```
        -------------------------- PROGRAM BRUG(5.75.44)
        --------------------------
        - INPUTFILE  : II_A_R5_EL.txt       -  OUTPUTFILE : II_A_R5_EL.OUT
        -
        - DATE       :    11/09/200         -  TIME       :     13:23:09
        -

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


                          ********** 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
    5 |* code 1001
    6 |Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wide
    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      102.0      48.33    1.0       1.0       1.3
   13 |* code 1004
   14 |    2    0    2
   15 |* code 1005
   16 |* Vehicle weight is 134.2 Kips, rounded to 135
   17 |  135
   18 |* code 1005a
   19 |* location traffic lanes
   20 |7.667     19.667
   21 |* maximum and minimum truck
   22 |6.667     41.667    10.000
   23 |* code 1007, linear loads
   24 |0.7350    0.441
   25 |47.5983   0.441
   26 |* code 1201
   27 |    8    5    4    2    3
   28 |* code 1202 coordinates
   29 | 0.0000   8.2500
   30 | 7.3125   8.2500
   31 | 7.3125   0.3333
   32 |24.1667   8.2500
   33 |24.1667   0.3333
   34 |41.0208   8.2500
   35 |41.0208   0.3333
   36 |48.3333   8.2500
   37 |* code 1203 - profile 1
   38 |    5    2    3    4
   39 |0.000     0.750
   40 |1.000     0.750
   41 |3.833     1.125
   42 |6.667     1.500
   43 |7.313     1.500
```



```
   44 |* code 1203 - profile 2
   45 |    7    2    3    4
          ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
          ^    ^
          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 |0.000     1.500
   47 |0.646     1.500
   48 |4.646     0.750
   49 |8.427     0.750
   50 |12.208    0.750
   51 |16.208    1.500
   52 |16.854    1.500
   53 |* code 1203 - profile 3
   54 |    5    2    3    4
   55 |0.000     1.500
   56 |0.646     1.500
   57 |3.479     1.125
   58 |6.313     0.750
   59 |7.313     0.750
   60 |* code 1203 - profile 4
   61 |    5    2    3    4
   62 |0.000     0.667
   63 |0.646     0.667
   64 |8.427     0.667
   65 |16.208    0.667
   66 |16.854    0.667
   67 |* code 1203 - profile 5
   68 |    5    2    3    4
   69 |0.000     1.292
   70 |0.750     1.292
   71 |4.167     1.292
   72 |7.583     1.292
   73 |7.917     1.292
   74 |* code 1204 - assembling boxgirder
   75 |    1    2    1
   76 |    2    4    2
   77 |    4    6    2
   78 |    6    8    3
   79 |    3    5    4
   80 |    5    7    4
   81 |    2    3    5
   82 |    4    5    5
   83 |    6    7    5
   84 |* code 1205 control code
   85 |    1    2   13    1    1    0    4   11     1.0       1.0
   86 |* code 1206 wheels/axle
   87 |       0.0
   88 |       1.5
   89 |       6.0
   90 |       7.5 0.833
   91 |* code 1207 definition axles
   92 |0.00      12.00
   93 |9.00      13.40
   94 |12.50     13.40
   95 |21.50     10.90
          ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
          ^    ^
          5   10   15   20   25   30   35   40   45   50   55   60   65   70
          75   80
```

II_A_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 |25.00     10.90
   97 |28.50     10.90
   98 |32.00     10.90
   99 |35.50     10.90
  100 |39.00     10.90
  101 |48.00     15.00
  102 |57.00     15.00
  103 |* code 1208 - accuracy
  104 |0.00001   0.00001   0.00001   .00001    .00001
  105 |* code 1209 number sections
  106 |   33
  107 |   1A   1B   1C   1R   2L   2A   2B   2C   2R   3L   3A   3B   3C   3R
  108 |   4L   4A   4B   4C   5A   5B   5C   6A   6B   6C
  109 |   7L   7A   7B   8L   8A   8B   9L   9A   9B
  110 |* code 1210 - density conrete
  111 |0.156
  112 |* code 1211 - extra forces selfweight
  113 |
  114 |* code 1212 - surcharge
  115 |1.2083
  116 |* code 1213 - Prestressing Layout - NONE
  117 |
  118 |
  119 |
          ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
          ^    ^
          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 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

Length 250.000
Equivalent length 102.000

Data cross-section boxgidruker

Number of nodes	8
Number of profiles	5
Number of topslabs	4
Number of bottomslabs	2
Number of webs	3

Node coordinates

Number	z	y
1	0.000	8.250
2	7.312	8.250
3	7.312	0.333
4	24.167	8.250
5	24.167	0.333
6	41.021	8.250
7	41.021	0.333
8	48.333	8.250

Slab data

num-ber	type	start node	end node	thickness	profile number	length
1	top	1	2	-	1	7.312
2	top	2	4	-	2	16.854
3	top	4	6	-	2	16.854
4	top	6	8	-	3	7.312
5	bottom	3	5	-	4	16.854
6	bottom	5	7	-	4	16.854
7	web	2	3	-	5	7.917
8	web	4	5	-	5	7.917
9	web	6	7	-	5	7.917

Data of profiles

Profile 1

section	z	thickness
1 (l)	0.000	0.750
2 (a)	1.000	0.750
3 (b)	3.833	1.125
4 (c)	6.667	1.500
5 (r)	7.313	1.500

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 2
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

Data cross-section boxgidruker (continued)

Data of profiles (continued)

Profile 2

section	z	thickness
1 (l)	0.000	1.500
2 (a)	0.646	1.500
3 (b)	4.646	0.750
4 (c)	8.427	0.750
5	12.208	0.750
6	16.208	1.500
7 (r)	16.854	1.500

Profile 3

section	z	thickness
1 (l)	0.000	1.500
2 (a)	0.646	1.500
3 (b)	3.479	1.125
4 (c)	6.313	0.750
5 (r)	7.313	0.750

Profile 4

section	z	thickness
1 (l)	0.000	0.667
2 (a)	0.646	0.667
3 (b)	8.427	0.667
4 (c)	16.208	0.667
5 (r)	16.854	0.667

Profile 5

section	z	thickness
1 (l)	0.000	1.292
2 (a)	0.750	1.292
3 (b)	4.167	1.292
4 (c)	7.583	1.292
5 (r)	7.917	1.292

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 13:23:09
 Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

 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 13:23:09
 Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

 Length             250.000
 Equivalent length  102.000

 Loadings

 General loadings

      Density concrete      0.156
      Dead load (topping)   1.208

 Dead load (linear)

 Distance linear loads to edge superstructure and magnitude
      Linear load      z         p
           1         0.735     0.441
           2        47.598     0.441

 Live load
      Loading class              135
      Max. numbers of vehicles     2
      Vehicle code                13
      Number of
             - axles              11
             - wheels / axle       4
             - trafficlanes        2
             - 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
           2        19.667

 Distance between edge of superstructure and centreline vehicle
      - minimum distance     6.667
      - maximum distance    41.667
```

Minimum distance between centreline vehicles 10.000

Reduction coefficient

Number Vehicles	coefficient Vehicle	U.D.L.
1	1.000	1.000
2	1.000	1.000

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 5
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

Loadings (continued)

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 6
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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 33

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

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 7
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

Length 250.000 Equivalent length 102.000

Transverse influence lines

Load on web

Node	1	2	3
1	1.40	0.89	0.71
2	1.40	0.93	0.68
	1.17	1.06	0.77
4	0.91	1.18	0.91
	0.77	1.06	1.17
6	0.68	0.93	1.40
8	0.71	0.89	1.40

Transverse loading distributions factors

web	Traffic lane 1	2
1	1.374	1.030
2	0.937	1.126
3	0.689	0.845

web	Lineair load 1	2
1	1.398	0.705
2	0.896	0.896
3	0.705	1.398

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 8
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

Selfweight 51 harmonic

Slab	section	moment	axialforce
1	A	-0.05	0.01
1	B	-0.96	0.25
1	C	-3.27	0.83
1	RIGHT	-4.03	1.03
2	LEFT	-3.67	0.86
2	A	-2.89	0.69
2	B	0.17	0.04
2	C	0.91	-0.02
2	RIGHT	-4.07	1.53
3	LEFT	-4.07	1.53
3	A	-3.27	1.31
3	B	-0.02	0.34
3	C	0.91	-0.02
3	RIGHT	-3.67	0.86
4	LEFT	-4.03	1.03
4	A	-3.27	0.83
4	B	-0.96	0.25
4	C	-0.05	0.01
5	A	-1.15	0.46
5	B	1.76	2.47
5	C	-1.60	1.74
6	A	-1.60	1.74
6	B	1.76	2.47
6	C	-1.15	0.46
7	TOP	-0.36	-2.51
7	A	-0.49	-2.19
7	B	-1.06	-0.59
8	TOP	0.00	-2.62
8	A	0.00	-2.20
8	B	0.00	-0.14
9	TOP	0.36	-2.51
9	A	0.49	-2.19
9	B	1.06	-0.59

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 9
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0217	-0.9986	0.0000	0.0011
2	7.312	0.0000	0.0004	0.0000	0.0010
	15.739	-0.0001	-0.0003	0.0000	0.0010
4	24.167	0.0000	-0.0006	0.0000	0.0010
	32.594	0.0000	-0.0001	0.0000	0.0009
6	41.021	0.0000	0.0003	0.0000	0.0008
8	48.333	0.0000	0.0000	0.0000	0.0008
Area		-0.0085	-0.4976	0.0009	0.0445

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.048	-0.048	0.015	0.015
Topping	-0.012	-0.012	0.001	0.001
Linear loads	-0.116	-0.116	0.001	0.001
Live load (incl. reduction factor)				
Vehicle(s)	0.036	-0.019	0.007	0.008
Total	-0.141	-0.196	0.024	0.025

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42
34.87 36.37 40.87 42.37

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
10.46 11.96 16.46 17.96
20.46 21.96 26.46 27.96

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 10
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0806	-3.8236	0.0004	0.0181
2	7.312	0.0001	0.0030	0.0006	0.0166
	15.739	-0.0008	-0.0018	0.0005	0.0163
4	24.167	-0.0001	-0.0034	0.0002	0.0164
	32.594	0.0001	-0.0003	0.0002	0.0144
6	41.021	0.0000	0.0023	0.0001	0.0130
8	48.333	0.0000	-0.0001	0.0002	0.0132
Area		-0.1542	-7.3192	0.0160	0.7433

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.960	-0.960	0.246	0.246
Topping	-0.183	-0.183	0.019	0.019
Linear loads	-1.362	-1.362	0.014	0.014
Live load (incl. reduction factor)				
Vehicle(s)	0.111	-0.814	0.132	0.178
Total	-2.395	-3.319	0.411	0.456

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
3.83 5.33 9.83 11.33
30.37 31.87 36.37 37.87

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42
12.92 14.42 18.92 20.42

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 11
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.1351	-6.6367	0.0017	0.0610
2	7.312	0.0002	0.0105	0.0022	0.0566
	15.739	-0.0032	-0.0050	0.0017	0.0552
4	24.167	-0.0002	-0.0107	0.0008	0.0552
	32.594	0.0002	-0.0006	0.0006	0.0486
6	41.021	0.0001	0.0078	0.0005	0.0442
8	48.333	0.0000	0.0000	0.0006	0.0445
Area		-0.4844	-22.1160	0.0560	2.5147

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.265	-3.265	0.833	0.833
Topping	-0.553	-0.553	0.063	0.063
Linear loads	-2.603	-2.603	0.046	0.046
Live load (incl. reduction factor)				
Vehicle(s)	0.048	-5.877	0.200	0.621
Total	-6.373	-12.299	1.142	1.563

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
27.92 29.42 33.92 35.42
37.92 39.42 43.92 45.42

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42
12.92 14.42 18.92 20.42

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 12
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.1477	-7.2758	0.0022	0.0750
2	7.312	0.0003	0.0132	0.0027	0.0697
	15.739	-0.0042	-0.0059	0.0021	0.0680
4	24.167	-0.0003	-0.0132	0.0010	0.0679
	32.594	0.0003	-0.0008	0.0007	0.0599
6	41.021	0.0002	0.0097	0.0006	0.0544
8	48.333	-0.0001	0.0001	0.0008	0.0548
Area		-0.5899	-26.6009	0.0695	3.0983

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.032	-4.032	1.026	1.026
Topping	-0.665	-0.665	0.077	0.077
Linear loads	-2.885	-2.885	0.057	0.057
Live load (incl. reduction factor)				
Vehicle(s)	0.062	-7.233	0.247	0.771
Total	-7.520	-14.815	1.408	1.932

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
27.92 29.42 33.92 35.42
37.92 39.42 43.92 45.42

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42
12.92 14.42 18.92 20.42

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 13
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0119	0.1458	0.0211	1.1203
2	7.312	0.0277	1.9508	0.0076	0.4082
	15.739	-0.0437	-1.8215	-0.0026	-0.1344
4	24.167	-0.0121	-0.8363	-0.0010	-0.0683
	32.594	-0.0080	-0.6924	-0.0011	-0.0814
6	41.021	-0.0121	-0.8837	-0.0017	-0.1109
8	48.333	-0.0077	-0.5390	-0.0006	-0.0393
Area		-0.5748	-24.9828	0.0732	3.4009

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.670	-3.670	0.859	0.859
Topping	-0.625	-0.625	0.085	0.085
Linear loads	-0.109	-0.109	0.442	0.442
Live load (incl. reduction factor)				
Vehicle(s)	0.189	-7.660	1.550	-0.242
Total	-4.214	-12.064	2.936	1.144

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

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
9.74 11.24 15.74 17.24
19.74 21.24 25.74 27.24

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 14
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0097	0.1116	0.0199	1.0683
2	7.312	0.0254	1.8020	0.0066	0.3685
	15.739	-0.0380	-1.5522	-0.0029	-0.1509
4	24.167	-0.0111	-0.7709	-0.0009	-0.0644
	32.594	-0.0076	-0.6492	-0.0010	-0.0776
6	41.021	-0.0112	-0.8190	-0.0017	-0.1101
8	48.333	-0.0071	-0.4989	-0.0005	-0.0337
Area		-0.4577	-19.9820	0.0601	2.8545

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-2.895	-2.895	0.685	0.685
Topping	-0.500	-0.500	0.071	0.071
Linear loads	-0.110	-0.110	0.422	0.422
Live load (incl. reduction factor)				
Vehicle(s)	1.159	-6.607	1.394	-0.652
Total	-2.345	-10.112	2.573	0.527

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

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
14.24 15.74 20.24 21.74
34.37 35.87 40.37 41.87

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0059	-0.1054	0.0137	0.7760
2	7.312	0.0126	0.8921	0.0023	0.1520
	15.739	-0.0012	0.1275	-0.0044	-0.2247
4	24.167	-0.0052	-0.3610	-0.0001	-0.0128
	32.594	-0.0048	-0.3885	-0.0002	-0.0290
6	41.021	-0.0059	-0.4323	-0.0014	-0.0819
8	48.333	-0.0036	-0.2534	0.0003	0.0243
Area		0.0294	1.7315	0.0108	0.7694

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.165	0.165	0.041	0.041
Topping	0.043	0.043	0.019	0.019
Linear loads	-0.122	-0.122	0.321	0.321
Live load (incl. reduction factor)				
Vehicle(s)	3.417	-2.054	-0.038	-0.354
Total	3.503	-1.968	0.342	0.026

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
5.96 7.46 11.96 13.46

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
19.52 21.02 25.52 27.02
34.37 35.87 40.37 41.87

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0058	-0.3244	0.0093	0.5378
2	7.312	0.0003	0.0257	-0.0005	-0.0145
	15.739	0.0374	1.7180	-0.0049	-0.2576
4	24.167	0.0005	0.0343	0.0014	0.0705
	32.594	-0.0024	-0.1382	0.0010	0.0490
6	41.021	-0.0009	-0.0671	-0.0007	-0.0253
8	48.333	-0.0001	-0.0194	0.0015	0.1085
Area		0.1690	7.5736	0.0016	0.4501

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.907	0.907	-0.022	-0.022
Topping	0.189	0.189	0.011	0.011
Linear loads	-0.138	-0.138	0.255	0.255
Live load (incl. reduction factor)				
Vehicle(s)	4.184	-0.493	-0.684	0.176
Total	5.142	0.465	-0.440	0.420

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
8.24 9.74 14.24 15.74
18.24 19.74 24.24 25.74

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
26.59 28.09 32.59 34.09
36.59 38.09 42.59 44.09

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0069	-0.7937	0.0021	0.1188
2	7.312	-0.0266	-1.8877	-0.0043	-0.2711
	15.739	-0.0629	-3.1524	-0.0033	-0.2210
4	24.167	0.0134	0.9190	0.0075	0.3583
	32.594	0.0000	0.4131	0.0061	0.3245
6	41.021	0.0099	0.7324	0.0023	0.2023
8	48.333	0.0077	0.4847	0.0056	0.3952
Area		-0.6658	-30.7358	0.0925	4.8601

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.074	-4.074	1.534	1.534
Topping	-0.768	-0.768	0.122	0.122
Linear loads	-0.174	-0.174	0.201	0.201
Live load (incl. reduction factor)				
Vehicle(s)	2.368	-13.188	1.846	-0.709
Total	-2.648	-18.204	3.702	1.147

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
24.17 25.67 30.17 31.67
37.92 39.42 43.92 45.42

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
4.24 5.74 10.24 11.74
14.24 15.74 20.24 21.74

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.0077	0.4847	0.0056	0.3952
2	7.312	0.0099	0.7324	0.0023	0.2023
	15.739	0.0000	0.4131	0.0061	0.3245
4	24.167	0.0134	0.9190	0.0075	0.3583
	32.594	-0.0629	-3.1524	-0.0033	-0.2210
6	41.021	-0.0266	-1.8877	-0.0043	-0.2711
8	48.333	-0.0069	-0.7937	0.0021	0.1188
Area		-0.6658	-30.7369	0.0925	4.8599

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.074	-4.074	1.534	1.534
Topping	-0.768	-0.768	0.122	0.122
Linear loads	-0.174	-0.174	0.201	0.201
Live load (incl. reduction factor)				
Vehicle(s)	2.076	-13.188	1.845	-0.710
Total	-2.940	-18.204	3.702	1.147

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
6.67 8.17 12.67 14.17
16.67 18.17 22.67 24.17

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
26.59 28.09 32.59 34.09
36.59 38.09 42.59 44.09

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.0070	0.4492	0.0052	0.3666
2	7.312	0.0091	0.6728	0.0019	0.1780
	15.739	0.0006	0.3710	0.0055	0.2968
4	24.167	0.0123	0.8499	0.0068	0.3299
	32.594	-0.0556	-2.7803	-0.0036	-0.2306
6	41.021	-0.0245	-1.7419	-0.0042	-0.2585
8	48.333	-0.0068	-0.7596	0.0026	0.1441
Area		-0.5407	-25.2955	0.0779	4.1974

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.268	-3.268	1.307	1.307
Topping	-0.632	-0.632	0.105	0.105
Linear loads	-0.171	-0.171	0.199	0.199
Live load (incl. reduction factor)				
Vehicle(s)	2.073	-11.361	1.714	-0.829
Total	-1.998	-15.432	3.325	0.783

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
7.31 8.81 13.31 14.81
17.31 18.81 23.31 24.81

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
27.92 29.42 33.92 35.42
37.92 39.42 43.92 45.42

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.0033	0.2134	0.0030	0.2168
2	7.312	0.0040	0.2969	0.0003	0.0559
	15.739	-0.0002	0.1120	0.0028	0.1521
4	24.167	0.0062	0.4309	0.0035	0.1797
	32.594	-0.0098	-0.4713	-0.0047	-0.2626
6	41.021	-0.0119	-0.8396	-0.0027	-0.1519
8	48.333	-0.0061	-0.5433	0.0057	0.3281
Area		-0.0104	-0.8625	0.0193	1.4135

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.018	-0.018	0.340	0.340
Topping	-0.022	-0.022	0.035	0.035
Linear loads	-0.155	-0.155	0.212	0.212
Live load (incl. reduction factor)				
Vehicle(s)	2.813	-2.248	0.486	-0.671
Total	2.618	-2.442	1.074	-0.083

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
21.31 22.81 27.31 28.81
6.46 7.96 12.46 13.96

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
34.87 36.37 40.87 42.37

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0001	-0.0194	0.0015	0.1085
2	7.312	-0.0009	-0.0671	-0.0007	-0.0253
	15.739	-0.0024	-0.1382	0.0010	0.0490
4	24.167	0.0005	0.0343	0.0014	0.0705
	32.594	0.0374	1.7180	-0.0049	-0.2576
6	41.021	0.0003	0.0257	-0.0005	-0.0145
8	48.333	-0.0058	-0.3244	0.0093	0.5378
Area		0.1690	7.5738	0.0016	0.4498

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.907	0.907	-0.022	-0.022
Topping	0.189	0.189	0.011	0.011
Linear loads	-0.138	-0.138	0.255	0.255
Live load (incl. reduction factor)				
Vehicle(s)	4.184	-0.493	-0.684	0.176
Total	5.142	0.465	-0.440	0.419

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
22.59 24.09 28.59 30.09
32.59 34.09 38.59 40.09

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
4.24 5.74 10.24 11.74
14.24 15.74 20.24 21.74

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0077	-0.5390	-0.0006	-0.0393
2	7.312	-0.0121	-0.8837	-0.0017	-0.1109
	15.739	-0.0080	-0.6924	-0.0011	-0.0814
4	24.167	-0.0121	-0.8363	-0.0010	-0.0683
	32.594	-0.0437	-1.8215	-0.0026	-0.1344
6	41.021	0.0277	1.9508	0.0076	0.4082
8	48.333	-0.0119	0.1458	0.0211	1.1203
Area		-0.5748	-24.9812	0.0732	3.4006

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.670	-3.670	0.859	0.859
Topping	-0.625	-0.625	0.085	0.085
Linear loads	-0.108	-0.108	0.442	0.442
Live load (incl. reduction factor)				
Vehicle(s)	0.190	-7.660	1.550	-0.242
Total	-4.213	-12.063	2.936	1.144

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
37.92 39.42 43.92 45.42

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
21.09 22.59 27.09 28.59
31.09 32.59 37.09 38.59

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0001	0.0001	0.0008	0.0547
2	7.312	0.0002	0.0097	0.0006	0.0544
	15.739	0.0003	-0.0008	0.0007	0.0599
4	24.167	-0.0003	-0.0132	0.0010	0.0679
	32.594	-0.0042	-0.0059	0.0021	0.0680
6	41.021	0.0003	0.0132	0.0027	0.0697
8	48.333	-0.1477	-7.2758	0.0022	0.0750
Area		-0.5898	-26.5976	0.0695	3.0982

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.031	-4.031	1.026	1.026
Topping	-0.665	-0.665	0.077	0.077
Linear loads	-2.885	-2.885	0.057	0.057
Live load (incl. reduction factor)				
Vehicle(s)	0.062	-7.233	0.247	0.771
Total	-7.520	-14.814	1.408	1.932

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42
12.92 14.42 18.92 20.42

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
27.92 29.42 33.92 35.42
37.92 39.42 43.92 45.42

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.0000	0.0000	0.0006	0.0445
2	7.312	0.0001	0.0078	0.0005	0.0442
	15.739	0.0002	-0.0006	0.0006	0.0486
4	24.167	-0.0002	-0.0107	0.0008	0.0552
	32.594	-0.0032	-0.0050	0.0017	0.0552
6	41.021	0.0002	0.0105	0.0022	0.0566
8	48.333	-0.1351	-6.6367	0.0017	0.0610
Area		-0.4844	-22.1130	0.0560	2.5146

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.265	-3.265	0.833	0.833
Topping	-0.553	-0.553	0.063	0.063
Linear loads	-2.603	-2.603	0.046	0.046
Live load (incl. reduction factor)				
Vehicle(s)	0.048	-5.878	0.200	0.621
Total	-6.373	-12.299	1.142	1.563

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42
12.92 14.42 18.92 20.42

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
27.92 29.42 33.92 35.42
37.92 39.42 43.92 45.42

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.0000	-0.0001	0.0002	0.0132
2	7.312	0.0000	0.0023	0.0001	0.0130
	15.739	0.0001	-0.0003	0.0002	0.0144
4	24.167	-0.0001	-0.0034	0.0002	0.0164
	32.594	-0.0008	-0.0018	0.0005	0.0163
6	41.021	0.0001	0.0030	0.0006	0.0167
8	48.333	-0.0806	-3.8246	0.0004	0.0182
Area		-0.1542	-7.3214	0.0160	0.7437

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.961	-0.961	0.246	0.246
Topping	-0.183	-0.183	0.019	0.019
Linear loads	-1.363	-1.363	0.014	0.014
Live load (incl. reduction factor)				
Vehicle(s)	0.110	-0.815	0.132	0.178
Total	-2.396	-3.321	0.411	0.457

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
37.00 38.50 43.00 44.50
10.46 11.96 16.46 17.96

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
27.92 29.42 33.92 35.42
37.92 39.42 43.92 45.42

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.0000	0.0000	0.0000	0.0008
2	7.312	0.0000	0.0003	0.0000	0.0008
	15.739	0.0000	-0.0001	0.0000	0.0009
4	24.167	0.0000	-0.0006	0.0000	0.0010
	32.594	-0.0001	-0.0003	0.0000	0.0010
6	41.021	0.0000	0.0004	0.0000	0.0010
8	48.333	-0.0217	-0.9986	0.0000	0.0011
Area		-0.0085	-0.4973	0.0009	0.0445

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.048	-0.048	0.015	0.015
Topping	-0.012	-0.012	0.001	0.001
Linear loads	-0.116	-0.116	0.001	0.001
Live load (incl. reduction factor)				
Vehicle(s)	0.035	-0.019	0.006	0.008
Total	-0.142	-0.196	0.023	0.025

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
37.92 39.42 43.92 45.42

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
20.37 21.87 26.37 27.87
30.37 31.87 36.37 37.87

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.0121	0.7857	-0.0174	-0.9853
2	7.312	0.0092	0.6521	-0.0038	-0.2911
	15.739	0.0020	0.1710	0.0051	0.2263
4	24.167	-0.0034	-0.2376	0.0020	0.1396
	32.594	-0.0053	-0.3710	0.0019	0.1445
6	41.021	-0.0048	-0.3486	0.0024	0.1714
8	48.333	-0.0024	-0.1804	0.0014	0.0956
Area		0.0109	0.7229	0.0151	0.5940

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.155	-1.155	0.456	0.456
Topping	0.018	0.018	0.015	0.015
Linear loads	0.254	0.254	-0.358	-0.358
Live load (incl. reduction factor)				
Vehicle(s)	1.814	-1.620	-0.243	0.702
Total	0.931	-2.502	-0.130	0.815

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42
12.92 14.42 18.92 20.42

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
26.37 27.87 32.37 33.87
36.37 37.87 42.37 43.87

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.0011	0.0632	-0.0057	-0.3679
2	7.312	0.0000	0.0013	0.0045	0.1758
	15.739	-0.0008	-0.0439	0.0080	0.4137
4	24.167	-0.0001	-0.0035	0.0009	0.0845
	32.594	0.0004	0.0237	0.0012	0.0968
6	41.021	0.0001	0.0035	0.0030	0.1676
8	48.333	-0.0001	-0.0080	0.0009	0.0385
Area		-0.0001	0.0085	0.1333	6.9386

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	1.761	1.761	2.466	2.466
Topping	0.000	0.000	0.173	0.173
Linear loads	0.022	0.022	-0.115	-0.115
Live load (incl. reduction factor)				
Vehicle(s)	0.076	-0.130	0.666	1.714
Total	1.859	1.653	3.190	4.238

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42
26.59 28.09 32.59 34.09

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
8.24 9.74 14.24 15.74
18.24 19.74 24.24 25.74

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0094	-0.6576	0.0011	0.0566
2	7.312	-0.0091	-0.6482	0.0079	0.4505
	15.739	-0.0038	-0.2577	0.0069	0.4185
4	24.167	0.0033	0.2316	-0.0040	-0.1398
	32.594	0.0063	0.4198	-0.0023	-0.1099
6	41.021	0.0049	0.3571	0.0016	0.0121
8	48.333	0.0021	0.1658	-0.0017	-0.1681
Area		-0.0089	-0.6442	0.0836	5.0183

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.603	-1.603	1.739	1.739
Topping	-0.016	-0.016	0.125	0.125
Linear loads	-0.208	-0.208	-0.024	-0.024
Live load (incl. reduction factor)				
Vehicle(s)	1.795	-1.991	-0.484	2.003
Total	-0.032	-3.818	1.356	3.844

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
25.09 26.59 31.09 32.59
35.09 36.59 41.09 42.59

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
2.92 4.42 8.92 10.42
12.92 14.42 18.92 20.42

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.0021	0.1658	-0.0017	-0.1681
2	7.312	0.0049	0.3571	0.0016	0.0121
	15.739	0.0063	0.4198	-0.0023	-0.1099
4	24.167	0.0033	0.2316	-0.0040	-0.1398
	32.594	-0.0038	-0.2577	0.0069	0.4185
6	41.021	-0.0091	-0.6482	0.0079	0.4505
8	48.333	-0.0094	-0.6576	0.0011	0.0566
Area		-0.0089	-0.6445	0.0836	5.0185

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.603	-1.603	1.739	1.739
Topping	-0.016	-0.016	0.125	0.125
Linear loads	-0.208	-0.208	-0.024	-0.024
Live load (incl. reduction factor)				
Vehicle(s)	1.795	-1.991	-0.484	2.003
Total	-0.032	-3.818	1.356	3.844

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
5.74 7.24 11.74 13.24
15.74 17.24 21.74 23.24

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
27.92 29.42 33.92 35.42
37.92 39.42 43.92 45.42

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0001	-0.0080	0.0009	0.0385
2	7.312	0.0001	0.0035	0.0030	0.1676
	15.739	0.0004	0.0237	0.0012	0.0968
4	24.167	-0.0001	-0.0035	0.0009	0.0845
	32.594	-0.0008	-0.0439	0.0080	0.4137
6	41.021	0.0000	0.0013	0.0045	0.1758
8	48.333	0.0011	0.0632	-0.0057	-0.3679
Area		-0.0001	0.0085	0.1333	6.9388

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	1.761	1.761	2.466	2.466
Topping	0.000	0.000	0.173	0.173
Linear loads	0.022	0.022	-0.115	-0.115
Live load (incl. reduction factor)				
Vehicle(s)	0.076	-0.130	0.666	1.714
Total	1.859	1.653	3.190	4.238

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
37.92 39.42 43.92 45.42
14.24 15.74 20.24 21.74

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
22.59 24.09 28.59 30.09
32.59 34.09 38.59 40.09

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0024	-0.1804	0.0014	0.0956
2	7.312	-0.0048	-0.3486	0.0024	0.1714
	15.739	-0.0053	-0.3710	0.0019	0.1445
4	24.167	-0.0034	-0.2376	0.0020	0.1396
	32.594	0.0020	0.1710	0.0051	0.2263
6	41.021	0.0092	0.6521	-0.0038	-0.2911
8	48.333	0.0121	0.7857	-0.0174	-0.9853
Area		0.0109	0.7231	0.0151	0.5942

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.155	-1.155	0.457	0.457
Topping	0.018	0.018	0.015	0.015
Linear loads	0.254	0.254	-0.358	-0.358
Live load (incl. reduction factor)				
Vehicle(s)	1.814	-1.619	-0.243	0.702
Total	0.931	-2.502	-0.130	0.815

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
27.92 29.42 33.92 35.42
37.92 39.42 43.92 45.42

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
4.46 5.96 10.46 11.96
14.46 15.96 20.46 21.96

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

Slab 7 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	-0.1358	-7.4216	-0.0235	-0.9353
2	7.312	-0.0273	-1.9376	-0.0198	-0.7647
	15.739	0.0395	1.8155	-0.0107	-0.4178
4	24.167	0.0118	0.8231	-0.0015	-0.1052
	32.594	0.0083	0.6917	-0.0006	-0.0674
6	41.021	0.0122	0.8934	-0.0013	-0.0975
8	48.333	0.0077	0.5391	-0.0009	-0.0621
Area		-0.0151	-1.6181	-0.3617	-15.3212

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.361	-0.361	-2.510	-2.510
Topping	-0.040	-0.040	-0.383	-0.383
Linear loads	-2.777	-2.777	-0.434	-0.434
Live load (incl. reduction factor)				
Vehicle(s)	7.050	-6.882	-1.538	-3.413
Total	3.872	-10.061	-4.865	-6.740

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
14.24 15.74 20.24 21.74
34.37 35.87 40.37 41.87

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

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.1203	-6.6337	-0.0214	-0.8556
2	7.312	-0.0237	-1.6829	-0.0166	-0.7001
	15.739	0.0354	1.6625	-0.0097	-0.3809
4	24.167	0.0103	0.7191	-0.0014	-0.0923
	32.594	0.0070	0.5857	-0.0005	-0.0563
6	41.021	0.0106	0.7710	-0.0012	-0.0842
8	48.333	0.0067	0.4685	-0.0008	-0.0544
Area		-0.0130	-1.3856	-0.3225	-13.8820

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.486	-0.486	-2.194	-2.194
Topping	-0.035	-0.035	-0.347	-0.347
Linear loads	-2.486	-2.486	-0.396	-0.396
Live load (incl. reduction factor)				
Vehicle(s)	6.227	-6.025	-1.383	-3.045
Total	3.220	-9.032	-4.319	-5.981

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
14.24 15.74 20.24 21.74
34.37 35.87 40.37 41.87

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

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0545	-3.0608	-0.0113	-0.4820
2	7.312	-0.0075	-0.5379	-0.0095	-0.3968
	15.739	0.0187	0.9612	-0.0048	-0.2023
4	24.167	0.0036	0.2512	-0.0003	-0.0231
	32.594	0.0009	0.1109	0.0002	0.0040
6	41.021	0.0030	0.2205	-0.0003	-0.0147
8	48.333	0.0022	0.1510	-0.0002	-0.0107
Area		-0.0019	-0.3435	-0.1597	-6.8533

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.055	-1.055	-0.593	-0.593
Topping	-0.009	-0.009	-0.171	-0.171
Linear loads	-1.168	-1.168	-0.214	-0.214
Live load (incl. reduction factor)				
Vehicle(s)	3.208	-2.269	-1.212	-1.637
Total	0.976	-4.501	-2.190	-2.615

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
9.74 11.24 15.74 17.24
19.74 21.24 25.74 27.24

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

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0146	-1.2784	0.0009	0.0015
2	7.312	-0.0365	-2.6201	-0.0020	-0.1338
	15.739	-0.0630	-3.5656	-0.0124	-0.5105
4	24.167	0.0000	0.0000	-0.0200	-0.7854
	32.594	0.0630	3.5656	-0.0124	-0.5105
6	41.021	0.0365	2.6201	-0.0020	-0.1338
8	48.333	0.0146	1.2784	0.0009	0.0015
Area		0.0000	0.0011	-0.4047	-17.4875

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.000	0.000	-2.620	-2.620
Topping	0.000	0.000	-0.437	-0.437
Linear loads	0.000	0.000	-0.011	-0.011
Live load (incl. reduction factor)				
Vehicle(s)	15.030	-15.030	-3.076	-3.076
Total	15.030	-15.029	-6.144	-6.144

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
26.59 28.09 32.59 34.09
36.59 38.09 42.59 44.09

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
4.24 5.74 10.24 11.74
14.24 15.74 20.24 21.74

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0120	-1.0678	0.0009	0.0082
2	7.312	-0.0315	-2.2630	-0.0017	-0.1175
	15.739	-0.0553	-3.1553	-0.0113	-0.4646
4	24.167	0.0000	0.0000	-0.0182	-0.7170
	32.594	0.0553	3.1553	-0.0113	-0.4646
6	41.021	0.0315	2.2630	-0.0017	-0.1175
8	48.333	0.0120	1.0678	0.0009	0.0082
Area		0.0000	0.0010	-0.3674	-15.8212

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.000	0.000	-2.203	-2.203
Topping	0.000	0.000	-0.396	-0.396
Linear loads	0.000	0.000	-0.004	-0.004
Live load (incl. reduction factor)				
Vehicle(s)	13.128	-13.127	-2.795	-2.795
Total	13.128	-13.127	-5.397	-5.397

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
26.59 28.09 32.59 34.09
36.59 38.09 42.59 44.09

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
4.24 5.74 10.24 11.74
14.24 15.74 20.24 21.74

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0003	-0.1248	0.0011	0.0486
2	7.312	-0.0091	-0.6572	-0.0005	-0.0329
	15.739	-0.0228	-1.2990	-0.0058	-0.2454
4	24.167	0.0000	0.0000	-0.0098	-0.3963
	32.594	0.0228	1.2990	-0.0058	-0.2454
6	41.021	0.0091	0.6572	-0.0005	-0.0329
8	48.333	0.0003	0.1248	0.0011	0.0486
Area		0.0000	0.0004	-0.1829	-7.7408

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.000	0.000	-0.140	-0.140
Topping	0.000	0.000	-0.194	-0.194
Linear loads	0.000	0.000	0.036	0.036
Live load (incl. reduction factor)				
Vehicle(s)	4.866	-4.866	-1.408	-1.408
Total	4.866	-4.866	-1.705	-1.705

Maximum moment : 2 vehicle(s) decisive
Location of wheels z =
26.59 28.09 32.59 34.09
36.59 38.09 42.59 44.09

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
4.24 5.74 10.24 11.74
14.24 15.74 20.24 21.74

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0077	-0.5391	-0.0009	-0.0621
2	7.312	-0.0122	-0.8934	-0.0013	-0.0975
	15.739	-0.0083	-0.6917	-0.0006	-0.0674
4	24.167	-0.0118	-0.8231	-0.0015	-0.1052
	32.594	-0.0395	-1.8155	-0.0107	-0.4178
6	41.021	0.0273	1.9376	-0.0198	-0.7647
8	48.333	0.1358	7.4216	-0.0235	-0.9353
Area		0.0151	1.6165	-0.3617	-15.3211

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.361	0.361	-2.510	-2.510
Topping	0.040	0.040	-0.383	-0.383
Linear loads	2.777	2.777	-0.434	-0.434
Live load (incl. reduction factor)				
Vehicle(s)	6.883	-7.050	-3.413	-1.537
Total	10.061	-3.872	-6.740	-4.865

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
37.92 39.42 43.92 45.42

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
26.59 28.09 32.59 34.09
6.46 7.96 12.46 13.96

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0067	-0.4685	-0.0008	-0.0544
2	7.312	-0.0106	-0.7709	-0.0012	-0.0842
	15.739	-0.0070	-0.5857	-0.0005	-0.0563
4	24.167	-0.0103	-0.7191	-0.0014	-0.0923
	32.594	-0.0354	-1.6625	-0.0097	-0.3809
6	41.021	0.0237	1.6829	-0.0166	-0.7001
8	48.333	0.1203	6.6337	-0.0214	-0.8556
Area		0.0130	1.3841	-0.3225	-13.8819

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.486	0.486	-2.194	-2.194
Topping	0.035	0.035	-0.347	-0.347
Linear loads	2.486	2.486	-0.396	-0.396
Live load (incl. reduction factor)				
Vehicle(s)	6.026	-6.227	-3.045	-1.383
Total	9.033	-3.221	-5.981	-4.319

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
37.92 39.42 43.92 45.42

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
26.59 28.09 32.59 34.09
6.46 7.96 12.46 13.96

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.0022	-0.1510	-0.0002	-0.0107
2	7.312	-0.0030	-0.2205	-0.0003	-0.0147
	15.739	-0.0009	-0.1109	0.0002	0.0040
4	24.167	-0.0036	-0.2512	-0.0003	-0.0231
	32.594	-0.0187	-0.9612	-0.0048	-0.2023
6	41.021	0.0075	0.5379	-0.0095	-0.3968
8	48.333	0.0545	3.0608	-0.0113	-0.4820
Area		0.0019	0.3426	-0.1597	-6.8533

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	1.055	1.055	-0.593	-0.593
Topping	0.009	0.009	-0.171	-0.171
Linear loads	1.168	1.168	-0.214	-0.214
Live load (incl. reduction factor)				
Vehicle(s)	2.269	-3.208	-1.637	-1.212
Total	4.502	-0.976	-2.615	-2.190

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
37.92 39.42 43.92 45.42

Minimum moment : 2 vehicle(s) decisive
Location of wheels z =
21.09 22.59 27.09 28.59
31.09 32.59 37.09 38.59

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LOAD ON THE WEBS

WEB	S.W.
1	5.33
2	5.34
3	5.33

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Summary of the results (Maximum)

Section	--- Deadload ---		----- P.T. ------		--- Live load ---	
	Moment	Ax.Frc	Moment	Ax.Frc	Moment	Ax.Frc
1 a	-0.18	0.02	0.00	0.00	0.04	0.01
1 b	-2.51	0.28	0.00	0.00	0.11	0.13
1 c	-6.42	0.94	0.00	0.00	0.05	0.20
1 right	-7.58	1.16	0.00	0.00	0.06	0.25
2 left	-4.40	1.39	0.00	0.00	0.19	1.55
2 a	-3.50	1.18	0.00	0.00	1.16	1.39
2 b	0.09	0.38	0.00	0.00	3.42	-0.04
2 c	0.96	0.24	0.00	0.00	4.18	-0.68
2 right	-5.02	1.86	0.00	0.00	2.37	1.85
3 left	-5.02	1.86	0.00	0.00	2.08	1.85
3 a	-4.07	1.61	0.00	0.00	2.07	1.71
3 b	-0.19	0.59	0.00	0.00	2.81	0.49
3 c	0.96	0.24	0.00	0.00	4.18	-0.68
3 right	-4.40	1.39	0.00	0.00	0.19	1.55
4 left	-7.58	1.16	0.00	0.00	0.06	0.25
4 a	-6.42	0.94	0.00	0.00	0.05	0.20
4 b	-2.51	0.28	0.00	0.00	0.11	0.13
4 c	-0.18	0.02	0.00	0.00	0.03	0.01
5 a	-0.88	0.11	0.00	0.00	1.81	-0.24
5 b	1.78	2.52	0.00	0.00	0.08	0.67
5 c	-1.83	1.84	0.00	0.00	1.80	-0.48
6 a	-1.83	1.84	0.00	0.00	1.80	-0.48
6 b	1.78	2.52	0.00	0.00	0.08	0.67
6 c	-0.88	0.11	0.00	0.00	1.81	-0.24
7 top	-3.18	-3.33	0.00	0.00	7.05	-1.54
7 a	-3.01	-2.94	0.00	0.00	6.23	-1.38
7 b	-2.23	-0.98	0.00	0.00	3.21	-1.21
8 top	0.00	-3.07	0.00	0.00	15.03	-3.08
8 a	0.00	-2.60	0.00	0.00	13.13	-2.80
8 b	0.00	-0.30	0.00	0.00	4.87	-1.41
9 top	3.18	-3.33	0.00	0.00	6.88	-3.41
9 a	3.01	-2.94	0.00	0.00	6.03	-3.04
9 b	2.23	-0.98	0.00	0.00	2.27	-1.64

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

Summary of the results (Minimum)

Section	--- Deadload ----		----- P.T. ------		--- Live load ---	
	Moment	Ax.Frc	Moment	Ax.Frc	Moment	Ax.Frc
1 a	-0.18	0.02	0.00	0.00	-0.02	0.01
1 b	-2.51	0.28	0.00	0.00	-0.81	0.18
1 c	-6.42	0.94	0.00	0.00	-5.88	0.62
1 right	-7.58	1.16	0.00	0.00	-7.23	0.77
2 left	-4.40	1.39	0.00	0.00	-7.66	-0.24
2 a	-3.50	1.18	0.00	0.00	-6.61	-0.65
2 b	0.09	0.38	0.00	0.00	-2.05	-0.35
2 c	0.96	0.24	0.00	0.00	-0.49	0.18
2 right	-5.02	1.86	0.00	0.00	-13.19	-0.71
3 left	-5.02	1.86	0.00	0.00	-13.19	-0.71
3 a	-4.07	1.61	0.00	0.00	-11.36	-0.83
3 b	-0.19	0.59	0.00	0.00	-2.25	-0.67
3 c	0.96	0.24	0.00	0.00	-0.49	0.18
3 right	-4.40	1.39	0.00	0.00	-7.66	-0.24
4 left	-7.58	1.16	0.00	0.00	-7.23	0.77
4 a	-6.42	0.94	0.00	0.00	-5.88	0.62
4 b	-2.51	0.28	0.00	0.00	-0.81	0.18
4 c	-0.18	0.02	0.00	0.00	-0.02	0.01
5 a	-0.88	0.11	0.00	0.00	-1.62	0.70
5 b	1.78	2.52	0.00	0.00	-0.13	1.71
5 c	-1.83	1.84	0.00	0.00	-1.99	2.00
6 a	-1.83	1.84	0.00	0.00	-1.99	2.00
6 b	1.78	2.52	0.00	0.00	-0.13	1.71
6 c	-0.88	0.11	0.00	0.00	-1.62	0.70
7 top	-3.18	-3.33	0.00	0.00	-6.88	-3.41
7 a	-3.01	-2.94	0.00	0.00	-6.03	-3.04
7 b	-2.23	-0.98	0.00	0.00	-2.27	-1.64
8 top	0.00	-3.07	0.00	0.00	-15.03	-3.08
8 a	0.00	-2.60	0.00	0.00	-13.13	-2.80
8 b	0.00	-0.30	0.00	0.00	-4.87	-1.41
9 top	3.18	-3.33	0.00	0.00	-7.05	-1.54
9 a	3.01	-2.94	0.00	0.00	-6.23	-1.38
9 b	2.23	-0.98	0.00	0.00	-3.21	-1.21

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

slab	section	moment	axial force
1	A	51	41
1	B	51	49
1	C	51	51
1	RIGHT	51	51
2	LEFT	51	41
2	A	51	39
2	B	51	31
2	C	51	31
2	RIGHT	51	51
3	LEFT	51	51
3	A	51	51
3	B	51	27
3	C	51	31
3	RIGHT	51	41
4	LEFT	51	51
4	A	51	51
4	B	51	49
4	C	51	41
5	A	27	27
5	B	23	25
5	C	25	31
6	A	25	31
6	B	23	25
6	C	27	27
7	TOP	37	51
7	A	33	49
7	B	27	37
8	TOP	35	51
8	A	31	51
8	B	27	51
9	TOP	37	51
9	A	33	49
9	B	27	37

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.02167	-0.99864	0.00002	0.00109
2	1.000	0.00119	0.00135	0.00002	0.00107
3	3.833	0.00037	0.00087	0.00003	0.00104
4	6.667	0.00004	0.00050	0.00004	0.00100
5	7.312	0.00001	0.00042	0.00004	0.00099
6	7.958	-0.00002	0.00034	0.00004	0.00098
7	11.959	-0.00012	-0.00009	0.00004	0.00095
8	15.739	-0.00010	-0.00034	0.00003	0.00097
9	19.520	-0.00005	-0.00044	0.00002	0.00100
10	23.520	-0.00001	-0.00053	0.00001	0.00099
11	24.167	-0.00001	-0.00055	0.00001	0.00099
12	24.813	-0.00001	-0.00057	0.00001	0.00098
13	28.813	0.00000	-0.00049	0.00001	0.00094
14	32.594	0.00001	-0.00007	0.00001	0.00086
15	36.375	0.00001	0.00032	0.00001	0.00080
16	40.375	0.00001	0.00034	0.00001	0.00078
17	41.021	0.00001	0.00032	0.00001	0.00078
18	41.667	0.00001	0.00028	0.00001	0.00078
19	44.500	0.00000	0.00014	0.00001	0.00079
20	47.334	0.00000	0.00000	0.00001	0.00079
21	48.333	0.00000	-0.00005	0.00001	0.00079

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.08057	-3.82361	0.00044	0.01814
2	1.000	-0.05918	-2.82457	0.00046	0.01794
3	3.833	0.00240	0.00592	0.00053	0.01735
4	6.667	0.00032	0.00351	0.00062	0.01677
5	7.312	0.00006	0.00301	0.00064	0.01665
6	7.958	-0.00016	0.00253	0.00065	0.01652
7	11.959	-0.00094	-0.00022	0.00066	0.01606
8	15.739	-0.00080	-0.00183	0.00049	0.01625
9	19.520	-0.00033	-0.00252	0.00030	0.01659
10	23.520	-0.00008	-0.00322	0.00023	0.01646
11	24.167	-0.00006	-0.00336	0.00023	0.01639
12	24.813	-0.00005	-0.00350	0.00023	0.01631
13	28.813	0.00002	-0.00299	0.00021	0.01555
14	32.594	0.00006	-0.00026	0.00017	0.01438
15	36.375	0.00007	0.00230	0.00014	0.01339
16	40.375	0.00005	0.00244	0.00014	0.01305
17	41.021	0.00004	0.00225	0.00015	0.01304
18	41.667	0.00004	0.00205	0.00015	0.01304
19	44.500	0.00002	0.00114	0.00016	0.01307
20	47.334	-0.00001	0.00021	0.00018	0.01314
21	48.333	-0.00001	-0.00012	0.00018	0.01317

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.13507	-6.63667	0.00173	0.06100
2	1.000	-0.11547	-5.63959	0.00179	0.06038
3	3.833	-0.05868	-2.81460	0.00197	0.05865
4	6.667	0.00115	0.01215	0.00215	0.05694
5	7.312	0.00018	0.01053	0.00219	0.05656
6	7.958	-0.00060	0.00897	0.00223	0.05619
7	11.959	-0.00374	0.00025	0.00223	0.05475
8	15.739	-0.00324	-0.00505	0.00168	0.05517
9	19.520	-0.00131	-0.00763	0.00105	0.05597
10	23.520	-0.00027	-0.01022	0.00080	0.05539
11	24.167	-0.00021	-0.01073	0.00079	0.05517
12	24.813	-0.00016	-0.01120	0.00079	0.05492
13	28.813	0.00009	-0.00965	0.00073	0.05245
14	32.594	0.00023	-0.00064	0.00060	0.04863
15	36.375	0.00024	0.00789	0.00049	0.04537
16	40.375	0.00017	0.00842	0.00049	0.04419
17	41.021	0.00015	0.00780	0.00050	0.04416
18	41.667	0.00013	0.00712	0.00051	0.04415
19	44.500	0.00006	0.00412	0.00056	0.04420
20	47.334	-0.00002	0.00107	0.00060	0.04437
21	48.333	-0.00004	-0.00001	0.00062	0.04445

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.14775	-7.27577	0.00221	0.07501
2	1.000	-0.12846	-6.27931	0.00227	0.07428
3	3.833	-0.07255	-3.45602	0.00246	0.07222
4	6.667	-0.01367	-0.63097	0.00265	0.07019
5	7.312	0.00033	0.01319	0.00272	0.06974
6	7.958	-0.00073	0.01126	0.00277	0.06930
7	11.959	-0.00481	0.00059	0.00275	0.06755
8	15.739	-0.00423	-0.00595	0.00209	0.06801
9	19.520	-0.00170	-0.00924	0.00130	0.06891
10	23.520	-0.00034	-0.01253	0.00099	0.06817
11	24.167	-0.00026	-0.01317	0.00098	0.06790
12	24.813	-0.00019	-0.01376	0.00098	0.06760
13	28.813	0.00013	-0.01189	0.00091	0.06458
14	32.594	0.00029	-0.00075	0.00075	0.05993
15	36.375	0.00030	0.00982	0.00061	0.05595
16	40.375	0.00021	0.01050	0.00061	0.05449
17	41.021	0.00019	0.00973	0.00063	0.05445
18	41.667	0.00016	0.00889	0.00064	0.05443
19	44.500	0.00007	0.00518	0.00069	0.05447
20	47.334	-0.00002	0.00142	0.00074	0.05466
21	48.333	-0.00005	0.00009	0.00076	0.05475

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.01192	0.14583	0.02107	1.12033
2	1.000	-0.00683	0.39258	0.01929	1.02297
3	3.833	0.00805	1.09169	0.01415	0.74711
4	6.667	0.02385	1.79122	0.00881	0.47109
5	7.312	0.02765	1.95076	0.00755	0.40818
6	7.958	0.01653	1.47078	0.00630	0.34595
7	11.959	-0.03403	-0.94430	0.00006	0.01860
8	15.739	-0.04374	-1.82149	-0.00257	-0.13437
9	19.520	-0.02800	-1.47875	-0.00226	-0.13128
10	23.520	-0.01353	-0.90832	-0.00115	-0.07670
11	24.167	-0.01206	-0.83630	-0.00099	-0.06833
12	24.813	-0.01072	-0.76886	-0.00083	-0.06047
13	28.813	-0.00594	-0.54083	-0.00045	-0.04243
14	32.594	-0.00802	-0.69243	-0.00108	-0.08143
15	36.375	-0.01211	-0.93054	-0.00184	-0.12468
16	40.375	-0.01241	-0.91265	-0.00175	-0.11692
17	41.021	-0.01206	-0.88371	-0.00166	-0.11093
18	41.667	-0.01167	-0.85270	-0.00156	-0.10455
19	44.500	-0.00997	-0.71822	-0.00113	-0.07674
20	47.334	-0.00830	-0.58555	-0.00071	-0.04907
21	48.333	-0.00770	-0.53898	-0.00056	-0.03933

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00975	0.11157	0.01987	1.06826
2	1.000	-0.00519	0.34263	0.01812	0.97258
3	3.833	0.00805	0.99734	0.01310	0.70151
4	6.667	0.02211	1.65255	0.00785	0.43030
5	7.312	0.02543	1.80196	0.00665	0.36846
6	7.958	0.02906	1.95770	0.00546	0.30733
7	11.959	-0.02458	-0.54732	-0.00059	-0.01074
8	15.739	-0.03797	-1.55217	-0.00294	-0.15094
9	19.520	-0.02529	-1.33092	-0.00237	-0.13578
10	23.520	-0.01244	-0.83526	-0.00110	-0.07362
11	24.167	-0.01112	-0.77090	-0.00092	-0.06445
12	24.813	-0.00991	-0.71053	-0.00075	-0.05585
13	28.813	-0.00562	-0.50851	-0.00033	-0.03579
14	32.594	-0.00755	-0.64923	-0.00102	-0.07764
15	36.375	-0.01126	-0.86521	-0.00184	-0.12449
16	40.375	-0.01149	-0.84594	-0.00176	-0.11653
17	41.021	-0.01116	-0.81902	-0.00166	-0.11013
18	41.667	-0.01080	-0.79022	-0.00155	-0.10333
19	44.500	-0.00923	-0.66533	-0.00109	-0.07363
20	47.334	-0.00767	-0.54212	-0.00064	-0.04409
21	48.333	-0.00712	-0.49886	-0.00048	-0.03368

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00593	-0.10541	0.01372	0.77600
2	1.000	-0.00348	0.03089	0.01220	0.69069
3	3.833	0.00354	0.41715	0.00786	0.44898
4	6.667	0.01086	0.80387	0.00335	0.20711
5	7.312	0.01259	0.89208	0.00230	0.15197
6	7.958	0.01445	0.98450	0.00125	0.09772
7	11.959	0.03622	1.92727	-0.00355	-0.16311
8	15.739	-0.00118	0.12751	-0.00440	-0.22468
9	19.520	-0.00835	-0.40999	-0.00250	-0.13533
10	23.520	-0.00567	-0.37843	-0.00035	-0.02680
11	24.167	-0.00525	-0.36103	-0.00007	-0.01276
12	24.813	-0.00486	-0.34408	0.00019	0.00029
13	28.813	-0.00371	-0.30539	0.00086	0.03194
14	32.594	-0.00483	-0.38847	-0.00023	-0.02897
15	36.375	-0.00629	-0.47602	-0.00157	-0.09936
16	40.375	-0.00608	-0.44751	-0.00151	-0.09076
17	41.021	-0.00589	-0.43227	-0.00137	-0.08194
18	41.667	-0.00568	-0.41620	-0.00121	-0.07252
19	44.500	-0.00477	-0.34646	-0.00055	-0.03131
20	47.334	-0.00388	-0.27755	0.00011	0.00977
21	48.333	-0.00356	-0.25335	0.00034	0.02425

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00577	-0.32445	0.00932	0.53777
2	1.000	-0.00495	-0.27662	0.00801	0.46228
3	3.833	-0.00261	-0.14107	0.00425	0.24838
4	6.667	-0.00021	-0.00528	0.00037	0.03428
5	7.312	0.00035	0.02570	-0.00054	-0.01455
6	7.958	0.00096	0.05892	-0.00143	-0.06229
7	11.959	0.00948	0.48374	-0.00517	-0.26938
8	15.739	0.03743	1.71796	-0.00486	-0.25764
9	19.520	0.00919	0.46629	-0.00191	-0.09943
10	23.520	0.00098	0.06108	0.00099	0.05196
11	24.167	0.00047	0.03430	0.00137	0.07050
12	24.813	0.00002	0.01040	0.00173	0.08766
13	28.813	-0.00203	-0.10588	0.00259	0.12928
14	32.594	-0.00242	-0.13817	0.00101	0.04896
15	36.375	-0.00170	-0.10802	-0.00089	-0.04492
16	40.375	-0.00100	-0.07145	-0.00088	-0.03638
17	41.021	-0.00092	-0.06708	-0.00069	-0.02531
18	41.667	-0.00085	-0.06286	-0.00049	-0.01346
19	44.500	-0.00054	-0.04438	0.00037	0.03842
20	47.334	-0.00024	-0.02593	0.00122	0.09023
21	48.333	-0.00013	-0.01943	0.00152	0.10849

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 9
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00686	-0.79374	0.00214	0.11885
2	1.000	-0.00948	-0.94321	0.00127	0.06565
3	3.833	-0.01699	-1.36681	-0.00122	-0.08523
4	6.667	-0.02475	-1.79093	-0.00376	-0.23654
5	7.312	-0.02657	-1.88767	-0.00435	-0.27110
6	7.958	-0.02848	-1.98658	-0.00491	-0.30422
7	11.959	-0.04561	-2.71787	-0.00636	-0.39216
8	15.739	-0.06294	-3.15242	-0.00332	-0.22100
9	19.520	-0.05239	-2.21884	0.00219	0.08572
10	23.520	0.00156	0.39861	0.00690	0.32990
11	24.167	0.01339	0.91896	0.00752	0.35826
12	24.813	0.01037	0.80346	0.00809	0.38440
13	28.813	-0.00158	0.33760	0.00926	0.44765
14	32.594	0.00002	0.41314	0.00609	0.32451
15	36.375	0.00729	0.70085	0.00233	0.17869
16	40.375	0.01001	0.75257	0.00200	0.18642
17	41.021	0.00989	0.73242	0.00227	0.20228
18	41.667	0.00971	0.70995	0.00257	0.21932
19	44.500	0.00888	0.61301	0.00387	0.29405
20	47.334	0.00802	0.51797	0.00515	0.36882
21	48.333	0.00771	0.48469	0.00559	0.39521

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 10
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.00771	0.48469	0.00559	0.39521
2	1.000	0.00802	0.51797	0.00515	0.36882
3	3.833	0.00888	0.61297	0.00387	0.29408
4	6.667	0.00971	0.70994	0.00257	0.21932
5	7.312	0.00989	0.73242	0.00227	0.20228
6	7.958	0.01001	0.75257	0.00200	0.18642
7	11.959	0.00729	0.70085	0.00233	0.17869
8	15.739	0.00002	0.41313	0.00609	0.32451
9	19.520	-0.00158	0.33760	0.00926	0.44764
10	23.520	0.01037	0.80346	0.00809	0.38440
11	24.167	0.01339	0.91896	0.00752	0.35826
12	24.813	0.00156	0.39860	0.00690	0.32990
13	28.813	-0.05239	-2.21885	0.00219	0.08572
14	32.594	-0.06294	-3.15242	-0.00332	-0.22101
15	36.375	-0.04561	-2.71788	-0.00636	-0.39216
16	40.375	-0.02848	-1.98659	-0.00491	-0.30422
17	41.021	-0.02657	-1.88768	-0.00435	-0.27110
18	41.667	-0.02475	-1.79094	-0.00376	-0.23654
19	44.500	-0.01700	-1.36697	-0.00122	-0.08529
20	47.334	-0.00948	-0.94322	0.00127	0.06564
21	48.333	-0.00686	-0.79375	0.00214	0.11885

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 11
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.00705	0.44922	0.00518	0.36661
2	1.000	0.00734	0.47925	0.00475	0.34082
3	3.833	0.00814	0.56499	0.00350	0.26777
4	6.667	0.00892	0.65252	0.00223	0.19470
5	7.312	0.00909	0.67281	0.00194	0.17805
6	7.958	0.00922	0.69094	0.00167	0.16254
7	11.959	0.00689	0.63959	0.00196	0.15477
8	15.739	0.00056	0.37098	0.00552	0.29680
9	19.520	-0.00084	0.30311	0.00853	0.41687
10	23.520	0.00966	0.74152	0.00737	0.35534
11	24.167	0.01228	0.84986	0.00682	0.32988
12	24.813	0.01527	0.96794	0.00623	0.30227
13	28.813	-0.04149	-1.72481	0.00165	0.06507
14	32.594	-0.05564	-2.78026	-0.00363	-0.23058
15	36.375	-0.04150	-2.47311	-0.00641	-0.38979
16	40.375	-0.02624	-1.83058	-0.00477	-0.29276
17	41.021	-0.02451	-1.74189	-0.00418	-0.25850
18	41.667	-0.02287	-1.65503	-0.00357	-0.22284
19	44.500	-0.01588	-1.27434	-0.00092	-0.06671
20	47.334	-0.00911	-0.89384	0.00166	0.08912
21	48.333	-0.00675	-0.75962	0.00257	0.14406

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 12
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.00332	0.21344	0.00305	0.21678
2	1.000	0.00342	0.22460	0.00268	0.19480
3	3.833	0.00369	0.25654	0.00164	0.13251
4	6.667	0.00396	0.28930	0.00057	0.07015
5	7.312	0.00402	0.29692	0.00033	0.05592
6	7.958	0.00405	0.30341	0.00010	0.04266
7	11.959	0.00280	0.25904	0.00018	0.03447
8	15.739	-0.00021	0.11202	0.00276	0.15210
9	19.520	-0.00059	0.09441	0.00492	0.25214
10	23.520	0.00487	0.36609	0.00390	0.20090
11	24.167	0.00622	0.43086	0.00346	0.17968
12	24.813	0.00773	0.50182	0.00298	0.15671
13	28.813	0.02788	1.34401	-0.00071	-0.03679
14	32.594	-0.00976	-0.47127	-0.00471	-0.26259
15	36.375	-0.01610	-0.95832	-0.00615	-0.34667
16	40.375	-0.01242	-0.86555	-0.00341	-0.19315
17	41.021	-0.01185	-0.83963	-0.00266	-0.15193
18	41.667	-0.01131	-0.81345	-0.00190	-0.10947
19	44.500	-0.00904	-0.69864	0.00138	0.07659
20	47.334	-0.00686	-0.58381	0.00457	0.26250
21	48.333	-0.00611	-0.54329	0.00569	0.32806

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 13
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00013	-0.01943	0.00152	0.10849
2	1.000	-0.00024	-0.02593	0.00122	0.09023
3	3.833	-0.00054	-0.04437	0.00037	0.03844
4	6.667	-0.00085	-0.06286	-0.00049	-0.01346
5	7.312	-0.00092	-0.06708	-0.00069	-0.02531
6	7.958	-0.00100	-0.07145	-0.00088	-0.03638
7	11.959	-0.00170	-0.10802	-0.00089	-0.04492
8	15.739	-0.00242	-0.13817	0.00101	0.04895
9	19.520	-0.00203	-0.10588	0.00259	0.12928
10	23.520	0.00002	0.01040	0.00173	0.08766
11	24.167	0.00047	0.03430	0.00137	0.07049
12	24.813	0.00098	0.06108	0.00099	0.05196
13	28.813	0.00919	0.46629	-0.00191	-0.09944
14	32.594	0.03743	1.71796	-0.00486	-0.25764
15	36.375	0.00948	0.48374	-0.00517	-0.26939
16	40.375	0.00096	0.05892	-0.00143	-0.06230
17	41.021	0.00035	0.02570	-0.00054	-0.01455
18	41.667	-0.00021	-0.00528	0.00037	0.03427
19	44.500	-0.00261	-0.14102	0.00424	0.24830
20	47.334	-0.00495	-0.27662	0.00801	0.46228
21	48.333	-0.00577	-0.32445	0.00932	0.53776

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 14
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00770	-0.53897	-0.00056	-0.03933
2	1.000	-0.00830	-0.58555	-0.00071	-0.04907
3	3.833	-0.00997	-0.71817	-0.00113	-0.07673
4	6.667	-0.01167	-0.85269	-0.00156	-0.10455
5	7.312	-0.01206	-0.88370	-0.00166	-0.11093
6	7.958	-0.01241	-0.91264	-0.00175	-0.11692
7	11.959	-0.01211	-0.93053	-0.00184	-0.12468
8	15.739	-0.00802	-0.69243	-0.00108	-0.08143
9	19.520	-0.00594	-0.54082	-0.00045	-0.04243
10	23.520	-0.01072	-0.76886	-0.00083	-0.06047
11	24.167	-0.01206	-0.83630	-0.00099	-0.06833
12	24.813	-0.01353	-0.90832	-0.00115	-0.07670
13	28.813	-0.02800	-1.47874	-0.00226	-0.13128
14	32.594	-0.04374	-1.82148	-0.00257	-0.13437
15	36.375	-0.03403	-0.94429	0.00006	0.01860
16	40.375	0.01653	1.47079	0.00630	0.34595
17	41.021	0.02765	1.95077	0.00755	0.40818
18	41.667	0.02385	1.79123	0.00881	0.47109
19	44.500	0.00805	1.09194	0.01414	0.74701
20	47.334	-0.00683	0.39259	0.01929	1.02297
21	48.333	-0.01192	0.14584	0.02107	1.12033

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 15
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00005	0.00009	0.00076	0.05475
2	1.000	-0.00002	0.00142	0.00074	0.05466
3	3.833	0.00007	0.00518	0.00069	0.05447
4	6.667	0.00016	0.00889	0.00064	0.05442
5	7.312	0.00019	0.00973	0.00063	0.05444
6	7.958	0.00021	0.01050	0.00061	0.05448
7	11.959	0.00030	0.00982	0.00061	0.05595
8	15.739	0.00029	-0.00075	0.00075	0.05992
9	19.520	0.00013	-0.01189	0.00091	0.06458
10	23.520	-0.00019	-0.01376	0.00098	0.06759
11	24.167	-0.00026	-0.01317	0.00098	0.06790
12	24.813	-0.00034	-0.01253	0.00099	0.06817
13	28.813	-0.00170	-0.00924	0.00130	0.06890
14	32.594	-0.00423	-0.00595	0.00209	0.06801
15	36.375	-0.00481	0.00059	0.00275	0.06754
16	40.375	-0.00073	0.01126	0.00277	0.06930
17	41.021	0.00033	0.01319	0.00272	0.06973
18	41.667	-0.01367	-0.63098	0.00265	0.07018
19	44.500	-0.07253	-3.45503	0.00246	0.07221
20	47.334	-0.12847	-6.27931	0.00227	0.07428
21	48.333	-0.14775	-7.27578	0.00221	0.07501

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 16
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00004	-0.00001	0.00062	0.04445
2	1.000	-0.00002	0.00107	0.00060	0.04437
3	3.833	0.00006	0.00412	0.00056	0.04420
4	6.667	0.00013	0.00712	0.00051	0.04415
5	7.312	0.00015	0.00780	0.00050	0.04416
6	7.958	0.00017	0.00842	0.00049	0.04419
7	11.959	0.00024	0.00789	0.00049	0.04537
8	15.739	0.00023	-0.00064	0.00060	0.04863
9	19.520	0.00009	-0.00965	0.00073	0.05245
10	23.520	-0.00016	-0.01120	0.00079	0.05492
11	24.167	-0.00021	-0.01073	0.00079	0.05517
12	24.813	-0.00027	-0.01022	0.00080	0.05539
13	28.813	-0.00131	-0.00763	0.00105	0.05596
14	32.594	-0.00324	-0.00504	0.00168	0.05517
15	36.375	-0.00374	0.00025	0.00223	0.05474
16	40.375	-0.00060	0.00897	0.00223	0.05619
17	41.021	0.00018	0.01053	0.00219	0.05656
18	41.667	0.00115	0.01215	0.00215	0.05694
19	44.500	-0.05866	-2.81360	0.00197	0.05865
20	47.334	-0.11548	-5.63959	0.00179	0.06038
21	48.333	-0.13507	-6.63667	0.00173	0.06100

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 17
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00001	-0.00012	0.00018	0.01318
2	1.000	-0.00001	0.00021	0.00018	0.01315
3	3.833	0.00002	0.00114	0.00016	0.01308
4	6.667	0.00004	0.00205	0.00015	0.01305
5	7.312	0.00004	0.00225	0.00015	0.01305
6	7.958	0.00005	0.00244	0.00014	0.01305
7	11.959	0.00007	0.00230	0.00014	0.01340
8	15.739	0.00006	-0.00026	0.00017	0.01439
9	19.520	0.00002	-0.00299	0.00021	0.01556
10	23.520	-0.00005	-0.00350	0.00023	0.01632
11	24.167	-0.00006	-0.00336	0.00023	0.01640
12	24.813	-0.00008	-0.00322	0.00023	0.01647
13	28.813	-0.00033	-0.00252	0.00030	0.01660
14	32.594	-0.00080	-0.00183	0.00049	0.01626
15	36.375	-0.00094	-0.00022	0.00066	0.01607
16	40.375	-0.00016	0.00253	0.00065	0.01653
17	41.021	0.00006	0.00301	0.00064	0.01665
18	41.667	0.00032	0.00351	0.00062	0.01678
19	44.500	0.00240	0.00592	0.00053	0.01736
20	47.334	-0.05920	-2.82557	0.00046	0.01795
21	48.333	-0.08059	-3.82461	0.00044	0.01815

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 18
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.00000	-0.00005	0.00001	0.00079
2	1.000	0.00000	0.00000	0.00001	0.00079
3	3.833	0.00000	0.00014	0.00001	0.00079
4	6.667	0.00001	0.00028	0.00001	0.00078
5	7.312	0.00001	0.00032	0.00001	0.00078
6	7.958	0.00001	0.00034	0.00001	0.00078
7	11.959	0.00001	0.00032	0.00001	0.00080
8	15.739	0.00001	-0.00007	0.00001	0.00086
9	19.520	0.00000	-0.00049	0.00001	0.00094
10	23.520	-0.00001	-0.00057	0.00001	0.00098
11	24.167	-0.00001	-0.00055	0.00001	0.00099
12	24.813	-0.00001	-0.00053	0.00001	0.00099
13	28.813	-0.00005	-0.00044	0.00002	0.00100
14	32.594	-0.00010	-0.00034	0.00003	0.00097
15	36.375	-0.00012	-0.00009	0.00004	0.00095
16	40.375	-0.00002	0.00034	0.00004	0.00098
17	41.021	0.00001	0.00042	0.00004	0.00099
18	41.667	0.00004	0.00050	0.00004	0.00100
19	44.500	0.00037	0.00087	0.00003	0.00104
20	47.334	0.00119	0.00135	0.00002	0.00107
21	48.333	-0.02167	-0.99864	0.00002	0.00109

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 19
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.01205	0.78568	-0.01738	-0.98528
2	1.000	0.01168	0.76738	-0.01560	-0.89037
3	3.833	0.01061	0.71559	-0.01047	-0.62148
4	6.667	0.00947	0.66390	-0.00506	-0.35243
5	7.312	0.00919	0.65214	-0.00377	-0.29109
6	7.958	0.00890	0.63926	-0.00250	-0.23044
7	11.959	0.00619	0.47375	0.00346	0.08574
8	15.739	0.00204	0.17099	0.00507	0.22633
9	19.520	-0.00170	-0.11312	0.00374	0.21203
10	23.520	-0.00334	-0.23311	0.00219	0.14908
11	24.167	-0.00342	-0.23760	0.00201	0.13962
12	24.813	-0.00348	-0.24126	0.00184	0.13071
13	28.813	-0.00421	-0.29054	0.00134	0.10749
14	32.594	-0.00526	-0.37104	0.00187	0.14446
15	36.375	-0.00572	-0.41175	0.00257	0.18718
16	40.375	-0.00498	-0.36316	0.00249	0.17782
17	41.021	-0.00478	-0.34861	0.00240	0.17141
18	41.667	-0.00456	-0.33356	0.00231	0.16461
19	44.500	-0.00364	-0.26807	0.00190	0.13507
20	47.334	-0.00272	-0.20319	0.00150	0.10584
21	48.333	-0.00240	-0.18038	0.00136	0.09556

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 20
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.00109	0.06316	-0.00568	-0.36790
2	1.000	0.00094	0.05471	-0.00433	-0.29359
3	3.833	0.00053	0.03077	-0.00047	-0.08302
4	6.667	0.00011	0.00679	0.00352	0.12772
5	7.312	0.00002	0.00132	0.00446	0.17578
6	7.958	-0.00008	-0.00410	0.00538	0.22278
7	11.959	-0.00058	-0.03281	0.00896	0.42632
8	15.739	-0.00077	-0.04387	0.00801	0.41365
9	19.520	-0.00058	-0.03301	0.00439	0.25560
10	23.520	-0.00014	-0.00804	0.00125	0.10329
11	24.167	-0.00006	-0.00353	0.00086	0.08449
12	24.813	0.00002	0.00093	0.00051	0.06703
13	28.813	0.00038	0.02133	-0.00036	0.02203
14	32.594	0.00041	0.02373	0.00120	0.09685
15	36.375	0.00023	0.01396	0.00311	0.18671
16	40.375	0.00007	0.00457	0.00314	0.17835
17	41.021	0.00005	0.00351	0.00297	0.16764
18	41.667	0.00003	0.00250	0.00278	0.15617
19	44.500	-0.00004	-0.00195	0.00195	0.10606
20	47.334	-0.00011	-0.00640	0.00114	0.05614
21	48.333	-0.00014	-0.00797	0.00085	0.03855

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00942	-0.65763	0.00107	0.05657
2	1.000	-0.00938	-0.65629	0.00198	0.11034
3	3.833	-0.00925	-0.65258	0.00458	0.26277
4	6.667	-0.00912	-0.64900	0.00725	0.41560
5	7.312	-0.00908	-0.64821	0.00787	0.45050
6	7.958	-0.00903	-0.64620	0.00847	0.48400
7	11.959	-0.00754	-0.53828	0.00999	0.57778
8	15.739	-0.00383	-0.25773	0.00688	0.41850
9	19.520	0.00034	0.04812	0.00129	0.12435
10	23.520	0.00305	0.21811	-0.00342	-0.11220
11	24.167	0.00334	0.23162	-0.00402	-0.13981
12	24.813	0.00362	0.24420	-0.00458	-0.16530
13	28.813	0.00521	0.33439	-0.00559	-0.22792
14	32.594	0.00628	0.41985	-0.00228	-0.10991
15	36.375	0.00628	0.44115	0.00153	0.03169
16	40.375	0.00515	0.37378	0.00189	0.02687
17	41.021	0.00490	0.35711	0.00161	0.01208
18	41.667	0.00465	0.34002	0.00132	-0.00384
19	44.500	0.00356	0.26559	0.00003	-0.07365
20	47.334	0.00248	0.19177	-0.00123	-0.14349
21	48.333	0.00211	0.16581	-0.00167	-0.16814

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 22
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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	0.00211	0.16581	-0.00167	-0.16814
2	1.000	0.00248	0.19177	-0.00123	-0.14349
3	3.833	0.00356	0.26556	0.00003	-0.07368
4	6.667	0.00465	0.34002	0.00132	-0.00384
5	7.312	0.00490	0.35711	0.00161	0.01208
6	7.958	0.00515	0.37378	0.00189	0.02687
7	11.959	0.00628	0.44115	0.00153	0.03169
8	15.739	0.00628	0.41985	-0.00228	-0.10991
9	19.520	0.00521	0.33439	-0.00559	-0.22792
10	23.520	0.00362	0.24419	-0.00458	-0.16530
11	24.167	0.00334	0.23162	-0.00402	-0.13981
12	24.813	0.00305	0.21810	-0.00342	-0.11220
13	28.813	0.00034	0.04811	0.00129	0.12435
14	32.594	-0.00383	-0.25774	0.00688	0.41850
15	36.375	-0.00754	-0.53828	0.00999	0.57778
16	40.375	-0.00903	-0.64621	0.00847	0.48401
17	41.021	-0.00908	-0.64821	0.00787	0.45050
18	41.667	-0.00912	-0.64900	0.00725	0.41560
19	44.500	-0.00925	-0.65258	0.00458	0.26282
20	47.334	-0.00938	-0.65630	0.00198	0.11034
21	48.333	-0.00942	-0.65763	0.00107	0.05658

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00014	-0.00797	0.00085	0.03855
2	1.000	-0.00011	-0.00640	0.00114	0.05614
3	3.833	-0.00004	-0.00196	0.00195	0.10604
4	6.667	0.00003	0.00250	0.00278	0.15617
5	7.312	0.00005	0.00351	0.00297	0.16764
6	7.958	0.00007	0.00457	0.00314	0.17835
7	11.959	0.00023	0.01396	0.00311	0.18671
8	15.739	0.00041	0.02373	0.00120	0.09685
9	19.520	0.00038	0.02133	-0.00036	0.02203
10	23.520	0.00002	0.00093	0.00051	0.06703
11	24.167	-0.00006	-0.00353	0.00086	0.08449
12	24.813	-0.00014	-0.00804	0.00125	0.10329
13	28.813	-0.00058	-0.03301	0.00439	0.25560
14	32.594	-0.00077	-0.04387	0.00801	0.41365
15	36.375	-0.00058	-0.03281	0.00896	0.42632
16	40.375	-0.00008	-0.00410	0.00538	0.22278
17	41.021	0.00002	0.00132	0.00446	0.17578
18	41.667	0.00011	0.00679	0.00352	0.12772
19	44.500	0.00053	0.03076	-0.00047	-0.08295
20	47.334	0.00094	0.05471	-0.00433	-0.29359
21	48.333	0.00109	0.06316	-0.00568	-0.36790

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00240	-0.18038	0.00136	0.09556
2	1.000	-0.00272	-0.20319	0.00150	0.10584
3	3.833	-0.00364	-0.26804	0.00190	0.13506
4	6.667	-0.00456	-0.33355	0.00231	0.16461
5	7.312	-0.00478	-0.34860	0.00240	0.17141
6	7.958	-0.00498	-0.36316	0.00249	0.17782
7	11.959	-0.00572	-0.41175	0.00257	0.18718
8	15.739	-0.00526	-0.37103	0.00187	0.14445
9	19.520	-0.00421	-0.29054	0.00134	0.10749
10	23.520	-0.00348	-0.24126	0.00184	0.13071
11	24.167	-0.00342	-0.23759	0.00201	0.13962
12	24.813	-0.00334	-0.23311	0.00219	0.14907
13	28.813	-0.00170	-0.11312	0.00374	0.21203
14	32.594	0.00204	0.17099	0.00507	0.22633
15	36.375	0.00619	0.47375	0.00346	0.08573
16	40.375	0.00890	0.63926	-0.00250	-0.23044
17	41.021	0.00919	0.65214	-0.00377	-0.29109
18	41.667	0.00947	0.66390	-0.00506	-0.35243
19	44.500	0.01061	0.71557	-0.01047	-0.62139
20	47.334	0.01168	0.76738	-0.01560	-0.89038
21	48.333	0.01205	0.78568	-0.01738	-0.98528

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

Slab 7 section top appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.13583	-7.42160	-0.02348	-0.93529
2	1.000	-0.12164	-6.67188	-0.02305	-0.91195
3	3.833	-0.08062	-4.54764	-0.02161	-0.84582
4	6.667	-0.03753	-2.42210	-0.02002	-0.77977
5	7.312	-0.02732	-1.93758	-0.01975	-0.76469
6	7.958	-0.01725	-1.45965	-0.01937	-0.74908
7	11.959	0.02923	0.94486	-0.01639	-0.61303
8	15.739	0.03951	1.81554	-0.01068	-0.41780
9	19.520	0.02630	1.46952	-0.00490	-0.23131
10	23.520	0.01319	0.89579	-0.00181	-0.11687
11	24.167	0.01180	0.82313	-0.00154	-0.10523
12	24.813	0.01053	0.75511	-0.00131	-0.09447
13	28.813	0.00606	0.52894	-0.00042	-0.05376
14	32.594	0.00831	0.69168	-0.00062	-0.06743
15	36.375	0.01241	0.94036	-0.00122	-0.09858
16	40.375	0.01262	0.92315	-0.00136	-0.10044
17	41.021	0.01224	0.89344	-0.00133	-0.09750
18	41.667	0.01183	0.86159	-0.00129	-0.09430
19	44.500	0.01005	0.72341	-0.00114	-0.08047
20	47.334	0.00827	0.58697	-0.00098	-0.06685
21	48.333	0.00765	0.53907	-0.00092	-0.06207

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.12031	-6.63369	-0.02140	-0.85563
2	1.000	-0.10766	-5.95690	-0.02101	-0.83439
3	3.833	-0.07113	-4.03926	-0.01967	-0.77420
4	6.667	-0.03277	-2.12036	-0.01723	-0.71386
5	7.312	-0.02371	-1.68292	-0.01663	-0.70011
6	7.958	-0.01477	-1.25156	-0.01656	-0.68591
7	11.959	0.02650	0.90742	-0.01491	-0.56131
8	15.739	0.03540	1.66248	-0.00968	-0.38087
9	19.520	0.02338	1.31797	-0.00441	-0.20830
10	23.520	0.01154	0.78537	-0.00159	-0.10289
11	24.167	0.01029	0.71909	-0.00135	-0.09226
12	24.813	0.00914	0.65710	-0.00114	-0.08242
13	28.813	0.00507	0.44702	-0.00032	-0.04479
14	32.594	0.00698	0.58568	-0.00050	-0.05627
15	36.375	0.01062	0.80649	-0.00105	-0.08421
16	40.375	0.01088	0.79626	-0.00119	-0.08669
17	41.021	0.01056	0.77095	-0.00116	-0.08423
18	41.667	0.01021	0.74376	-0.00113	-0.08154
19	44.500	0.00869	0.62581	-0.00100	-0.06991
20	47.334	0.00719	0.50939	-0.00086	-0.05846
21	48.333	0.00666	0.46851	-0.00082	-0.05444

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 27
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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.05452	-3.06077	-0.01130	-0.48196
2	1.000	-0.04831	-2.71595	-0.01110	-0.47032
3	3.833	-0.03050	-1.73885	-0.01044	-0.43733
4	6.667	-0.01194	-0.76090	-0.00966	-0.40431
5	7.312	-0.00754	-0.53791	-0.00948	-0.39678
6	7.958	-0.00320	-0.31869	-0.00931	-0.38893
7	11.959	0.01605	0.72512	-0.00768	-0.31525
8	15.739	0.01867	0.96120	-0.00479	-0.20226
9	19.520	0.01099	0.63097	-0.00198	-0.09320
10	23.520	0.00424	0.28837	-0.00046	-0.02912
11	24.167	0.00356	0.25120	-0.00033	-0.02305
12	24.813	0.00294	0.21672	-0.00021	-0.01747
13	28.813	0.00049	0.08042	0.00026	0.00591
14	32.594	0.00094	0.11087	0.00019	0.00404
15	36.375	0.00257	0.20552	-0.00013	-0.00961
16	40.375	0.00307	0.22606	-0.00026	-0.01502
17	41.021	0.00301	0.22050	-0.00026	-0.01475
18	41.667	0.00294	0.21421	-0.00026	-0.01438
19	44.500	0.00263	0.18703	-0.00024	-0.01280
20	47.334	0.00232	0.16033	-0.00022	-0.01125
21	48.333	0.00221	0.15097	-0.00021	-0.01070

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 28
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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.01457	-1.27843	0.00088	0.00154
2	1.000	-0.01750	-1.46118	0.00051	-0.01702
3	3.833	-0.02588	-1.97978	-0.00056	-0.06952
4	6.667	-0.03446	-2.50088	-0.00169	-0.12186
5	7.312	-0.03646	-2.62009	-0.00196	-0.13376
6	7.958	-0.03850	-2.73915	-0.00226	-0.14642
7	11.959	-0.05290	-3.41872	-0.00584	-0.28415
8	15.739	-0.06296	-3.56555	-0.01236	-0.51048
9	19.520	-0.05083	-2.55648	-0.01815	-0.71061
10	23.520	-0.00884	-0.40491	-0.01989	-0.78449
11	24.167	0.00000	0.00001	-0.01997	-0.78538
12	24.813	0.00884	0.40492	-0.01989	-0.78449
13	28.813	0.05083	2.55650	-0.01815	-0.71061
14	32.594	0.06296	3.56557	-0.01236	-0.51048
15	36.375	0.05290	3.41873	-0.00584	-0.28415
16	40.375	0.03850	2.73916	-0.00226	-0.14642
17	41.021	0.03646	2.62010	-0.00196	-0.13376
18	41.667	0.03446	2.50089	-0.00169	-0.12186
19	44.500	0.02588	1.97997	-0.00056	-0.06954
20	47.334	0.01750	1.46119	0.00051	-0.01702
21	48.333	0.01457	1.27844	0.00088	0.00154

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.01202	-1.06783	0.00090	0.00817
2	1.000	-0.01462	-1.23063	0.00056	-0.00906
3	3.833	-0.02207	-1.69261	-0.00043	-0.05783
4	6.667	-0.02969	-2.15679	-0.00148	-0.10644
5	7.312	-0.03146	-2.26298	-0.00173	-0.11750
6	7.958	-0.03327	-2.36920	-0.00200	-0.12926
7	11.959	-0.04616	-2.98918	-0.00529	-0.25640
8	15.739	-0.05532	-3.15533	-0.01126	-0.46458
9	19.520	-0.04488	-2.28428	-0.01658	-0.64841
10	23.520	-0.00785	-0.36390	-0.01814	-0.71620
11	24.167	0.00000	0.00001	-0.01817	-0.71702
12	24.813	0.00785	0.36391	-0.01814	-0.71620
13	28.813	0.04488	2.28430	-0.01658	-0.64841
14	32.594	0.05532	3.15534	-0.01126	-0.46458
15	36.375	0.04616	2.98919	-0.00529	-0.25640
16	40.375	0.03327	2.36922	-0.00200	-0.12926
17	41.021	0.03146	2.26299	-0.00173	-0.11750
18	41.667	0.02969	2.15680	-0.00148	-0.10644
19	44.500	0.02207	1.69278	-0.00043	-0.05784
20	47.334	0.01462	1.23064	0.00056	-0.00906
21	48.333	0.01202	1.06784	0.00090	0.00817

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00035	-0.12483	0.00115	0.04860
2	1.000	-0.00152	-0.19740	0.00093	0.03744
3	3.833	-0.00488	-0.40329	0.00032	0.00585
4	6.667	-0.00830	-0.60997	-0.00033	-0.02570
5	7.312	-0.00910	-0.65721	-0.00048	-0.03288
6	7.958	-0.00992	-0.70533	-0.00065	-0.04049
7	11.959	-0.01657	-1.05256	-0.00252	-0.11946
8	15.739	-0.02278	-1.29900	-0.00584	-0.24535
9	19.520	-0.01992	-1.04803	-0.00885	-0.35547
10	23.520	-0.00361	-0.17720	-0.00983	-0.39586
11	24.167	0.00000	0.00000	-0.00984	-0.39633
12	24.813	0.00361	0.17720	-0.00983	-0.39586
13	28.813	0.01992	1.04803	-0.00885	-0.35547
14	32.594	0.02278	1.29901	-0.00584	-0.24535
15	36.375	0.01657	1.05257	-0.00252	-0.11946
16	40.375	0.00992	0.70534	-0.00065	-0.04049
17	41.021	0.00910	0.65721	-0.00048	-0.03288
18	41.667	0.00830	0.60997	-0.00033	-0.02570
19	44.500	0.00488	0.40337	0.00032	0.00584
20	47.334	0.00152	0.19741	0.00093	0.03744
21	48.333	0.00035	0.12483	0.00115	0.04860

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Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00765	-0.53906	-0.00092	-0.06207
2	1.000	-0.00827	-0.58697	-0.00098	-0.06684
3	3.833	-0.01004	-0.72335	-0.00114	-0.08046
4	6.667	-0.01183	-0.86158	-0.00129	-0.09430
5	7.312	-0.01224	-0.89343	-0.00133	-0.09750
6	7.958	-0.01262	-0.92314	-0.00136	-0.10043
7	11.959	-0.01241	-0.94035	-0.00122	-0.09858
8	15.739	-0.00831	-0.69167	-0.00062	-0.06743
9	19.520	-0.00606	-0.52894	-0.00042	-0.05376
10	23.520	-0.01053	-0.75510	-0.00131	-0.09447
11	24.167	-0.01180	-0.82313	-0.00154	-0.10523
12	24.813	-0.01319	-0.89579	-0.00181	-0.11687
13	28.813	-0.02630	-1.46951	-0.00490	-0.23131
14	32.594	-0.03951	-1.81554	-0.01068	-0.41780
15	36.375	-0.02923	-0.94485	-0.01639	-0.61303
16	40.375	0.01725	1.45966	-0.01937	-0.74908
17	41.021	0.02732	1.93759	-0.01975	-0.76469
18	41.667	0.03753	2.42211	-0.02002	-0.77977
19	44.500	0.08061	4.54690	-0.02161	-0.84580
20	47.334	0.12164	6.67189	-0.02305	-0.91195
21	48.333	0.13583	7.42161	-0.02348	-0.93529

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date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00666	-0.46850	-0.00082	-0.05444
2	1.000	-0.00719	-0.50938	-0.00086	-0.05846
3	3.833	-0.00869	-0.62577	-0.00100	-0.06990
4	6.667	-0.01021	-0.74376	-0.00113	-0.08154
5	7.312	-0.01056	-0.77095	-0.00116	-0.08423
6	7.958	-0.01088	-0.79625	-0.00119	-0.08668
7	11.959	-0.01062	-0.80648	-0.00105	-0.08421
8	15.739	-0.00698	-0.58568	-0.00050	-0.05627
9	19.520	-0.00507	-0.44702	-0.00032	-0.04479
10	23.520	-0.00914	-0.65710	-0.00114	-0.08242
11	24.167	-0.01029	-0.71909	-0.00135	-0.09226
12	24.813	-0.01154	-0.78536	-0.00159	-0.10289
13	28.813	-0.02338	-1.31797	-0.00441	-0.20830
14	32.594	-0.03540	-1.66248	-0.00968	-0.38087
15	36.375	-0.02650	-0.90741	-0.01491	-0.56131
16	40.375	0.01477	1.25157	-0.01656	-0.68591
17	41.021	0.02371	1.68292	-0.01663	-0.70011
18	41.667	0.03277	2.12037	-0.01723	-0.71386
19	44.500	0.07112	4.03859	-0.01967	-0.77418
20	47.334	0.10766	5.95691	-0.02101	-0.83439
21	48.333	0.12032	6.63370	-0.02140	-0.85563

VEH: R5 - MICHIGAN T BRUG(5.75.44) page 33
date 11/09/2009; time 13:23:09
Cline Avenue - Load Rating - Double Box - 3 Webs - 48'-4" Wi

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	-0.00221	-0.15096	-0.00021	-0.01070
2	1.000	-0.00232	-0.16032	-0.00022	-0.01125
3	3.833	-0.00263	-0.18702	-0.00024	-0.01280
4	6.667	-0.00294	-0.21421	-0.00026	-0.01438
5	7.312	-0.00301	-0.22050	-0.00026	-0.01475
6	7.958	-0.00307	-0.22606	-0.00026	-0.01502
7	11.959	-0.00257	-0.20552	-0.00013	-0.00961
8	15.739	-0.00094	-0.11087	0.00019	0.00404
9	19.520	-0.00049	-0.08042	0.00026	0.00591
10	23.520	-0.00294	-0.21671	-0.00021	-0.01747
11	24.167	-0.00356	-0.25120	-0.00033	-0.02305
12	24.813	-0.00424	-0.28837	-0.00046	-0.02912
13	28.813	-0.01099	-0.63097	-0.00198	-0.09320
14	32.594	-0.01867	-0.96120	-0.00479	-0.20226
15	36.375	-0.01605	-0.72512	-0.00768	-0.31525
16	40.375	0.00320	0.31870	-0.00931	-0.38893
17	41.021	0.00754	0.53791	-0.00948	-0.39678
18	41.667	0.01194	0.76091	-0.00966	-0.40431
19	44.500	0.03049	1.73850	-0.01044	-0.43732
20	47.334	0.04831	2.71595	-0.01110	-0.47032
21	48.333	0.05452	3.06078	-0.01130	-0.48196

PROGRAM : BRUG(5.75.44 DATE : 11/09/2009 START : 13:23:09
PROJECT : VEH: R5 - MI DATE : 11/09/2009 END : 13:23:09
TOTAL (msec) : 297