0.00063	0.01307	0.00065	0.01474
25	67.438	0.00291	0.01545	0.00064	0.01483
26	69.438	-0.04136	-1.98248	0.00061	0.01493
27	71.105	-0.07713	-3.64730	0.00059	0.01501

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 23
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 5 section c appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.00000	-0.00072	0.00001	0.00104
2	5.208	0.00000	-0.00071	0.00001	0.00107
3	7.708	0.00000	-0.00070	0.00001	0.00109
4	10.208	-0.00001	-0.00070	0.00001	0.00110
5	10.792	-0.00001	-0.00069	0.00001	0.00111
6	11.375	-0.00001	-0.00069	0.00000	0.00111
7	16.375	-0.00001	-0.00068	0.00000	0.00111
8	18.708	-0.00001	-0.00069	0.00000	0.00110
9	21.042	-0.00001	-0.00073	0.00001	0.00112
10	26.042	0.00000	-0.00089	0.00001	0.00123
11	26.625	0.00000	-0.00092	0.00001	0.00125
12	27.208	0.00000	-0.00094	0.00001	0.00127
13	32.208	0.00001	-0.00132	0.00001	0.00152
14	37.823	0.00003	-0.00202	0.00002	0.00205
15	43.438	0.00003	-0.00212	0.00004	0.00259
16	48.438	-0.00003	-0.00133	0.00005	0.00283
17	49.022	-0.00004	-0.00120	0.00005	0.00285
18	49.605	-0.00005	-0.00107	0.00005	0.00287
19	54.605	-0.00024	0.00013	0.00007	0.00291
20	56.938	-0.00036	0.00078	0.00010	0.00287
21	59.272	-0.00040	0.00148	0.00012	0.00282
22	64.272	-0.00003	0.00300	0.00013	0.00278
23	64.855	0.00006	0.00317	0.00013	0.00278
24	65.438	0.00016	0.00335	0.00012	0.00279
25	67.438	0.00066	0.00394	0.00012	0.00280
26	69.438	0.00182	0.00461	0.00011	0.00282
27	71.105	-0.03666	-1.66184	0.00011	0.00284

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 24
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 6 section a appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.01008	0.73947	-0.01619	-0.97602
2	5.208	0.00833	0.63715	-0.00989	-0.60368
3	7.708	0.00742	0.58803	-0.00665	-0.42492
4	10.208	0.00644	0.53892	-0.00324	-0.24613
5	10.792	0.00621	0.52746	-0.00241	-0.20441
6	11.375	0.00596	0.51519	-0.00159	-0.16284
7	16.375	0.00273	0.28942	0.00379	0.16121
8	18.708	0.00066	0.12254	0.00496	0.26416
9	21.042	-0.00119	-0.03421	0.00489	0.29782
10	26.042	-0.00320	-0.20546	0.00338	0.24891
11	26.625	-0.00327	-0.21002	0.00317	0.23770
12	27.208	-0.00332	-0.21366	0.00297	0.22626
13	32.208	-0.00351	-0.23553	0.00141	0.13224
14	37.823	-0.00295	-0.22634	0.00037	0.05204
15	43.438	-0.00210	-0.19723	0.00009	0.01483
16	48.438	-0.00170	-0.17984	0.00006	0.00553
17	49.022	-0.00168	-0.17844	0.00006	0.00497
18	49.605	-0.00165	-0.17708	0.00005	0.00443
19	54.605	-0.00148	-0.16638	0.00004	0.00115
20	56.938	-0.00143	-0.16244	0.00004	0.00062
21	59.272	-0.00142	-0.15971	0.00004	0.00078
22	64.272	-0.00140	-0.15545	0.00004	0.00126
23	64.855	-0.00140	-0.15499	0.00003	0.00127
24	65.438	-0.00140	-0.15454	0.00003	0.00126
25	67.438	-0.00139	-0.15298	0.00003	0.00126
26	69.438	-0.00138	-0.15143	0.00002	0.00126
27	71.105	-0.00137	-0.15014	0.00002	0.00125

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 25
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 6 section b appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.00850	0.64748	-0.01437	-0.87321
2	5.208	0.00702	0.55442	-0.00837	-0.51849
3	7.708	0.00626	0.50974	-0.00530	-0.34818
4	10.208	0.00548	0.46507	-0.00206	-0.17785
5	10.792	0.00529	0.45464	-0.00128	-0.13810
6	11.375	0.00509	0.44352	-0.00050	-0.09851
7	16.375	0.00238	0.24484	0.00455	0.20784
8	18.708	0.00060	0.09991	0.00559	0.30220
9	21.042	-0.00100	-0.03518	0.00540	0.32753
10	26.042	-0.00275	-0.18091	0.00362	0.26221
11	26.625	-0.00280	-0.18455	0.00338	0.24921
12	27.208	-0.00284	-0.18738	0.00314	0.23599
13	32.208	-0.00300	-0.20380	0.00133	0.12803
14	37.823	-0.00251	-0.19399	0.00018	0.03832
15	43.438	-0.00179	-0.16819	-0.00009	-0.00116
16	48.438	-0.00145	-0.15311	-0.00009	-0.01016
17	49.022	-0.00143	-0.15190	-0.00009	-0.01067
18	49.605	-0.00140	-0.15073	-0.00009	-0.01115
19	54.605	-0.00125	-0.14153	-0.00009	-0.01392
20	56.938	-0.00122	-0.13818	-0.00009	-0.01416
21	59.272	-0.00120	-0.13587	-0.00009	-0.01372
22	64.272	-0.00119	-0.13227	-0.00009	-0.01278
23	64.855	-0.00119	-0.13188	-0.00009	-0.01273
24	65.438	-0.00119	-0.13149	-0.00009	-0.01269
25	67.438	-0.00118	-0.13017	-0.00010	-0.01255
26	69.438	-0.00117	-0.12885	-0.00010	-0.01242
27	71.105	-0.00117	-0.12775	-0.00010	-0.01231

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 26
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 6 section c appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.00079	0.04199	-0.00541	-0.27634
2	5.208	0.00034	0.01313	-0.00135	-0.03291
3	7.708	0.00012	-0.00073	0.00070	0.08399
4	10.208	-0.00010	-0.01460	0.00283	0.20093
5	10.792	-0.00016	-0.01783	0.00334	0.22822
6	11.375	-0.00021	-0.02104	0.00385	0.25530
7	16.375	-0.00058	-0.04374	0.00723	0.44668
8	18.708	-0.00064	-0.04821	0.00785	0.48397
9	21.042	-0.00059	-0.04477	0.00729	0.45408
10	26.042	-0.00026	-0.02496	0.00417	0.28375
11	26.625	-0.00021	-0.02215	0.00371	0.25964
12	27.208	-0.00016	-0.01933	0.00324	0.23543
13	32.208	0.00017	0.00281	-0.00007	0.04312
14	37.823	0.00031	0.01823	-0.00173	-0.09788
15	43.438	0.00026	0.02227	-0.00164	-0.14267
16	48.438	0.00021	0.02201	-0.00138	-0.14542
17	49.022	0.00021	0.02195	-0.00136	-0.14530
18	49.605	0.00020	0.02188	-0.00134	-0.14515
19	54.605	0.00018	0.02120	-0.00122	-0.14221
20	56.938	0.00018	0.02080	-0.00119	-0.13981
21	59.272	0.00018	0.02041	-0.00118	-0.13711
22	64.272	0.00017	0.01975	-0.00117	-0.13249
23	64.855	0.00017	0.01969	-0.00117	-0.13209
24	65.438	0.00017	0.01963	-0.00117	-0.13170
25	67.438	0.00017	0.01943	-0.00117	-0.13036
26	69.438	0.00017	0.01923	-0.00116	-0.12904
27	71.105	0.00017	0.01906	-0.00116	-0.12794

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 27
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 7 section a appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.00162	0.17487	-0.00273	-0.29317
2	5.208	0.00165	0.18020	-0.00275	-0.30206
3	7.708	0.00166	0.18279	-0.00276	-0.30638
4	10.208	0.00167	0.18540	-0.00277	-0.31075
5	10.792	0.00167	0.18601	-0.00278	-0.31177
6	11.375	0.00168	0.18663	-0.00278	-0.31281
7	16.375	0.00169	0.19256	-0.00278	-0.32370
8	18.708	0.00171	0.19622	-0.00281	-0.33016
9	21.042	0.00176	0.20104	-0.00290	-0.33721
10	26.042	0.00200	0.21317	-0.00329	-0.35110
11	26.625	0.00204	0.21465	-0.00334	-0.35253
12	27.208	0.00207	0.21616	-0.00340	-0.35397
13	32.208	0.00262	0.23375	-0.00429	-0.36532
14	37.823	0.00371	0.25351	-0.00565	-0.32792
15	43.438	0.00404	0.23043	-0.00431	-0.14084
16	48.438	0.00294	0.16360	0.00051	0.14272
17	49.022	0.00274	0.15427	0.00124	0.17915
18	49.605	0.00253	0.14405	0.00197	0.21563
19	54.605	-0.00042	-0.06704	0.00675	0.50316
20	56.938	-0.00243	-0.23063	0.00779	0.59507
21	59.272	-0.00432	-0.38850	0.00771	0.62240
22	64.272	-0.00655	-0.56878	0.00618	0.56212
23	64.855	-0.00664	-0.57464	0.00597	0.54935
24	65.438	-0.00672	-0.57963	0.00575	0.53632
25	67.438	-0.00700	-0.59676	0.00501	0.49165
26	69.438	-0.00727	-0.61389	0.00429	0.44701
27	71.105	-0.00749	-0.62817	0.00369	0.40981

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 28
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 7 section b appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.00141	0.15300	-0.00247	-0.26579
2	5.208	0.00144	0.15763	-0.00249	-0.27380
3	7.708	0.00145	0.15987	-0.00250	-0.27771
4	10.208	0.00146	0.16214	-0.00251	-0.28165
5	10.792	0.00146	0.16267	-0.00252	-0.28258
6	11.375	0.00146	0.16321	-0.00252	-0.28351
7	16.375	0.00148	0.16836	-0.00253	-0.29343
8	18.708	0.00149	0.17155	-0.00255	-0.29931
9	21.042	0.00154	0.17579	-0.00263	-0.30563
10	26.042	0.00174	0.18651	-0.00297	-0.31779
11	26.625	0.00177	0.18782	-0.00302	-0.31902
12	27.208	0.00180	0.18917	-0.00307	-0.32025
13	32.208	0.00225	0.20483	-0.00384	-0.32933
14	37.823	0.00311	0.22232	-0.00492	-0.29023
15	43.438	0.00334	0.20092	-0.00342	-0.10870
16	48.438	0.00245	0.13993	0.00123	0.16285
17	49.022	0.00230	0.13143	0.00192	0.19765
18	49.605	0.00214	0.12216	0.00261	0.23249
19	54.605	-0.00034	-0.06331	0.00712	0.50477
20	56.938	-0.00207	-0.20525	0.00805	0.58877
21	59.272	-0.00371	-0.34123	0.00784	0.60780
22	64.272	-0.00563	-0.49456	0.00602	0.53028
23	64.855	-0.00571	-0.49928	0.00576	0.51558
24	65.438	-0.00578	-0.50325	0.00550	0.50063
25	67.438	-0.00600	-0.51688	0.00463	0.44939
26	69.438	-0.00623	-0.53050	0.00378	0.39816
27	71.105	-0.00641	-0.54186	0.00307	0.35548

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 29
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 7 section c appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.00016	0.01778	-0.00110	-0.11902
2	5.208	0.00017	0.01830	-0.00111	-0.12254
3	7.708	0.00017	0.01856	-0.00111	-0.12425
4	10.208	0.00017	0.01882	-0.00112	-0.12598
5	10.792	0.00017	0.01888	-0.00112	-0.12638
6	11.375	0.00017	0.01895	-0.00112	-0.12680
7	16.375	0.00017	0.01963	-0.00113	-0.13156
8	18.708	0.00017	0.02003	-0.00114	-0.13432
9	21.042	0.00018	0.02044	-0.00117	-0.13678
10	26.042	0.00020	0.02115	-0.00129	-0.13985
11	26.625	0.00020	0.02121	-0.00131	-0.14001
12	27.208	0.00020	0.02128	-0.00133	-0.14015
13	32.208	0.00025	0.02157	-0.00159	-0.13749
14	37.823	0.00030	0.01757	-0.00168	-0.09272
15	43.438	0.00017	0.00217	-0.00002	0.04836
16	48.438	-0.00017	-0.01997	0.00329	0.24078
17	49.022	-0.00021	-0.02279	0.00376	0.26500
18	49.605	-0.00026	-0.02560	0.00422	0.28913
19	54.605	-0.00059	-0.04542	0.00734	0.45955
20	56.938	-0.00065	-0.04886	0.00790	0.48947
21	59.272	-0.00058	-0.04441	0.00729	0.45221
22	64.272	-0.00022	-0.02172	0.00391	0.26091
23	64.855	-0.00016	-0.01851	0.00340	0.23383
24	65.438	-0.00011	-0.01527	0.00289	0.20656
25	67.438	0.00007	-0.00418	0.00117	0.11304
26	69.438	0.00025	0.00691	-0.00051	0.01953
27	71.105	0.00040	0.01615	-0.00189	-0.05839

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 30
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 8 section top appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.14594	-8.62824	-0.02704	-1.16330
2	5.208	-0.08920	-5.27361	-0.02446	-0.99520
3	7.708	-0.05994	-3.66302	-0.02293	-0.91462
4	10.208	-0.02914	-2.05217	-0.02159	-0.83409
5	10.792	-0.02162	-1.67622	-0.02126	-0.81528
6	11.375	-0.01416	-1.30252	-0.02081	-0.79641
7	16.375	0.03257	1.48001	-0.01548	-0.62633
8	18.708	0.04136	2.27671	-0.01213	-0.54322
9	21.042	0.03912	2.45857	-0.00879	-0.46154
10	26.042	0.02465	1.93111	-0.00391	-0.29919
11	26.625	0.02295	1.83636	-0.00353	-0.28137
12	27.208	0.02128	1.74049	-0.00316	-0.26367
13	32.208	0.00875	0.95619	-0.00057	-0.12007
14	37.823	0.00094	0.29990	0.00071	-0.00431
15	43.438	-0.00067	0.00717	0.00068	0.04317
16	48.438	-0.00058	-0.06078	0.00051	0.05224
17	49.022	-0.00058	-0.06469	0.00050	0.05267
18	49.605	-0.00057	-0.06836	0.00049	0.05308
19	54.605	-0.00053	-0.08959	0.00043	0.05478
20	56.938	-0.00052	-0.09166	0.00042	0.05432
21	59.272	-0.00052	-0.08855	0.00042	0.05313
22	64.272	-0.00056	-0.08182	0.00043	0.05084
23	64.855	-0.00057	-0.08150	0.00043	0.05067
24	65.438	-0.00058	-0.08123	0.00043	0.05050
25	67.438	-0.00061	-0.08028	0.00044	0.04994
26	69.438	-0.00064	-0.07936	0.00044	0.04937
27	71.105	-0.00067	-0.07859	0.00044	0.04891

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 31
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 8 section a appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.12990	-7.75591	-0.02455	-1.06385
2	5.208	-0.07907	-4.72190	-0.02223	-0.91027
3	7.708	-0.05297	-3.26522	-0.02082	-0.83665
4	10.208	-0.02554	-1.80833	-0.01947	-0.76307
5	10.792	-0.01891	-1.46831	-0.01914	-0.74589
6	11.375	-0.01234	-1.13043	-0.01875	-0.72864
7	16.375	0.02926	1.37188	-0.01403	-0.57120
8	18.708	0.03705	2.07798	-0.01098	-0.49325
9	21.042	0.03499	2.22715	-0.00795	-0.41664
10	26.042	0.02193	1.73122	-0.00351	-0.26642
11	26.625	0.02040	1.64478	-0.00316	-0.25016
12	27.208	0.01890	1.55743	-0.00283	-0.23401
13	32.208	0.00761	0.84363	-0.00046	-0.10320
14	37.823	0.00060	0.24932	0.00070	0.00166
15	43.438	-0.00080	-0.01308	0.00067	0.04412
16	48.438	-0.00070	-0.07287	0.00051	0.05197
17	49.022	-0.00069	-0.07627	0.00050	0.05234
18	49.605	-0.00068	-0.07946	0.00049	0.05267
19	54.605	-0.00063	-0.09760	0.00043	0.05395
20	56.938	-0.00062	-0.09906	0.00042	0.05341
21	59.272	-0.00061	-0.09597	0.00042	0.05223
22	64.272	-0.00065	-0.08945	0.00043	0.05001
23	64.855	-0.00066	-0.08913	0.00043	0.04984
24	65.438	-0.00067	-0.08883	0.00043	0.04968
25	67.438	-0.00069	-0.08783	0.00043	0.04913
26	69.438	-0.00072	-0.08684	0.00044	0.04858
27	71.105	-0.00074	-0.08603	0.00044	0.04812

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 32
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 8 section b appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.06724	-4.10776	-0.01381	-0.64014
2	5.208	-0.03968	-2.41479	-0.01247	-0.54757
3	7.708	-0.02577	-1.60194	-0.01166	-0.50317
4	10.208	-0.01130	-0.78899	-0.01072	-0.45879
5	10.792	-0.00782	-0.59928	-0.01050	-0.44843
6	11.375	-0.00438	-0.41116	-0.01027	-0.43798
7	16.375	0.01701	0.91956	-0.00764	-0.33394
8	18.708	0.02058	1.24726	-0.00589	-0.27798
9	21.042	0.01884	1.26025	-0.00420	-0.22299
10	26.042	0.01089	0.89674	-0.00170	-0.12424
11	26.625	0.01002	0.84509	-0.00149	-0.11453
12	27.208	0.00916	0.79335	-0.00130	-0.10494
13	32.208	0.00278	0.37434	0.00009	-0.02825
14	37.823	-0.00093	0.03852	0.00072	0.02987
15	43.438	-0.00139	-0.09785	0.00063	0.05023
16	48.438	-0.00117	-0.12387	0.00051	0.05251
17	49.022	-0.00116	-0.12516	0.00050	0.05254
18	49.605	-0.00115	-0.12635	0.00049	0.05256
19	54.605	-0.00104	-0.13172	0.00044	0.05191
20	56.938	-0.00101	-0.13072	0.00043	0.05106
21	59.272	-0.00100	-0.12768	0.00043	0.05000
22	64.272	-0.00102	-0.12202	0.00043	0.04815
23	64.855	-0.00102	-0.12163	0.00043	0.04800
24	65.438	-0.00102	-0.12126	0.00043	0.04785
25	67.438	-0.00103	-0.12000	0.00043	0.04734
26	69.438	-0.00104	-0.11874	0.00043	0.04683
27	71.105	-0.00105	-0.11770	0.00043	0.04641

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 33
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 8 section c appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.00897	-0.49863	-0.00412	-0.23272
2	5.208	-0.00331	-0.13241	-0.00363	-0.20082
3	7.708	-0.00053	0.04344	-0.00336	-0.18551
4	10.208	0.00230	0.21933	-0.00304	-0.17020
5	10.792	0.00296	0.26038	-0.00296	-0.16663
6	11.375	0.00361	0.30036	-0.00288	-0.16295
7	16.375	0.00640	0.47253	-0.00198	-0.11427
8	18.708	0.00569	0.42636	-0.00141	-0.08242
9	21.042	0.00381	0.30515	-0.00086	-0.05111
10	26.042	0.00023	0.07320	-0.00005	-0.00528
11	26.625	-0.00004	0.05598	0.00001	-0.00200
12	27.208	-0.00030	0.03947	0.00007	0.00115
13	32.208	-0.00206	-0.08817	0.00049	0.02532
14	37.823	-0.00257	-0.16930	0.00060	0.04001
15	43.438	-0.00203	-0.18214	0.00046	0.04150
16	48.438	-0.00166	-0.17521	0.00038	0.03968
17	49.022	-0.00164	-0.17444	0.00037	0.03949
18	49.605	-0.00161	-0.17367	0.00037	0.03930
19	54.605	-0.00145	-0.16658	0.00033	0.03762
20	56.938	-0.00141	-0.16318	0.00032	0.03684
21	59.272	-0.00139	-0.16021	0.00032	0.03616
22	64.272	-0.00138	-0.15533	0.00032	0.03506
23	64.855	-0.00138	-0.15486	0.00032	0.03496
24	65.438	-0.00138	-0.15441	0.00032	0.03485
25	67.438	-0.00138	-0.15284	0.00031	0.03449
26	69.438	-0.00137	-0.15129	0.00031	0.03414
27	71.105	-0.00137	-0.14999	0.00031	0.03384

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 34
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 9 section top appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.01413	-2.33944	0.00698	0.46191
2	5.208	-0.02881	-3.32799	0.00387	0.30388
3	7.708	-0.03615	-3.80330	0.00227	0.22816
4	10.208	-0.04369	-4.27911	0.00059	0.15251
5	10.792	-0.04549	-4.39021	0.00018	0.13487
6	11.375	-0.04729	-4.49985	-0.00025	0.11718
7	16.375	-0.06200	-5.13621	-0.00546	-0.04198
8	18.708	-0.06440	-5.01370	-0.00886	-0.11853
9	21.042	-0.05675	-4.31795	-0.01204	-0.19109
10	26.042	-0.01554	-1.86710	-0.01649	-0.32908
11	26.625	-0.00895	-1.53960	-0.01680	-0.34379
12	27.208	-0.00235	-1.21170	-0.01699	-0.35830
13	32.208	0.04090	1.34200	-0.01704	-0.46238
14	37.823	0.05238	3.03159	-0.01228	-0.49910
15	43.438	0.03952	3.37598	-0.00651	-0.46773
16	48.438	0.03141	3.27923	-0.00432	-0.43779
17	49.022	0.03087	3.26687	-0.00419	-0.43508
18	49.605	0.03035	3.25450	-0.00407	-0.43241
19	54.605	0.02695	3.13433	-0.00333	-0.40988
20	56.938	0.02613	3.07319	-0.00319	-0.40044
21	59.272	0.02593	3.01711	-0.00321	-0.39287
22	64.272	0.02593	2.92301	-0.00332	-0.38021
23	64.855	0.02592	2.91409	-0.00333	-0.37890
24	65.438	0.02591	2.90528	-0.00333	-0.37760
25	67.438	0.02586	2.87521	-0.00335	-0.37316
26	69.438	0.02581	2.84528	-0.00337	-0.36874
27	71.105	0.02577	2.82041	-0.00339	-0.36508

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 35
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 9 section a appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.01213	-2.05385	0.00647	0.43296
2	5.208	-0.02543	-2.95504	0.00363	0.28843
3	7.708	-0.03207	-3.38834	0.00217	0.21917
4	10.208	-0.03888	-3.82210	0.00063	0.14999
5	10.792	-0.04050	-3.92338	0.00026	0.13386
6	11.375	-0.04213	-4.02342	-0.00013	0.11766
7	16.375	-0.05542	-4.61878	-0.00486	-0.03006
8	18.708	-0.05762	-4.52345	-0.00795	-0.10219
9	21.042	-0.05085	-3.90858	-0.01085	-0.17068
10	26.042	-0.01422	-1.70597	-0.01475	-0.29908
11	26.625	-0.00843	-1.40985	-0.01502	-0.31255
12	27.208	-0.00263	-1.11326	-0.01521	-0.32583
13	32.208	0.03595	1.19657	-0.01544	-0.42116
14	37.823	0.04654	2.72474	-0.01113	-0.45507
15	43.438	0.03538	3.03635	-0.00593	-0.42673
16	48.438	0.02822	2.94919	-0.00395	-0.39955
17	49.022	0.02773	2.93806	-0.00384	-0.39709
18	49.605	0.02728	2.92692	-0.00373	-0.39467
19	54.605	0.02425	2.81871	-0.00305	-0.37425
20	56.938	0.02351	2.76368	-0.00293	-0.36573
21	59.272	0.02332	2.71323	-0.00294	-0.35889
22	64.272	0.02331	2.62865	-0.00304	-0.34743
23	64.855	0.02330	2.62064	-0.00305	-0.34624
24	65.438	0.02329	2.61273	-0.00305	-0.34506
25	67.438	0.02325	2.58572	-0.00307	-0.34103
26	69.438	0.02320	2.55884	-0.00309	-0.33702
27	71.105	0.02316	2.53651	-0.00310	-0.33368

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 36
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 9 section b appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.00352	-0.86933	0.00441	0.31306
2	5.208	-0.01126	-1.40575	0.00272	0.22516
3	7.708	-0.01511	-1.66365	0.00185	0.18303
4	10.208	-0.01906	-1.92181	0.00094	0.14094
5	10.792	-0.01999	-1.98209	0.00071	0.13112
6	11.375	-0.02093	-2.04205	0.00049	0.12121
7	16.375	-0.02910	-2.46608	-0.00219	0.02201
8	18.708	-0.03095	-2.48425	-0.00392	-0.03107
9	21.042	-0.02792	-2.20728	-0.00558	-0.08197
10	26.042	-0.00921	-1.04198	-0.00774	-0.16952
11	26.625	-0.00619	-0.87694	-0.00790	-0.17780
12	27.208	-0.00316	-0.71122	-0.00804	-0.18590
13	32.208	0.01740	0.58103	-0.00842	-0.24435
14	37.823	0.02390	1.44146	-0.00614	-0.26589
15	43.438	0.01867	1.62360	-0.00338	-0.24973
16	48.438	0.01505	1.57947	-0.00232	-0.23394
17	49.022	0.01480	1.57365	-0.00226	-0.23252
18	49.605	0.01457	1.56781	-0.00220	-0.23112
19	54.605	0.01300	1.51058	-0.00183	-0.21940
20	56.938	0.01261	1.48116	-0.00175	-0.21455
21	59.272	0.01250	1.45404	-0.00176	-0.21069
22	64.272	0.01247	1.40864	-0.00180	-0.20419
23	64.855	0.01247	1.40436	-0.00180	-0.20351
24	65.438	0.01246	1.40014	-0.00180	-0.20284
25	67.438	0.01244	1.38573	-0.00181	-0.20053
26	69.438	0.01241	1.37139	-0.00182	-0.19824
27	71.105	0.01239	1.35947	-0.00182	-0.19634

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 37
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 9 section c appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.00530	0.29289	0.00216	0.16435
2	5.208	0.00281	0.11670	0.00160	0.13342
3	7.708	0.00157	0.03202	0.00131	0.11859
4	10.208	0.00031	-0.05271	0.00102	0.10376
5	10.792	0.00001	-0.07250	0.00094	0.10031
6	11.375	-0.00030	-0.09288	0.00087	0.09673
7	16.375	-0.00411	-0.34761	-0.00001	0.04903
8	18.708	-0.00604	-0.47787	-0.00057	0.01777
9	21.042	-0.00684	-0.53481	-0.00112	-0.01270
10	26.042	-0.00451	-0.39479	-0.00190	-0.05620
11	26.625	-0.00394	-0.35929	-0.00195	-0.05918
12	27.208	-0.00336	-0.32290	-0.00201	-0.06202
13	32.208	0.00093	-0.03496	-0.00222	-0.08239
14	37.823	0.00299	0.17202	-0.00173	-0.08943
15	43.438	0.00266	0.23353	-0.00104	-0.08330
16	48.438	0.00221	0.23483	-0.00076	-0.07771
17	49.022	0.00218	0.23442	-0.00074	-0.07722
18	49.605	0.00215	0.23399	-0.00073	-0.07674
19	54.605	0.00194	0.22808	-0.00062	-0.07276
20	56.938	0.00188	0.22405	-0.00060	-0.07115
21	59.272	0.00186	0.21979	-0.00060	-0.06991
22	64.272	0.00185	0.21252	-0.00060	-0.06785
23	64.855	0.00185	0.21188	-0.00060	-0.06764
24	65.438	0.00185	0.21125	-0.00060	-0.06743
25	67.438	0.00185	0.20909	-0.00060	-0.06670
26	69.438	0.00185	0.20694	-0.00060	-0.06597
27	71.105	0.00185	0.20515	-0.00060	-0.06537

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 38
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 10 section top appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.02434	-2.61741	-0.00328	-0.34055
2	5.208	-0.02455	-2.69674	-0.00325	-0.35211
3	7.708	-0.02463	-2.73541	-0.00323	-0.35776
4	10.208	-0.02471	-2.77444	-0.00321	-0.36347
5	10.792	-0.02472	-2.78359	-0.00320	-0.36482
6	11.375	-0.02474	-2.79287	-0.00319	-0.36617
7	16.375	-0.02478	-2.89003	-0.00309	-0.37920
8	18.708	-0.02500	-2.94757	-0.00307	-0.38695
9	21.042	-0.02584	-3.01020	-0.00321	-0.39658
10	26.042	-0.02928	-3.13360	-0.00395	-0.41952
11	26.625	-0.02980	-3.14634	-0.00408	-0.42223
12	27.208	-0.03035	-3.15907	-0.00421	-0.42500
13	32.208	-0.03849	-3.25895	-0.00640	-0.45532
14	37.823	-0.05136	-2.91710	-0.01218	-0.48694
15	43.438	-0.03985	-1.22738	-0.01693	-0.45011
16	48.438	0.00343	1.32841	-0.01689	-0.34571
17	49.022	0.01004	1.65667	-0.01670	-0.33115
18	49.605	0.01664	1.98446	-0.01639	-0.31640
19	54.605	0.05791	4.43743	-0.01194	-0.17794
20	56.938	0.06560	5.13395	-0.00876	-0.10511
21	59.272	0.06324	5.25724	-0.00536	-0.02830
22	64.272	0.04857	4.62320	-0.00014	0.13132
23	64.855	0.04676	4.51390	0.00028	0.14905
24	65.438	0.04497	4.40314	0.00069	0.16673
25	67.438	0.03891	4.02356	0.00206	0.22737
26	69.438	0.03294	3.64416	0.00338	0.28805
27	71.105	0.02801	3.32808	0.00446	0.33863

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 39
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 10 section a appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.02187	-2.35421	-0.00300	-0.31131
2	5.208	-0.02207	-2.42546	-0.00297	-0.32181
3	7.708	-0.02215	-2.46019	-0.00296	-0.32695
4	10.208	-0.02222	-2.49524	-0.00294	-0.33214
5	10.792	-0.02223	-2.50346	-0.00293	-0.33336
6	11.375	-0.02224	-2.51180	-0.00292	-0.33459
7	16.375	-0.02229	-2.59912	-0.00283	-0.34639
8	18.708	-0.02250	-2.65089	-0.00282	-0.35339
9	21.042	-0.02325	-2.70727	-0.00294	-0.36209
10	26.042	-0.02632	-2.81838	-0.00362	-0.38290
11	26.625	-0.02678	-2.82985	-0.00373	-0.38536
12	27.208	-0.02726	-2.84131	-0.00385	-0.38787
13	32.208	-0.03445	-2.93129	-0.00583	-0.41543
14	37.823	-0.04562	-2.62196	-0.01104	-0.44409
15	43.438	-0.03501	-1.09366	-0.01535	-0.41019
16	48.438	0.00360	1.21805	-0.01512	-0.31460
17	49.022	0.00941	1.51496	-0.01493	-0.30128
18	49.605	0.01521	1.81135	-0.01466	-0.28777
19	54.605	0.05189	4.01588	-0.01076	-0.15897
20	56.938	0.05870	4.63146	-0.00786	-0.09023
21	59.272	0.05653	4.72750	-0.00477	-0.01786
22	64.272	0.04327	4.13424	-0.00004	0.13027
23	64.855	0.04164	4.03450	0.00035	0.14650
24	65.438	0.04002	3.93353	0.00073	0.16267
25	67.438	0.03454	3.58747	0.00197	0.21813
26	69.438	0.02915	3.24159	0.00318	0.27363
27	71.105	0.02469	2.95344	0.00417	0.31989

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 40
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 10 section b appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.01170	-1.26281	-0.00176	-0.18300
2	5.208	-0.01181	-1.30080	-0.00175	-0.18903
3	7.708	-0.01186	-1.31933	-0.00174	-0.19197
4	10.208	-0.01190	-1.33803	-0.00173	-0.19494
5	10.792	-0.01190	-1.34242	-0.00173	-0.19564
6	11.375	-0.01191	-1.34687	-0.00173	-0.19634
7	16.375	-0.01195	-1.39374	-0.00169	-0.20304
8	18.708	-0.01207	-1.42158	-0.00169	-0.20700
9	21.042	-0.01247	-1.45173	-0.00176	-0.21196
10	26.042	-0.01406	-1.51052	-0.00213	-0.22393
11	26.625	-0.01430	-1.51653	-0.00220	-0.22536
12	27.208	-0.01454	-1.52253	-0.00226	-0.22682
13	32.208	-0.01818	-1.56817	-0.00332	-0.24289
14	37.823	-0.02342	-1.38722	-0.00609	-0.25938
15	43.438	-0.01691	-0.52671	-0.00837	-0.23798
16	48.438	0.00366	0.76656	-0.00799	-0.17945
17	49.022	0.00670	0.93244	-0.00784	-0.17132
18	49.605	0.00972	1.09763	-0.00769	-0.16303
19	54.605	0.02847	2.26401	-0.00552	-0.07528
20	56.938	0.03151	2.54140	-0.00386	-0.02426
21	59.272	0.02968	2.52366	-0.00214	0.02895
22	64.272	0.02152	2.10078	0.00054	0.12837
23	64.855	0.02058	2.04098	0.00077	0.13831
24	65.438	0.01964	1.98086	0.00099	0.14814
25	67.438	0.01648	1.77483	0.00173	0.18188
26	69.438	0.01335	1.56890	0.00245	0.21564
27	71.105	0.01077	1.39733	0.00303	0.24378

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 41
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 10 section c appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.00177	-0.19226	-0.00057	-0.06059
2	5.208	-0.00178	-0.19791	-0.00058	-0.06251
3	7.708	-0.00178	-0.20068	-0.00058	-0.06345
4	10.208	-0.00179	-0.20347	-0.00058	-0.06439
5	10.792	-0.00179	-0.20413	-0.00058	-0.06462
6	11.375	-0.00179	-0.20480	-0.00058	-0.06484
7	16.375	-0.00179	-0.21228	-0.00057	-0.06697
8	18.708	-0.00181	-0.21665	-0.00057	-0.06824
9	21.042	-0.00187	-0.22079	-0.00060	-0.06988
10	26.042	-0.00208	-0.22694	-0.00070	-0.07394
11	26.625	-0.00211	-0.22740	-0.00072	-0.07443
12	27.208	-0.00215	-0.22784	-0.00074	-0.07493
13	32.208	-0.00260	-0.22676	-0.00102	-0.08062
14	37.823	-0.00293	-0.16540	-0.00170	-0.08685
15	43.438	-0.00087	0.04161	-0.00220	-0.07985
16	48.438	0.00341	0.32970	-0.00199	-0.05944
17	49.022	0.00400	0.36611	-0.00193	-0.05660
18	49.605	0.00457	0.40163	-0.00187	-0.05361
19	54.605	0.00690	0.54189	-0.00110	-0.01006
20	56.938	0.00610	0.48508	-0.00055	0.02044
21	59.272	0.00416	0.35496	0.00001	0.05172
22	64.272	0.00035	0.10043	0.00090	0.09948
23	64.855	0.00004	0.08007	0.00097	0.10306
24	65.438	-0.00026	0.06030	0.00104	0.10653
25	67.438	-0.00127	-0.00743	0.00128	0.11841
26	69.438	-0.00228	-0.07515	0.00152	0.13030
27	71.105	-0.00311	-0.13157	0.00171	0.14021

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 42
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 11 section top appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.00083	0.08560	0.00045	0.04703
2	5.208	0.00075	0.08778	0.00044	0.04848
3	7.708	0.00072	0.08889	0.00043	0.04919
4	10.208	0.00067	0.09004	0.00043	0.04991
5	10.792	0.00066	0.09032	0.00043	0.05008
6	11.375	0.00065	0.09062	0.00042	0.05025
7	16.375	0.00060	0.09734	0.00041	0.05258
8	18.708	0.00060	0.10047	0.00041	0.05380
9	21.042	0.00061	0.09845	0.00043	0.05429
10	26.042	0.00065	0.07733	0.00049	0.05265
11	26.625	0.00065	0.07366	0.00050	0.05226
12	27.208	0.00066	0.06977	0.00051	0.05183
13	32.208	0.00075	0.00190	0.00067	0.04285
14	37.823	-0.00083	-0.29076	0.00071	-0.00452
15	43.438	-0.00861	-0.94678	-0.00056	-0.12022
16	48.438	-0.02113	-1.73064	-0.00315	-0.26384
17	49.022	-0.02280	-1.82647	-0.00352	-0.28155
18	49.605	-0.02450	-1.92117	-0.00390	-0.29937
19	54.605	-0.03896	-2.44876	-0.00877	-0.46185
20	56.938	-0.04118	-2.26725	-0.01209	-0.54364
21	59.272	-0.03235	-1.47087	-0.01543	-0.62685
22	64.272	0.01446	1.31186	-0.02078	-0.79705
23	64.855	0.02193	1.68565	-0.02124	-0.81592
24	65.438	0.02946	2.06165	-0.02158	-0.83473
25	67.438	0.05436	3.35072	-0.02269	-0.89917
26	69.438	0.07855	4.63967	-0.02402	-0.96362
27	71.105	0.09839	5.71379	-0.02514	-1.01737

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 43
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 11 section a appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.00087	0.09114	0.00044	0.04564
2	5.208	0.00081	0.09350	0.00043	0.04707
3	7.708	0.00078	0.09470	0.00043	0.04777
4	10.208	0.00074	0.09593	0.00042	0.04847
5	10.792	0.00073	0.09622	0.00042	0.04864
6	11.375	0.00072	0.09654	0.00042	0.04881
7	16.375	0.00068	0.10306	0.00041	0.05107
8	18.708	0.00068	0.10618	0.00041	0.05227
9	21.042	0.00070	0.10476	0.00042	0.05284
10	26.042	0.00074	0.08674	0.00048	0.05161
11	26.625	0.00075	0.08356	0.00049	0.05128
12	27.208	0.00076	0.08017	0.00050	0.05092
13	32.208	0.00087	0.02047	0.00066	0.04312
14	37.823	-0.00051	-0.24184	0.00069	0.00071
15	43.438	-0.00749	-0.83591	-0.00047	-0.10416
16	48.438	-0.01877	-1.54931	-0.00283	-0.23502
17	49.022	-0.02028	-1.63663	-0.00317	-0.25118
18	49.605	-0.02181	-1.72302	-0.00352	-0.26744
19	54.605	-0.03486	-2.21908	-0.00794	-0.41777
20	56.938	-0.03689	-2.07021	-0.01096	-0.49447
21	59.272	-0.02907	-1.36439	-0.01401	-0.57249
22	64.272	0.01260	1.13810	-0.01875	-0.73002
23	64.855	0.01918	1.47607	-0.01915	-0.74727
24	65.438	0.02582	1.81612	-0.01949	-0.76445
25	67.438	0.04798	2.98198	-0.02061	-0.82333
26	69.438	0.06953	4.14776	-0.02186	-0.88223
27	71.105	0.08720	5.11922	-0.02288	-0.93134

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 44
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 11 section b appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.00107	0.11478	0.00040	0.04263
2	5.208	0.00105	0.11798	0.00040	0.04397
3	7.708	0.00104	0.11956	0.00041	0.04462
4	10.208	0.00103	0.12117	0.00041	0.04528
5	10.792	0.00102	0.12155	0.00041	0.04543
6	11.375	0.00102	0.12195	0.00041	0.04559
7	16.375	0.00101	0.12769	0.00041	0.04748
8	18.708	0.00102	0.13077	0.00041	0.04857
9	21.042	0.00105	0.13183	0.00042	0.04943
10	26.042	0.00115	0.12661	0.00047	0.05011
11	26.625	0.00116	0.12543	0.00048	0.05009
12	27.208	0.00118	0.12416	0.00049	0.05006
13	32.208	0.00140	0.09827	0.00061	0.04778
14	37.823	0.00095	-0.03798	0.00069	0.02737
15	43.438	-0.00276	-0.37367	0.00006	-0.03087
16	48.438	-0.00913	-0.79251	-0.00133	-0.10764
17	49.022	-0.00999	-0.84424	-0.00153	-0.11724
18	49.605	-0.01086	-0.89587	-0.00173	-0.12697
19	54.605	-0.01881	-1.25946	-0.00423	-0.22577
20	56.938	-0.02055	-1.24663	-0.00593	-0.28077
21	59.272	-0.01697	-0.91908	-0.00767	-0.33674
22	64.272	0.00446	0.41173	-0.01032	-0.44081
23	64.855	0.00791	0.59990	-0.01055	-0.45127
24	65.438	0.01139	0.78964	-0.01078	-0.46164
25	67.438	0.02307	1.44018	-0.01158	-0.49717
26	69.438	0.03448	2.09067	-0.01232	-0.53271
27	71.105	0.04387	2.63273	-0.01290	-0.56233

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 45
date 11/09/2009; time 13:26:02
Cline Avenue - Load Rating - Double Box - 4 Webs - 71.105' W

Slab 11 section c appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.00128	0.13904	0.00029	0.03097
2	5.208	0.00130	0.14316	0.00029	0.03192
3	7.708	0.00131	0.14517	0.00029	0.03238
4	10.208	0.00132	0.14720	0.00030	0.03284
5	10.792	0.00132	0.14768	0.00030	0.03295
6	11.375	0.00132	0.14816	0.00030	0.03306
7	16.375	0.00133	0.15321	0.00030	0.03420
8	18.708	0.00134	0.15626	0.00030	0.03489
9	21.042	0.00139	0.15974	0.00031	0.03569
10	26.042	0.00155	0.16699	0.00035	0.03741
11	26.625	0.00158	0.16777	0.00036	0.03759
12	27.208	0.00160	0.16856	0.00036	0.03778
13	32.208	0.00197	0.17565	0.00045	0.03962
14	37.823	0.00251	0.16295	0.00058	0.03813
15	43.438	0.00200	0.08184	0.00047	0.02340
16	48.438	0.00023	-0.04587	0.00005	-0.00082
17	49.022	-0.00002	-0.06239	-0.00001	-0.00398
18	49.605	-0.00029	-0.07962	-0.00007	-0.00726
19	54.605	-0.00389	-0.31163	-0.00089	-0.05311
20	56.938	-0.00577	-0.43285	-0.00144	-0.08442
21	59.272	-0.00648	-0.47901	-0.00201	-0.11626
22	64.272	-0.00369	-0.30688	-0.00292	-0.16497
23	64.855	-0.00304	-0.26691	-0.00300	-0.16866
24	65.438	-0.00237	-0.22588	-0.00308	-0.17223
25	67.438	-0.00011	-0.08519	-0.00334	-0.18450
26	69.438	0.00215	0.05548	-0.00358	-0.19676
27	71.105	0.00402	0.17270	-0.00378	-0.20698

PROGRAM : BRUG(5.75.44 DATE : 11/09/2009 START : 13:26:02
PROJECT : VEH: R5 - MI DATE : 11/09/2009 END : 13:26:02
TOTAL (msec) : 375