```
        -------------------------- PROGRAM BRUG(5.75.44)
        --------------------------
        - INPUTFILE  : 1V_B_R1_EL.txt       -  OUTPUTFILE : 1V_B_R1_EL.OUT
        -
        - DATE       :    11/09/200         -  TIME       :     13:29:03
        -

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


                          ********** 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: R1 - TOLL ROAD LOADING No. 1  - SINGLE TRUCK
    5 |* code 1001
    6 |Cline Avenue - Load Rating - Single Box 41' 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      113.0      41.00    1.0       1.0       1.3
   13 |* code 1004
   14 |    1    0    2
   15 |* code 1005
   16 |   90    1
   17 |* code 1005a
   18 |* location traffic lanes
   19 |7.667
   20 |* maximum and minimum truck
   21 |6.667     34.333    10.000
   22 |* code 1007, linear loads
   23 |0.7350    0.441
   24 |40.2650   0.441
   25 |* code 1201
   26 |    6    5    3    1    2
   27 |* code 1202 coordinates
   28 | 0.0000   8.2500
   29 | 7.3125   8.2500
   30 | 7.3125   0.3333
   31 |33.6875   8.2500
   32 |33.6875   0.3333
   33 |41.0000   8.2500
   34 |* code 1203 - profile 1
   35 |    5    2    3    4
   36 |0.000     0.750
   37 |1.000     0.750
   38 |3.833     1.125
   39 |6.667     1.500
   40 |7.313     1.500
   41 |* code 1203 - profile 2
   42 |    7    2    3    4
   43 |0.000     1.500
```



```
   44 |0.646     1.500
   45 |4.646     0.750
           ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
           ^    ^
           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 |13.188    0.750
   47 |21.729    0.750
   48 |25.729    1.500
   49 |26.375    1.500
   50 |* code 1203 - profile 3
   51 |    5    2    3    4
   52 |0.000     1.500
   53 |0.646     1.500
   54 |3.479     1.125
   55 |6.313     0.750
   56 |7.313     0.750
   57 |* code 1203 - profile 4
   58 |    5    2    3    4
   59 |0.000     0.667
   60 |0.646     0.667
   61 |13.188    0.667
   62 |25.729    0.667
   63 |26.375    0.667
   64 |* code 1203 - profile 5
   65 |    5    2    3    4
   66 |0.000     1.292
   67 |0.750     1.292
   68 |4.167     1.292
   69 |7.583     1.292
   70 |7.917     1.292
   71 |* code 1204 - assembling boxgirder
   72 |    1    2    1
   73 |    2    4    2
   74 |    4    6    3
   75 |    3    5    4
   76 |    2    3    5
   77 |    4    5    5
   78 |* code 1205 control code
   79 |    1    2   13    1    1    0    4    5     1.0       1.0
   80 |* code 1206 wheels/axle
   81 |       0.0
   82 |       1.5
   83 |       6.0
   84 |       7.5 0.833
   85 |* code 1207 definition axles
   86 |0.00      18.00
   87 |10.00     18.00
   88 |14.00     18.00
   89 |24.00     18.00
   90 |28.00     18.00
   91 |* code 1208 - accuracy
   92 |0.00001   0.00001   0.00001   .00001    .00001
   93 |* code 1209 number sections
   94 |   29
   95 |* code definition sections
          ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
          ^    ^
          5   10   15   20   25   30   35   40   45   50   55   60   65   70
          75   80
```

1V_B_R1_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 |   1A   1B   1C   1R   2L   2A   2B   2C   2R   3L   3A   3B   3C   3R
   4L   4A
   97 |   4B   4C   4R   5L   5A   5B   5C   5R   6L   6A   6B   6C   6R
   98 |* code 1210 - density conrete
   99 |0.156
  100 |* code 1211 - extra forces selfweight
  101 |
  102 |* code 1212 - surcharge
  103 |1.025
  104 |* code 1213 - Prestressing Layout - NONE
  105 |
  106 |
  107 |
          ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
          ^    ^
          5   10   15   20   25   30   35   40   45   50   55   60   65   70
          75   80
```

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 1
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

Length 250.000
Equivalent length 113.000

Data cross-section boxgidruker

Number of nodes	6
Number of profiles	5
Number of topslabs	3
Number of bottomslabs	1
Number of webs	2

Node coordinates

Number	z	y
1	0.000	8.250
2	7.312	8.250
3	7.312	0.333
4	33.688	8.250
5	33.688	0.333
6	41.000	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	26.375
3	top	4	6	-	3	7.312
4	bottom	3	5	-	4	26.375
5	web	2	3	-	5	7.917
6	web	4	5	-	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

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)	13.188	0.750
5	21.729	0.750
6	25.729	1.500
7 (r)	26.375	1.500

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 2
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

Data cross-section boxgidruker (continued)

Data of profiles (continued)

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)	13.188	0.667
4 (c)	25.729	0.667
5 (r)	26.375	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 5 1.0 1.0

```
 VEH: R1 - TOLL ROAD                BRUG(5.75.44)          page   3
                                     date 11/09/2009; time 13:29:03
 Cline Avenue - Load Rating - Single Box 41' Wide

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



```
 VEH: R1 - TOLL ROAD                BRUG(5.75.44)          page   4
                                     date 11/09/2009; time 13:29:03
 Cline Avenue - Load Rating - Single Box 41' Wide

 Length             250.000
 Equivalent length  113.000

 Loadings

 General loadings

      Density concrete      0.156
      Dead load (topping)   1.025

 Dead load (linear)

 Distance linear loads to edge superstructure and magnitude
      Linear load      z         p
           1         0.735     0.441
           2        40.265     0.441

 Live load
      Loading class               90
      Max. numbers of vehicles     1
      Vehicle code                13
      Number of
             - axles               5
             - wheels / axle       4
             - trafficlanes        1
             - u.d.l. lanes        0
             - linear loads        2

 Vehicle axles

      Axle Axle-dist Axle-load
         1     0.000    18.000
         2    10.000    18.000
         3    14.000    18.000
         4    24.000    18.000
         5    28.000    18.000

 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    34.333

 Reduction coefficient

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

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 5
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

Loadings (continued)

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 6
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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 29

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

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 7
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

Length 250.000 Equivalent length 113.000

Transverse influence lines

Load on web

Node	1	2
1	1.20	0.80
2	1.26	0.74
	1.00	1.00
4	0.74	1.26
6	0.80	1.20

Transverse loading distributions factors

web	Traffic lane 1
1	1.248
2	0.752

web	Lineair load 1	2
1	1.205	0.795
2	0.795	1.205

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 8
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

Selfweight 51 harmonic

Slab	section	moment	axialforce
1	A	-0.05	0.01
1	B	-0.96	0.23
1	C	-3.27	0.79
1	RIGHT	-4.04	0.97
2	LEFT	-7.87	-0.09
2	A	-6.72	-0.37
2	B	-1.35	-1.68
2	C	2.90	-2.72
2	RIGHT	-7.87	-0.09
3	LEFT	-4.04	0.97
3	A	-3.27	0.79
3	B	-0.96	0.23
3	C	-0.05	0.01
3	RIGHT	0.00	0.00
4	LEFT	-4.62	1.07
4	A	-3.76	1.44
4	B	4.40	5.01
4	C	-3.76	1.44
4	RIGHT	-4.62	1.07
5	TOP	3.83	-3.09
5	A	3.03	-2.67
5	B	-0.62	-0.58
5	C	-4.26	1.23
5	BOTTOM	-4.62	1.37
6	TOP	-3.83	-3.09
6	A	-3.03	-2.66
6	B	0.62	-0.58
6	C	4.26	1.23
6	BOTTOM	4.62	1.37

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 9
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.0447	-0.9999	0.0000	0.0013
2	7.312	-0.0001	-0.0014	0.0000	0.0013
	20.501	-0.0003	-0.0002	0.0000	0.0011
4	33.688	0.0000	0.0014	0.0000	0.0010
6	41.000	0.0000	0.0002	0.0000	0.0011
Area		-0.0014	-0.5010	0.0014	0.0469

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.049	-0.049	0.014	0.014
Topping	-0.013	-0.013	0.001	0.001
Linear loads	-0.117	-0.117	0.001	0.001
Live load (incl. reduction factor)				
Vehicle(s)	0.118	-0.031	0.006	0.007
Total	-0.060	-0.209	0.022	0.024

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 =
11.96 13.46 17.96 19.46

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 10
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.1199	-3.8315	0.0006	0.0221
2	7.312	-0.0002	-0.0086	0.0010	0.0219
	20.501	-0.0018	-0.0007	0.0007	0.0186
4	33.688	0.0002	0.0094	0.0001	0.0167
6	41.000	0.0002	0.0014	0.0003	0.0176
Area		-0.2140	-7.3386	0.0254	0.7842

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.962	-0.962	0.233	0.233
Topping	-0.183	-0.183	0.020	0.020
Linear loads	-1.365	-1.365	0.017	0.017
Live load (incl. reduction factor)				
Vehicle(s)	0.616	-0.203	0.115	0.111
Total	-1.895	-2.714	0.385	0.381

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
3.83 5.33 9.83 11.33

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

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 11
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.1876	-6.6624	0.0027	0.0742
2	7.312	0.0010	-0.0281	0.0048	0.0738
	20.501	-0.0063	-0.0011	0.0025	0.0633
4	33.688	0.0006	0.0319	0.0005	0.0567
6	41.000	0.0007	0.0051	0.0009	0.0595
Area		-0.7492	-22.1722	0.1010	2.6587

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.273	-3.273	0.790	0.790
Topping	-0.554	-0.554	0.066	0.066
Linear loads	-2.612	-2.612	0.059	0.059
Live load (incl. reduction factor)				
Vehicle(s)	0.050	-5.480	0.064	0.495
Total	-6.390	-11.919	0.980	1.410

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
30.58 32.08 36.58 38.08

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

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 12
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.2050	-7.3075	0.0036	0.0913
2	7.312	0.0064	-0.0346	0.0078	0.0909
	20.501	-0.0079	-0.0011	0.0031	0.0782
4	33.688	0.0007	0.0396	0.0006	0.0700
6	41.000	0.0009	0.0064	0.0011	0.0733
Area		-0.9623	-26.6679	0.1371	3.2773

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.041	-4.041	0.974	0.974
Topping	-0.667	-0.667	0.082	0.082
Linear loads	-2.896	-2.896	0.072	0.072
Live load (incl. reduction factor)				
Vehicle(s)	0.062	-6.935	0.081	0.714
Total	-7.542	-14.539	1.209	1.843

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
30.58 32.08 36.58 38.08

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

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 13
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.0174	0.3647	0.0292	1.1492
2	7.312	0.0366	2.0748	0.0133	0.4758
	20.501	-0.1041	-3.8281	-0.0092	-0.4109
4	33.688	-0.0294	-2.0627	-0.0050	-0.3132
6	41.000	-0.0055	-0.7325	-0.0009	-0.0973
Area		-1.8435	-61.2820	0.0234	-1.1345

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-7.868	-7.868	-0.093	-0.093
Topping	-1.532	-1.532	-0.028	-0.028
Linear loads	-0.145	-0.145	0.424	0.424
Live load (incl. reduction factor)				
Vehicle(s)	-1.613	-10.684	1.561	-0.730
Total	-11.158	-20.230	1.864	-0.427

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 =
14.50 16.00 20.50 22.00

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 14
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.0128	0.3351	0.0273	1.0953
2	7.312	0.0300	1.9636	0.0101	0.4325
	20.501	-0.0960	-3.5063	-0.0099	-0.4340
4	33.688	-0.0278	-1.9528	-0.0050	-0.3156
6	41.000	-0.0054	-0.7032	-0.0007	-0.0884
Area		-1.5360	-53.0009	-0.0161	-2.0734

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-6.720	-6.720	-0.372	-0.372
Topping	-1.325	-1.325	-0.052	-0.052
Linear loads	-0.146	-0.146	0.405	0.405
Live load (incl. reduction factor)				
Vehicle(s)	0.237	-9.487	1.315	-0.822
Total	-7.954	-17.677	1.296	-0.840

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 =
14.50 16.00 20.50 22.00

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 15
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.0053	0.1638	0.0186	0.7980
2	7.312	0.0188	1.3207	0.0033	0.2021
	20.501	-0.0449	-1.5100	-0.0124	-0.5437
4	33.688	-0.0186	-1.3147	-0.0051	-0.3000
6	41.000	-0.0047	-0.5342	0.0011	-0.0023
Area		-0.2312	-10.9426	-0.1415	-6.4977

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.348	-1.348	-1.683	-1.683
Topping	-0.274	-0.274	-0.162	-0.162
Linear loads	-0.147	-0.147	0.311	0.311
Live load (incl. reduction factor)				
Vehicle(s)	3.836	-4.381	-0.104	-1.248
Total	2.068	-6.149	-1.638	-2.782

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

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
20.50 22.00 26.50 28.00

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 16
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.0040	-0.1864	0.0075	0.3149
2	7.312	0.0000	0.0015	-0.0029	-0.1339
	20.501	0.0966	2.7593	-0.0142	-0.6310
4	33.688	0.0000	0.0017	-0.0029	-0.1339
6	41.000	-0.0040	-0.1864	0.0075	0.3150
Area		0.8711	25.4770	-0.2229	-10.0012

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	2.903	2.903	-2.722	-2.722
Topping	0.637	0.637	-0.250	-0.250
Linear loads	-0.148	-0.148	0.238	0.238
Live load (incl. reduction factor)				
Vehicle(s)	7.408	0.040	-1.426	-0.218
Total	10.800	3.432	-4.160	-2.952

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
14.50 16.00 20.50 22.00

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

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 17
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.0055	-0.7325	-0.0009	-0.0973
2	7.312	-0.0294	-2.0627	-0.0050	-0.3132
	20.501	-0.1041	-3.8281	-0.0092	-0.4108
4	33.688	0.0366	2.0748	0.0133	0.4758
6	41.000	-0.0174	0.3647	0.0292	1.1492
Area		-1.8435	-61.2806	0.0234	-1.1347

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-7.868	-7.868	-0.093	-0.093
Topping	-1.532	-1.532	-0.028	-0.028
Linear loads	-0.145	-0.145	0.424	0.424
Live load (incl. reduction factor)				
Vehicle(s)	-1.613	-10.684	1.561	-0.730
Total	-11.158	-20.230	1.864	-0.427

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
30.58 32.08 36.58 38.08

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
19.00 20.50 25.00 26.50

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 18
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	0.0009	0.0064	0.0011	0.0733
2	7.312	0.0007	0.0396	0.0006	0.0700
	20.501	-0.0079	-0.0011	0.0031	0.0782
4	33.688	0.0064	-0.0346	0.0078	0.0909
6	41.000	-0.2050	-7.3075	0.0036	0.0913
Area		-0.9622	-26.6648	0.1371	3.2773

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.041	-4.041	0.974	0.974
Topping	-0.667	-0.667	0.082	0.082
Linear loads	-2.896	-2.896	0.072	0.072
Live load (incl. reduction factor)				
Vehicle(s)	0.062	-6.934	0.081	0.714
Total	-7.541	-14.538	1.209	1.843

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 =
30.58 32.08 36.58 38.08

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 19
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	0.0007	0.0051	0.0009	0.0595
2	7.312	0.0006	0.0319	0.0005	0.0567
	20.501	-0.0063	-0.0012	0.0025	0.0633
4	33.688	0.0010	-0.0281	0.0048	0.0738
6	41.000	-0.1876	-6.6624	0.0027	0.0742
Area		-0.7492	-22.1692	0.1010	2.6586

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.273	-3.273	0.790	0.790
Topping	-0.554	-0.554	0.066	0.066
Linear loads	-2.612	-2.612	0.059	0.059
Live load (incl. reduction factor)				
Vehicle(s)	0.050	-5.479	0.064	0.495
Total	-6.389	-11.918	0.980	1.410

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 =
30.58 32.08 36.58 38.08

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 20
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	0.0002	0.0014	0.0003	0.0176
2	7.312	0.0002	0.0094	0.0001	0.0167
	20.501	-0.0018	-0.0007	0.0007	0.0186
4	33.688	-0.0002	-0.0086	0.0010	0.0219
6	41.000	-0.1199	-3.8325	0.0006	0.0221
Area		-0.2141	-7.3408	0.0254	0.7846

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.963	-0.963	0.233	0.233
Topping	-0.184	-0.184	0.020	0.020
Linear loads	-1.365	-1.365	0.017	0.017
Live load (incl. reduction factor)				
Vehicle(s)	0.616	-0.203	0.115	0.111
Total	-1.896	-2.715	0.386	0.381

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
29.67 31.17 35.67 37.17

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
30.58 32.08 36.58 38.08

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 21
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	0.0000	0.0002	0.0000	0.0011
2	7.312	0.0000	0.0014	0.0000	0.0010
	20.501	-0.0003	-0.0002	0.0000	0.0011
4	33.688	-0.0001	-0.0014	0.0000	0.0013
6	41.000	-0.0447	-0.9999	0.0000	0.0013
Area		-0.0014	-0.5007	0.0014	0.0469

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.049	-0.049	0.014	0.014
Topping	-0.013	-0.013	0.001	0.001
Linear loads	-0.117	-0.117	0.001	0.001
Live load (incl. reduction factor)				
Vehicle(s)	0.118	-0.031	0.006	0.007
Total	-0.060	-0.209	0.022	0.024

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
30.58 32.08 36.58 38.08

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
21.54 23.04 27.54 29.04

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 22
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	0.0000	0.0000	0.0000	0.0000
2	7.312	0.0000	0.0000	0.0000	0.0000
	20.501	0.0000	0.0000	0.0000	0.0000
4	33.688	0.0000	0.0000	0.0000	0.0000
6	41.000	0.0000	0.0000	0.0000	0.0000
Area		0.0000	0.0000	0.0000	0.0000

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.000	0.000	0.000	0.000
Topping	0.000	0.000	0.000	0.000
Linear loads	0.000	0.000	0.000	0.000
Live load (incl. reduction factor)				
Vehicle(s)	0.000	0.000	0.000	0.000
Total	0.000	0.000	0.000	0.000

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

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
29.67 31.17 35.67 37.17

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 23
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	0.0118	0.6706	-0.0248	-1.0580
2	7.312	0.0121	0.8345	-0.0058	-0.3848
	20.501	-0.0014	-0.0446	0.0122	0.4891
4	33.688	-0.0118	-0.8289	0.0056	0.3832
6	41.000	-0.0087	-0.5792	0.0020	0.1707
Area		-0.0092	-0.3148	0.1092	4.4122

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.621	-4.621	1.067	1.067
Topping	-0.008	-0.008	0.110	0.110
Linear loads	0.036	0.036	-0.352	-0.352
Live load (incl. reduction factor)				
Vehicle(s)	1.347	-1.331	-0.882	0.700
Total	-3.245	-5.923	-0.057	1.525

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 =
29.04 30.54 35.04 36.54

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 24
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	0.0111	0.6379	-0.0230	-0.9956
2	7.312	0.0114	0.7906	-0.0041	-0.3333
	20.501	-0.0014	-0.0449	0.0131	0.5201
4	33.688	-0.0112	-0.7855	0.0058	0.3936
6	41.000	-0.0082	-0.5470	0.0020	0.1700
Area		-0.0093	-0.3238	0.1459	5.6822

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.755	-3.755	1.444	1.444
Topping	-0.008	-0.008	0.142	0.142
Linear loads	0.036	0.036	-0.325	-0.325
Live load (incl. reduction factor)				
Vehicle(s)	1.271	-1.259	-0.699	0.734
Total	-2.456	-4.986	0.562	1.996

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 =
29.04 30.54 35.04 36.54

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 25
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	0.0009	0.0432	-0.0027	-0.1210
2	7.312	0.0000	0.0004	0.0082	0.3233
	20.501	-0.0009	-0.0468	0.0200	0.8151
4	33.688	0.0000	0.0005	0.0082	0.3233
6	41.000	0.0009	0.0432	-0.0028	-0.1210
Area		-0.0088	-0.4093	0.4430	17.7180

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	4.404	4.404	5.014	5.014
Topping	-0.010	-0.010	0.443	0.443
Linear loads	0.034	0.034	-0.067	-0.067
Live load (incl. reduction factor)				
Vehicle(s)	0.009	-0.091	0.813	2.077
Total	4.437	4.337	6.203	7.467

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
30.58 32.08 36.58 38.08

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
14.50 16.00 20.50 22.00

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 26
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.0082	-0.5470	0.0020	0.1700
2	7.312	-0.0112	-0.7854	0.0058	0.3936
	20.501	-0.0014	-0.0447	0.0131	0.5201
4	33.688	0.0114	0.7906	-0.0041	-0.3333
6	41.000	0.0111	0.6379	-0.0230	-0.9956
Area		-0.0093	-0.3231	0.1459	5.6823

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.755	-3.755	1.444	1.444
Topping	-0.008	-0.008	0.142	0.142
Linear loads	0.036	0.036	-0.325	-0.325
Live load (incl. reduction factor)				
Vehicle(s)	1.271	-1.259	-0.699	0.734
Total	-2.456	-4.986	0.562	1.996

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
30.58 32.08 36.58 38.08

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
4.46 5.96 10.46 11.96

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 27
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.0087	-0.5792	0.0020	0.1707
2	7.312	-0.0118	-0.8289	0.0056	0.3832
	20.501	-0.0014	-0.0445	0.0122	0.4890
4	33.688	0.0121	0.8345	-0.0058	-0.3848
6	41.000	0.0118	0.6706	-0.0248	-1.0580
Area		-0.0092	-0.3140	0.1092	4.4123

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.621	-4.621	1.067	1.067
Topping	-0.008	-0.008	0.110	0.110
Linear loads	0.036	0.036	-0.352	-0.352
Live load (incl. reduction factor)				
Vehicle(s)	1.347	-1.331	-0.882	0.700
Total	-3.245	-5.923	-0.057	1.525

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
30.58 32.08 36.58 38.08

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
4.46 5.96 10.46 11.96

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 28
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

Slab 5 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	-0.1876	-7.6721	-0.0360	-0.9519
2	7.312	-0.0302	-2.1094	-0.0601	-0.8371
	20.501	0.0962	3.8271	-0.0154	-0.4979
4	33.688	0.0301	2.1023	-0.0023	-0.1589
6	41.000	0.0064	0.7389	0.0000	-0.0438
Area		0.8812	34.6140	-0.8708	-20.4159

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	3.827	3.827	-3.090	-3.090
Topping	0.865	0.865	-0.510	-0.510
Linear loads	-2.751	-2.751	-0.439	-0.439
Live load (incl. reduction factor)				
Vehicle(s)	9.603	-5.322	-2.387	-5.159
Total	11.545	-3.380	-6.427	-9.199

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
14.50 16.00 20.50 22.00

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

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 29
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.1656	-6.8790	-0.0322	-0.8659
2	7.312	-0.0263	-1.8269	-0.0490	-0.7634
	20.501	0.0859	3.4599	-0.0139	-0.4506
4	33.688	0.0260	1.8210	-0.0020	-0.1378
6	41.000	0.0051	0.6119	0.0001	-0.0351
Area		0.7821	31.3019	-0.7573	-18.4735

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	3.027	3.027	-2.665	-2.665
Topping	0.783	0.783	-0.462	-0.462
Linear loads	-2.486	-2.486	-0.397	-0.397
Live load (incl. reduction factor)				
Vehicle(s)	8.539	-4.709	-2.135	-4.429
Total	9.862	-3.386	-5.659	-7.953

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
14.50 16.00 20.50 22.00

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

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 30
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.0771	-3.2760	-0.0154	-0.4614
2	7.312	-0.0080	-0.5537	-0.0176	-0.4151
	20.501	0.0426	1.7884	-0.0066	-0.2229
4	33.688	0.0079	0.5533	-0.0007	-0.0304
6	41.000	-0.0014	0.0416	0.0005	0.0162
Area		0.3871	16.2219	-0.3224	-9.1349

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.620	-0.620	-0.582	-0.582
Topping	0.406	0.406	-0.228	-0.228
Linear loads	-1.283	-1.283	-0.196	-0.196
Live load (incl. reduction factor)				
Vehicle(s)	4.340	-1.758	-0.984	-1.839
Total	2.842	-3.256	-1.992	-2.846

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
14.50 16.00 20.50 22.00

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

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 31
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

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	0.0040	0.3189	-0.0019	-0.0833
2	7.312	0.0103	0.7106	-0.0020	-0.0940
	20.501	0.0024	0.1186	-0.0005	-0.0172
4	33.688	-0.0101	-0.7055	0.0008	0.0597
6	41.000	-0.0081	-0.5238	0.0008	0.0492
Area		0.0255	1.1579	-0.0219	-0.7040

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.265	-4.265	1.231	1.231
Topping	0.029	0.029	-0.018	-0.018
Linear loads	-0.081	-0.081	-0.015	-0.015
Live load (incl. reduction factor)				
Vehicle(s)	1.228	-1.094	-0.207	0.091
Total	-3.088	-5.410	0.991	1.289

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

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
30.58 32.08 36.58 38.08

VEH: R1 - TOLL ROAD BRUG(5.75.44) page 32
date 11/09/2009; time 13:29:03
Cline Avenue - Load Rating - Single Box 41' Wide

Slab 5 section bottom

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	0.0118	0.6706	-0.0009	-0.0502
2	7.312	0.0121	0.8345	-0.0010	-0.0664
	20.501	-0.0014	-0.0446	0.0000	-0.0004
4	33.688	-0.0118	-0.8289	0.0010	0.0657
6	41.000	-0.0087	-0.5792	0.0008	0.0495
Area		-0.0092	-0.3148	-0.0010	-0.0148

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-4.621	-4.621	1.368	1.368
Topping	-0.008	-0.008	0.000	0.000
Linear loads	0.036	0.036	0.000	0.000
Live load (incl. reduction factor)				
Vehicle(s)	1.347	-1.331	-0.113	0.107
Total	-3.245	-5.923	1.254	1.474

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 =
29.04 30.54 35.04 36.54

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Slab 6 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	-0.0064	-0.7389	0.0000	-0.0438
2	7.312	-0.0301	-2.1023	-0.0023	-0.1589
	20.501	-0.0962	-3.8270	-0.0154	-0.4980
4	33.688	0.0302	2.1094	-0.0601	-0.8371
6	41.000	0.1876	7.6721	-0.0360	-0.9519
Area		-0.8812	-34.6158	-0.8708	-20.4158

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.827	-3.827	-3.090	-3.090
Topping	-0.865	-0.865	-0.510	-0.510
Linear loads	2.751	2.751	-0.439	-0.439
Live load (incl. reduction factor)				
Vehicle(s)	5.322	-9.603	-5.159	-2.387
Total	3.380	-11.545	-9.199	-6.427

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
30.58 32.08 36.58 38.08

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
19.00 20.50 25.00 26.50

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Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.0051	-0.6119	0.0001	-0.0351
2	7.312	-0.0260	-1.8210	-0.0020	-0.1378
	20.501	-0.0859	-3.4599	-0.0139	-0.4506
4	33.688	0.0263	1.8269	-0.0490	-0.7634
6	41.000	0.1656	6.8790	-0.0322	-0.8659
Area		-0.7822	-31.3035	-0.7573	-18.4734

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.027	-3.027	-2.665	-2.665
Topping	-0.783	-0.783	-0.462	-0.462
Linear loads	2.486	2.486	-0.397	-0.397
Live load (incl. reduction factor)				
Vehicle(s)	4.709	-8.539	-4.429	-2.135
Total	3.386	-9.862	-7.953	-5.659

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
30.58 32.08 36.58 38.08

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
19.00 20.50 25.00 26.50

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Cline Avenue - Load Rating - Single Box 41' Wide

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	0.0014	-0.0416	0.0005	0.0162
2	7.312	-0.0079	-0.5533	-0.0007	-0.0304
	20.501	-0.0426	-1.7884	-0.0066	-0.2230
4	33.688	0.0080	0.5537	-0.0176	-0.4151
6	41.000	0.0771	3.2760	-0.0154	-0.4614
Area		-0.3872	-16.2232	-0.3224	-9.1349

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.620	0.620	-0.582	-0.582
Topping	-0.406	-0.406	-0.228	-0.228
Linear loads	1.283	1.283	-0.196	-0.196
Live load (incl. reduction factor)				
Vehicle(s)	1.758	-4.340	-1.839	-0.985
Total	3.256	-2.842	-2.846	-1.992

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
30.58 32.08 36.58 38.08

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
19.00 20.50 25.00 26.50

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Cline Avenue - Load Rating - Single Box 41' Wide

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	0.0081	0.5238	0.0008	0.0492
2	7.312	0.0101	0.7055	0.0008	0.0597
	20.501	-0.0024	-0.1187	-0.0005	-0.0172
4	33.688	-0.0103	-0.7106	-0.0020	-0.0940
6	41.000	-0.0040	-0.3189	-0.0019	-0.0833
Area		-0.0255	-1.1587	-0.0219	-0.7041

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	4.265	4.265	1.231	1.231
Topping	-0.029	-0.029	-0.018	-0.018
Linear loads	0.081	0.081	-0.015	-0.015
Live load (incl. reduction factor)				
Vehicle(s)	1.094	-1.228	0.091	-0.207
Total	5.410	3.088	1.289	0.991

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 =
27.54 29.04 33.54 35.04

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Cline Avenue - Load Rating - Single Box 41' Wide

Slab 6 section bottom

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	0.0087	0.5792	0.0008	0.0495
2	7.312	0.0118	0.8289	0.0010	0.0657
	20.501	0.0014	0.0445	0.0000	-0.0004
4	33.688	-0.0121	-0.8345	-0.0010	-0.0664
6	41.000	-0.0118	-0.6706	-0.0009	-0.0502
Area		0.0092	0.3140	-0.0010	-0.0149

Description	Moment Max.	Moment Min.	Axial force Max. mom	Axial force in case of Min. mom
Selfweight	4.621	4.621	1.368	1.368
Topping	0.008	0.008	0.000	0.000
Linear loads	-0.036	-0.036	0.000	0.000
Live load (incl. reduction factor)				
Vehicle(s)	1.331	-1.347	0.107	-0.113
Total	5.923	3.245	1.474	1.254

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
4.46 5.96 10.46 11.96

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
30.58 32.08 36.58 38.08

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LOAD ON THE WEBS

WEB	S.W.
1	6.08
2	6.08

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Cline Avenue - Load Rating - Single Box 41' Wide

Summary of the results (Maximum)

Section	Deadload Moment	Deadload Ax.Frc	P.T. Moment	P.T. Ax.Frc	Live load Moment	Live load Ax.Frc
1 a	-0.18	0.02	0.00	0.00	0.12	0.01
1 b	-2.51	0.27	0.00	0.00	0.62	0.12
1 c	-6.44	0.92	0.00	0.00	0.05	0.06
1 right	-7.60	1.13	0.00	0.00	0.06	0.08
2 left	-9.55	0.30	0.00	0.00	-1.61	1.56
2 a	-8.19	-0.02	0.00	0.00	0.24	1.31
2 b	-1.77	-1.53	0.00	0.00	3.84	-0.10
2 c	3.39	-2.73	0.00	0.00	7.41	-1.43
2 right	-9.55	0.30	0.00	0.00	-1.61	1.56
3 left	-7.60	1.13	0.00	0.00	0.06	0.08
3 a	-6.44	0.92	0.00	0.00	0.05	0.06
3 b	-2.51	0.27	0.00	0.00	0.62	0.12
3 c	-0.18	0.02	0.00	0.00	0.12	0.01
3 right	0.00	0.00	0.00	0.00	0.00	0.00
4 left	-4.59	0.83	0.00	0.00	1.35	-0.88
4 a	-3.73	1.26	0.00	0.00	1.27	-0.70
4 b	4.43	5.39	0.00	0.00	0.01	0.81
4 c	-3.73	1.26	0.00	0.00	1.27	-0.70
4 right	-4.59	0.83	0.00	0.00	1.35	-0.88
5 top	1.94	-4.04	0.00	0.00	9.60	-2.39
5 a	1.32	-3.52	0.00	0.00	8.54	-2.13
5 b	-1.50	-1.01	0.00	0.00	4.34	-0.98
5 c	-4.32	1.20	0.00	0.00	1.23	-0.21
5 bottom	-4.59	1.37	0.00	0.00	1.35	-0.11
6 top	-1.94	-4.04	0.00	0.00	5.32	-5.16
6 a	-1.32	-3.52	0.00	0.00	4.71	-4.43
6 b	1.50	-1.01	0.00	0.00	1.76	-1.84
6 c	4.32	1.20	0.00	0.00	1.09	0.09
6 bottom	4.59	1.37	0.00	0.00	1.33	0.11

Summary of the results (Minimum)

Section	Deadload Moment	Deadload Ax.Frc	P.T. Moment	P.T. Ax.Frc	Live load Moment	Live load Ax.Frc
1 a	-0.18	0.02	0.00	0.00	-0.03	0.01
1 b	-2.51	0.27	0.00	0.00	-0.20	0.11
1 c	-6.44	0.92	0.00	0.00	-5.48	0.49
1 right	-7.60	1.13	0.00	0.00	-6.94	0.71
2 left	-9.55	0.30	0.00	0.00	-10.68	-0.73
2 a	-8.19	-0.02	0.00	0.00	-9.49	-0.82
2 b	-1.77	-1.53	0.00	0.00	-4.38	-1.25
2 c	3.39	-2.73	0.00	0.00	0.04	-0.22
2 right	-9.55	0.30	0.00	0.00	-10.68	-0.73
3 left	-7.60	1.13	0.00	0.00	-6.93	0.71
3 a	-6.44	0.92	0.00	0.00	-5.48	0.49
3 b	-2.51	0.27	0.00	0.00	-0.20	0.11
3 c	-0.18	0.02	0.00	0.00	-0.03	0.01
3 right	0.00	0.00	0.00	0.00	0.00	0.00
4 left	-4.59	0.83	0.00	0.00	-1.33	0.70

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Summary of the results (Minimum)

Section	Deadload Moment	Deadload Ax.Frc	P.T. Moment	P.T. Ax.Frc	Live load Moment	Live load Ax.Frc
4 a	-3.73	1.26	0.00	0.00	-1.26	0.73
4 b	4.43	5.39	0.00	0.00	-0.09	2.08
4 c	-3.73	1.26	0.00	0.00	-1.26	0.73
4 right	-4.59	0.83	0.00	0.00	-1.33	0.70
5 top	1.94	-4.04	0.00	0.00	-5.32	-5.16
5 a	1.32	-3.52	0.00	0.00	-4.71	-4.43
5 b	-1.50	-1.01	0.00	0.00	-1.76	-1.84
5 c	-4.32	1.20	0.00	0.00	-1.09	0.09
5 bottom	-4.59	1.37	0.00	0.00	-1.33	0.11
6 top	-1.94	-4.04	0.00	0.00	-9.60	-2.39
6 a	-1.32	-3.52	0.00	0.00	-8.54	-2.14
6 b	1.50	-1.01	0.00	0.00	-4.34	-0.98
6 c	4.32	1.20	0.00	0.00	-1.23	-0.21
6 bottom	4.59	1.37	0.00	0.00	-1.35	-0.11

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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	51
1	B	51	51
1	C	51	51
1	RIGHT	51	51
2	LEFT	51	51
2	A	51	51
2	B	51	27
2	C	51	19
2	RIGHT	51	51
3	LEFT	51	51
3	A	51	51
3	B	51	51
3	C	51	51
3	RIGHT	9	9
4	LEFT	35	29
4	A	35	29
4	B	21	21
4	C	35	29
4	RIGHT	35	29
5	TOP	51	51
5	A	35	51
5	B	29	51
5	C	35	51
5	BOTTOM	35	51
6	TOP	51	51
6	A	35	51
6	B	29	51
6	C	35	51
6	BOTTOM	35	51

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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	-0.04475	-0.99989	0.00003	0.00133
2	1.000	0.01270	0.00004	0.00003	0.00132
3	3.833	0.00025	-0.00064	0.00003	0.00132
4	6.667	-0.00003	-0.00124	0.00004	0.00131
5	7.312	-0.00006	-0.00137	0.00005	0.00131
6	7.958	-0.00009	-0.00150	0.00006	0.00131
7	11.959	-0.00028	-0.00200	0.00008	0.00128
8	20.501	-0.00026	-0.00018	0.00004	0.00111
9	29.041	-0.00001	0.00184	0.00000	0.00098
10	33.041	0.00002	0.00151	0.00001	0.00099
11	33.688	0.00003	0.00140	0.00001	0.00100
12	34.334	0.00003	0.00129	0.00001	0.00100
13	37.166	0.00003	0.00082	0.00001	0.00102
14	40.001	0.00003	0.00035	0.00001	0.00104
15	41.000	0.00003	0.00019	0.00002	0.00105

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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	-0.11991	-3.83154	0.00062	0.02207
2	1.000	-0.09037	-2.83298	0.00064	0.02205
3	3.833	0.01676	-0.00387	0.00068	0.02198
4	6.667	0.00032	-0.00778	0.00083	0.02189
5	7.312	-0.00023	-0.00863	0.00098	0.02187
6	7.958	-0.00066	-0.00945	0.00115	0.02185
7	11.959	-0.00215	-0.01262	0.00137	0.02147
8	20.501	-0.00178	-0.00070	0.00073	0.01861
9	29.041	-0.00006	0.01237	0.00010	0.01643
10	33.041	0.00016	0.01012	0.00011	0.01662
11	33.688	0.00017	0.00943	0.00012	0.01668
12	34.334	0.00017	0.00871	0.00014	0.01674
13	37.166	0.00019	0.00560	0.00019	0.01705
14	40.001	0.00020	0.00252	0.00025	0.01743
15	41.000	0.00020	0.00145	0.00027	0.01757

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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	-0.18758	-6.66240	0.00267	0.07421
2	1.000	-0.16188	-5.66701	0.00279	0.07418
3	3.833	-0.08785	-2.84690	0.00316	0.07407
4	6.667	0.01260	-0.02526	0.00380	0.07389
5	7.312	0.00102	-0.02808	0.00478	0.07384
6	7.958	-0.00374	-0.03079	0.00575	0.07379
7	11.959	-0.00981	-0.04098	0.00515	0.07267
8	20.501	-0.00625	-0.00114	0.00247	0.06335
9	29.041	-0.00023	0.04183	0.00043	0.05600
10	33.041	0.00055	0.03419	0.00043	0.05653
11	33.688	0.00057	0.03187	0.00047	0.05671
12	34.334	0.00059	0.02947	0.00051	0.05690
13	37.166	0.00065	0.01905	0.00069	0.05789
14	40.001	0.00070	0.00874	0.00085	0.05906
15	41.000	0.00071	0.00511	0.00091	0.05949

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Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.20497	-7.30746	0.00355	0.09129
2	1.000	-0.18002	-6.31311	0.00374	0.09126
3	3.833	-0.10920	-3.49594	0.00439	0.09115
4	6.667	-0.02747	-0.67727	0.00610	0.09097
5	7.312	0.00640	-0.03460	0.00779	0.09092
6	7.958	-0.00530	-0.03796	0.00904	0.09086
7	11.959	-0.01400	-0.05045	0.00667	0.08953
8	20.501	-0.00791	-0.00108	0.00306	0.07816
9	29.041	-0.00029	0.05197	0.00055	0.06914
10	33.041	0.00068	0.04247	0.00054	0.06975
11	33.688	0.00071	0.03959	0.00059	0.06997
12	34.334	0.00073	0.03662	0.00064	0.07020
13	37.166	0.00081	0.02369	0.00085	0.07140
14	40.001	0.00088	0.01089	0.00105	0.07280
15	41.000	0.00090	0.00639	0.00112	0.07333

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Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.01741	0.36468	0.02924	1.14921
2	1.000	-0.01210	0.59779	0.02705	1.05703
3	3.833	0.00279	1.25908	0.02111	0.79600
4	6.667	0.02348	1.92300	0.01587	0.53517
5	7.312	0.03658	2.07483	0.01332	0.47575
6	7.958	0.00386	1.58350	0.01018	0.41652
7	11.959	-0.07707	-1.19599	-0.00017	0.06637
8	20.501	-0.10409	-3.82814	-0.00924	-0.41087
9	29.041	-0.04955	-2.93405	-0.00757	-0.43532
10	33.041	-0.03163	-2.18150	-0.00535	-0.33226
11	33.688	-0.02938	-2.06274	-0.00497	-0.31325
12	34.334	-0.02720	-1.94443	-0.00460	-0.29409
13	37.166	-0.01785	-1.42778	-0.00299	-0.21031
14	40.001	-0.00873	-0.91362	-0.00142	-0.12677
15	41.000	-0.00554	-0.73255	-0.00087	-0.09733

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Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.01285	0.33505	0.02730	1.09527
2	1.000	-0.00786	0.55703	0.02510	1.00455
3	3.833	0.00636	1.18676	0.01892	0.74765
4	6.667	0.02355	1.81903	0.01245	0.49095
5	7.312	0.03001	1.96362	0.01008	0.43249
6	7.958	0.04214	2.11113	0.00760	0.37420
7	11.959	-0.06049	-0.71878	-0.00146	0.02998
8	20.501	-0.09600	-3.50626	-0.00985	-0.43405
9	29.041	-0.04669	-2.76698	-0.00782	-0.44492
10	33.041	-0.02987	-2.06432	-0.00545	-0.33564
11	33.688	-0.02776	-1.95279	-0.00504	-0.31563
12	34.334	-0.02572	-1.84165	-0.00464	-0.29548
13	37.166	-0.01692	-1.35631	-0.00292	-0.20734
14	40.001	-0.00836	-0.87331	-0.00125	-0.11942
15	41.000	-0.00536	-0.70322	-0.00066	-0.08843

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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	-0.00530	0.16380	0.01860	0.79802
2	1.000	-0.00211	0.32147	0.01660	0.71644
3	3.833	0.00703	0.76881	0.01084	0.48544
4	6.667	0.01652	1.21802	0.00475	0.25462
5	7.312	0.01877	1.32074	0.00327	0.20206
6	7.958	0.02117	1.42588	0.00179	0.14968
7	11.959	0.05950	2.29388	-0.00584	-0.15801
8	20.501	-0.04494	-1.50996	-0.01244	-0.54366
9	29.041	-0.02980	-1.78555	-0.00895	-0.47397
10	33.041	-0.01992	-1.38406	-0.00563	-0.32625
11	33.688	-0.01861	-1.31471	-0.00506	-0.30005
12	34.334	-0.01734	-1.24526	-0.00449	-0.27370
13	37.166	-0.01186	-0.94208	-0.00206	-0.15828
14	40.001	-0.00652	-0.64045	0.00030	-0.04298
15	41.000	-0.00466	-0.53424	0.00112	-0.00232

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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	-0.00400	-0.18641	0.00749	0.31493
2	1.000	-0.00347	-0.16073	0.00611	0.25353
3	3.833	-0.00194	-0.08794	0.00215	0.07960
4	6.667	-0.00036	-0.01509	-0.00196	-0.09430
5	7.312	0.00001	0.00153	-0.00293	-0.13392
6	7.958	0.00040	0.01941	-0.00389	-0.17338
7	11.959	0.00583	0.25250	-0.00924	-0.40212
8	20.501	0.09665	2.75933	-0.01421	-0.63097
9	29.041	0.00584	0.25273	-0.00924	-0.40211
10	33.041	0.00041	0.01957	-0.00389	-0.17335
11	33.688	0.00001	0.00168	-0.00293	-0.13389
12	34.334	-0.00036	-0.01494	-0.00196	-0.09427
13	37.166	-0.00194	-0.08782	0.00215	0.07957
14	40.001	-0.00347	-0.16067	0.00611	0.25357
15	41.000	-0.00400	-0.18637	0.00749	0.31498

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Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.00554	-0.73253	-0.00087	-0.09733
2	1.000	-0.00873	-0.91361	-0.00142	-0.12677
3	3.833	-0.01784	-1.42759	-0.00299	-0.21028
4	6.667	-0.02720	-1.94441	-0.00460	-0.29409
5	7.312	-0.02938	-2.06272	-0.00497	-0.31325
6	7.958	-0.03163	-2.18148	-0.00535	-0.33226
7	11.959	-0.04955	-2.93403	-0.00757	-0.43532
8	20.501	-0.10409	-3.82808	-0.00924	-0.41085
9	29.041	-0.07707	-1.19598	-0.00017	0.06637
10	33.041	0.00386	1.58351	0.01018	0.41652
11	33.688	0.03658	2.07485	0.01332	0.47575
12	34.334	0.02348	1.92301	0.01587	0.53516
13	37.166	0.00279	1.25933	0.02111	0.79591
14	40.001	-0.01210	0.59780	0.02705	1.05703
15	41.000	-0.01741	0.36469	0.02924	1.14921

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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	0.00090	0.00639	0.00112	0.07332
2	1.000	0.00088	0.01089	0.00105	0.07280
3	3.833	0.00081	0.02368	0.00085	0.07140
4	6.667	0.00073	0.03662	0.00064	0.07020
5	7.312	0.00071	0.03959	0.00059	0.06997
6	7.958	0.00068	0.04247	0.00054	0.06975
7	11.959	-0.00029	0.05196	0.00055	0.06914
8	20.501	-0.00791	-0.00109	0.00306	0.07816
9	29.041	-0.01400	-0.05045	0.00667	0.08952
10	33.041	-0.00530	-0.03795	0.00904	0.09086
11	33.688	0.00640	-0.03460	0.00779	0.09092
12	34.334	-0.02747	-0.67727	0.00610	0.09097
13	37.166	-0.10918	-3.49494	0.00439	0.09115
14	40.001	-0.18002	-6.31311	0.00374	0.09126
15	41.000	-0.20498	-7.30746	0.00355	0.09129

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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	0.00071	0.00511	0.00091	0.05949
2	1.000	0.00070	0.00873	0.00085	0.05906
3	3.833	0.00065	0.01904	0.00069	0.05789
4	6.667	0.00059	0.02947	0.00051	0.05690
5	7.312	0.00057	0.03187	0.00047	0.05671
6	7.958	0.00055	0.03419	0.00043	0.05652
7	11.959	-0.00023	0.04182	0.00043	0.05600
8	20.501	-0.00625	-0.00115	0.00247	0.06335
9	29.041	-0.00981	-0.04097	0.00515	0.07267
10	33.041	-0.00374	-0.03078	0.00575	0.07378
11	33.688	0.00102	-0.02808	0.00478	0.07384
12	34.334	0.01260	-0.02526	0.00380	0.07389
13	37.166	-0.08782	-2.84590	0.00316	0.07407
14	40.001	-0.16188	-5.66701	0.00279	0.07418
15	41.000	-0.18759	-6.66241	0.00267	0.07421

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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	0.00020	0.00145	0.00027	0.01758
2	1.000	0.00020	0.00253	0.00025	0.01744
3	3.833	0.00019	0.00560	0.00020	0.01706
4	6.667	0.00017	0.00871	0.00014	0.01675
5	7.312	0.00017	0.00943	0.00012	0.01669
6	7.958	0.00016	0.01012	0.00011	0.01663
7	11.959	-0.00006	0.01237	0.00010	0.01644
8	20.501	-0.00178	-0.00070	0.00073	0.01862
9	29.041	-0.00215	-0.01263	0.00137	0.02148
10	33.041	-0.00066	-0.00945	0.00115	0.02186
11	33.688	-0.00023	-0.00863	0.00098	0.02188
12	34.334	0.00032	-0.00778	0.00083	0.02191
13	37.166	0.01676	-0.00387	0.00068	0.02199
14	40.001	-0.09039	-2.83398	0.00064	0.02206
15	41.000	-0.11994	-3.83254	0.00062	0.02208

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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	0.00003	0.00019	0.00002	0.00105
2	1.000	0.00003	0.00035	0.00001	0.00104
3	3.833	0.00003	0.00082	0.00001	0.00102
4	6.667	0.00003	0.00129	0.00001	0.00100
5	7.312	0.00003	0.00140	0.00001	0.00100
6	7.958	0.00002	0.00151	0.00001	0.00099
7	11.959	-0.00001	0.00184	0.00000	0.00098
8	20.501	-0.00026	-0.00018	0.00004	0.00111
9	29.041	-0.00028	-0.00200	0.00008	0.00128
10	33.041	-0.00009	-0.00150	0.00006	0.00131
11	33.688	-0.00006	-0.00137	0.00005	0.00131
12	34.334	-0.00003	-0.00124	0.00004	0.00131
13	37.166	0.00025	-0.00064	0.00003	0.00132
14	40.001	0.01270	0.00004	0.00003	0.00132
15	41.000	-0.04474	-0.99989	0.00003	0.00133

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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	0.00000	0.00000	0.00000	0.00000
2	1.000	0.00000	0.00000	0.00000	0.00000
3	3.833	0.00000	0.00000	0.00000	0.00000
4	6.667	0.00000	0.00000	0.00000	0.00000
5	7.312	0.00000	0.00000	0.00000	0.00000
6	7.958	0.00000	0.00000	0.00000	0.00000
7	11.959	0.00000	0.00000	0.00000	0.00000
8	20.501	0.00000	0.00000	0.00000	0.00000
9	29.041	0.00000	0.00000	0.00000	0.00000
10	33.041	0.00000	0.00000	0.00000	0.00000
11	33.688	0.00000	0.00000	0.00000	0.00000
12	34.334	0.00000	0.00000	0.00000	0.00000
13	37.166	0.00000	0.00000	0.00000	0.00000
14	40.001	0.00000	0.00000	0.00000	0.00000
15	41.000	0.00000	0.00000	0.00000	0.00000

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Cline Avenue - Load Rating - Single Box 41' Wide

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	0.01182	0.67058	-0.02484	-1.05799
2	1.000	0.01188	0.69269	-0.02237	-0.96583
3	3.833	0.01204	0.75570	-0.01527	-0.70487
4	6.667	0.01211	0.81974	-0.00767	-0.44419
5	7.312	0.01208	0.83453	-0.00575	-0.38484
6	7.958	0.01203	0.84819	-0.00384	-0.32569
7	11.959	0.01086	0.83520	0.00564	0.02316
8	20.501	-0.00143	-0.04464	0.01222	0.48907
9	29.041	-0.01240	-0.88077	0.00812	0.50448
10	33.041	-0.01207	-0.85010	0.00590	0.40203
11	33.688	-0.01182	-0.82890	0.00557	0.38323
12	34.334	-0.01154	-0.80654	0.00525	0.36431
13	37.166	-0.01034	-0.70931	0.00385	0.28172
14	40.001	-0.00915	-0.61306	0.00248	0.19958
15	41.000	-0.00873	-0.57923	0.00200	0.17066

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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	0.01114	0.63787	-0.02300	-0.99556
2	1.000	0.01119	0.65846	-0.02056	-0.90489
3	3.833	0.01134	0.71717	-0.01353	-0.64815
4	6.667	0.01141	0.77685	-0.00600	-0.39170
5	7.312	0.01139	0.79064	-0.00413	-0.33331
6	7.958	0.01136	0.80335	-0.00226	-0.27512
7	11.959	0.01028	0.78977	0.00693	0.06770
8	20.501	-0.00138	-0.04485	0.01305	0.52012
9	29.041	-0.01175	-0.83578	0.00858	0.52195
10	33.041	-0.01142	-0.80571	0.00619	0.41338
11	33.688	-0.01118	-0.78546	0.00584	0.39362
12	34.334	-0.01091	-0.76410	0.00548	0.37372
13	37.166	-0.00976	-0.67124	0.00397	0.28685
14	40.001	-0.00862	-0.57930	0.00250	0.20043
15	41.000	-0.00821	-0.54699	0.00198	0.17000

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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	0.00086	0.04317	-0.00275	-0.12098
2	1.000	0.00074	0.03733	-0.00130	-0.06022
3	3.833	0.00041	0.02079	0.00285	0.11191
4	6.667	0.00007	0.00423	0.00717	0.28407
5	7.312	-0.00001	0.00045	0.00819	0.32331
6	7.958	-0.00009	-0.00332	0.00920	0.36239
7	11.959	-0.00053	-0.02509	0.01480	0.58879
8	20.501	-0.00094	-0.04678	0.01997	0.81506
9	29.041	-0.00053	-0.02502	0.01480	0.58878
10	33.041	-0.00008	-0.00325	0.00920	0.36237
11	33.688	-0.00001	0.00051	0.00819	0.32329
12	34.334	0.00007	0.00428	0.00717	0.28405
13	37.166	0.00041	0.02083	0.00285	0.11193
14	40.001	0.00074	0.03738	-0.00130	-0.06027
15	41.000	0.00086	0.04321	-0.00275	-0.12103

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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	-0.00821	-0.54699	0.00198	0.17000
2	1.000	-0.00862	-0.57930	0.00250	0.20043
3	3.833	-0.00976	-0.67120	0.00397	0.28682
4	6.667	-0.01091	-0.76409	0.00548	0.37372
5	7.312	-0.01118	-0.78545	0.00584	0.39361
6	7.958	-0.01142	-0.80570	0.00619	0.41338
7	11.959	-0.01175	-0.83577	0.00858	0.52194
8	20.501	-0.00138	-0.04471	0.01305	0.52009
9	29.041	0.01028	0.78978	0.00693	0.06770
10	33.041	0.01136	0.80336	-0.00226	-0.27512
11	33.688	0.01139	0.79064	-0.00413	-0.33332
12	34.334	0.01141	0.77686	-0.00600	-0.39170
13	37.166	0.01134	0.71719	-0.01352	-0.64807
14	40.001	0.01119	0.65847	-0.02056	-0.90489
15	41.000	0.01114	0.63787	-0.02300	-0.99556

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Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.00873	-0.57923	0.00200	0.17065
2	1.000	-0.00915	-0.61306	0.00248	0.19957
3	3.833	-0.01034	-0.70927	0.00385	0.28168
4	6.667	-0.01154	-0.80653	0.00525	0.36431
5	7.312	-0.01182	-0.82890	0.00557	0.38323
6	7.958	-0.01207	-0.85010	0.00590	0.40202
7	11.959	-0.01240	-0.88076	0.00812	0.50448
8	20.501	-0.00143	-0.04449	0.01222	0.48904
9	29.041	0.01086	0.83520	0.00564	0.02316
10	33.041	0.01203	0.84820	-0.00384	-0.32569
11	33.688	0.01208	0.83454	-0.00575	-0.38484
12	34.334	0.01211	0.81975	-0.00767	-0.44419
13	37.166	0.01204	0.75572	-0.01527	-0.70478
14	40.001	0.01188	0.69269	-0.02237	-0.96583
15	41.000	0.01182	0.67058	-0.02484	-1.05799

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Cline Avenue - Load Rating - Single Box 41' Wide

Slab 5 section top appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.18756	-7.67213	-0.03595	-0.95195
2	1.000	-0.16792	-6.91090	-0.03674	-0.93628
3	3.833	-0.11199	-4.75502	-0.04151	-0.89184
4	6.667	-0.05094	-2.60027	-0.05696	-0.84730
5	7.312	-0.03018	-2.10943	-0.06010	-0.83710
6	7.958	-0.00916	-1.62146	-0.05767	-0.82674
7	11.959	0.06306	1.14554	-0.03469	-0.75221
8	20.501	0.09618	3.82706	-0.01541	-0.49793
9	29.041	0.04927	2.98602	-0.00459	-0.24368
10	33.041	0.03231	2.22397	-0.00253	-0.16929
11	33.688	0.03010	2.10233	-0.00231	-0.15893
12	34.334	0.02794	1.98105	-0.00209	-0.14871
13	37.166	0.01866	1.45147	-0.00117	-0.10401
14	40.001	0.00960	0.92451	-0.00028	-0.05948
15	41.000	0.00644	0.73894	0.00003	-0.04379

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Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.16560	-6.87901	-0.03224	-0.86592
2	1.000	-0.14783	-6.18770	-0.03289	-0.85193
3	3.833	-0.09687	-4.22980	-0.03665	-0.81226
4	6.667	-0.04113	-2.27275	-0.04705	-0.77250
5	7.312	-0.02635	-1.82690	-0.04898	-0.76340
6	7.958	-0.01155	-1.38376	-0.04740	-0.75415
7	11.959	0.05538	1.11989	-0.03080	-0.68679
8	20.501	0.08589	3.45992	-0.01390	-0.45058
9	29.041	0.04317	2.61562	-0.00412	-0.21437
10	33.041	0.02800	1.92897	-0.00225	-0.14708
11	33.688	0.02604	1.82099	-0.00205	-0.13784
12	34.334	0.02413	1.71345	-0.00185	-0.12871
13	37.166	0.01590	1.24383	-0.00102	-0.08882
14	40.001	0.00787	0.77651	-0.00021	-0.04907
15	41.000	0.00506	0.61194	0.00008	-0.03507

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Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.07708	-3.27596	-0.01536	-0.46139
2	1.000	-0.06795	-2.90364	-0.01549	-0.45507
3	3.833	-0.04172	-1.84894	-0.01631	-0.43716
4	6.667	-0.01444	-0.79410	-0.01757	-0.41921
5	7.312	-0.00799	-0.55371	-0.01763	-0.41512
6	7.958	-0.00160	-0.31527	-0.01739	-0.41092
7	11.959	0.03119	0.98842	-0.01374	-0.37617
8	20.501	0.04260	1.78839	-0.00664	-0.22294
9	29.041	0.01629	0.94372	-0.00177	-0.06951
10	33.041	0.00877	0.59950	-0.00078	-0.03463
11	33.688	0.00790	0.55326	-0.00067	-0.03041
12	34.334	0.00705	0.50782	-0.00056	-0.02629
13	37.166	0.00341	0.30920	-0.00009	-0.00825
14	40.001	-0.00013	0.11134	0.00036	0.00980
15	41.000	-0.00136	0.04163	0.00051	0.01617

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Cline Avenue - Load Rating - Single Box 41' Wide

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	0.00398	0.31894	-0.00191	-0.08335
2	1.000	0.00484	0.37223	-0.00192	-0.08478
3	3.833	0.00729	0.52351	-0.00197	-0.08886
4	6.667	0.00974	0.67576	-0.00202	-0.09302
5	7.312	0.01027	0.71063	-0.00200	-0.09398
6	7.958	0.01078	0.74430	-0.00198	-0.09485
7	11.959	0.01261	0.84856	-0.00173	-0.09236
8	20.501	0.00244	0.11860	-0.00047	-0.01722
9	29.041	-0.00985	-0.71800	0.00071	0.05799
10	33.041	-0.01021	-0.72073	0.00082	0.06053
11	33.688	-0.01005	-0.70554	0.00082	0.05967
12	34.334	-0.00988	-0.68923	0.00082	0.05872
13	37.166	-0.00911	-0.61838	0.00082	0.05460
14	40.001	-0.00833	-0.54836	0.00081	0.05057
15	41.000	-0.00806	-0.52376	0.00081	0.04915

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Cline Avenue - Load Rating - Single Box 41' Wide

Slab 5 section bottom appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.01182	0.67058	-0.00089	-0.05017
2	1.000	0.01188	0.69269	-0.00091	-0.05237
3	3.833	0.01204	0.75570	-0.00098	-0.05863
4	6.667	0.01211	0.81974	-0.00103	-0.06496
5	7.312	0.01208	0.83453	-0.00103	-0.06642
6	7.958	0.01203	0.84819	-0.00103	-0.06779
7	11.959	0.01086	0.83520	-0.00097	-0.06843
8	20.501	-0.00143	-0.04464	0.00000	-0.00038
9	29.041	-0.01240	-0.88077	0.00094	0.06769
10	33.041	-0.01207	-0.85010	0.00097	0.06708
11	33.688	-0.01182	-0.82890	0.00096	0.06571
12	34.334	-0.01154	-0.80654	0.00095	0.06426
13	37.166	-0.01034	-0.70931	0.00089	0.05794
14	40.001	-0.00915	-0.61306	0.00083	0.05170
15	41.000	-0.00873	-0.57923	0.00081	0.04951

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Cline Avenue - Load Rating - Single Box 41' Wide

Slab 6 section top appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	-0.00644	-0.73892	0.00003	-0.04379
2	1.000	-0.00960	-0.92450	-0.00028	-0.05948
3	3.833	-0.01866	-1.45127	-0.00117	-0.10399
4	6.667	-0.02794	-1.98103	-0.00209	-0.14871
5	7.312	-0.03010	-2.10231	-0.00231	-0.15893
6	7.958	-0.03231	-2.22395	-0.00253	-0.16929
7	11.959	-0.04927	-2.98600	-0.00459	-0.24368
8	20.501	-0.09618	-3.82700	-0.01542	-0.49797
9	29.041	-0.06307	-1.14553	-0.03469	-0.75221
10	33.041	0.00916	1.62147	-0.05767	-0.82674
11	33.688	0.03018	2.10944	-0.06010	-0.83710
12	34.334	0.05094	2.60028	-0.05696	-0.84730
13	37.166	0.11197	4.75427	-0.04151	-0.89182
14	40.001	0.16792	6.91092	-0.03674	-0.93628
15	41.000	0.18757	7.67215	-0.03595	-0.95195

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Cline Avenue - Load Rating - Single Box 41' Wide

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	-0.00506	-0.61193	0.00008	-0.03506
2	1.000	-0.00787	-0.77650	-0.00021	-0.04907
3	3.833	-0.01590	-1.24365	-0.00102	-0.08881
4	6.667	-0.02413	-1.71343	-0.00185	-0.12871
5	7.312	-0.02604	-1.82097	-0.00205	-0.13784
6	7.958	-0.02800	-1.92895	-0.00225	-0.14708
7	11.959	-0.04317	-2.61560	-0.00412	-0.21436
8	20.501	-0.08590	-3.45988	-0.01390	-0.45061
9	29.041	-0.05538	-1.11988	-0.03080	-0.68679
10	33.041	0.01155	1.38377	-0.04740	-0.75415
11	33.688	0.02635	1.82691	-0.04898	-0.76340
12	34.334	0.04113	2.27276	-0.04705	-0.77250
13	37.166	0.09685	4.22912	-0.03665	-0.81225
14	40.001	0.14783	6.18771	-0.03289	-0.85193
15	41.000	0.16560	6.87902	-0.03224	-0.86592

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Cline Avenue - Load Rating - Single Box 41' Wide

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	0.00136	-0.04163	0.00051	0.01617
2	1.000	0.00013	-0.11133	0.00036	0.00980
3	3.833	-0.00341	-0.30912	-0.00009	-0.00824
4	6.667	-0.00705	-0.50781	-0.00056	-0.02629
5	7.312	-0.00790	-0.55326	-0.00067	-0.03041
6	7.958	-0.00877	-0.59949	-0.00078	-0.03463
7	11.959	-0.01629	-0.94371	-0.00177	-0.06951
8	20.501	-0.04260	-1.78844	-0.00664	-0.22296
9	29.041	-0.03119	-0.98842	-0.01374	-0.37617
10	33.041	0.00160	0.31528	-0.01739	-0.41092
11	33.688	0.00799	0.55371	-0.01763	-0.41512
12	34.334	0.01444	0.79410	-0.01757	-0.41922
13	37.166	0.04171	1.84857	-0.01631	-0.43715
14	40.001	0.06795	2.90365	-0.01549	-0.45507
15	41.000	0.07708	3.27597	-0.01536	-0.46139

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Cline Avenue - Load Rating - Single Box 41' Wide

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	0.00806	0.52376	0.00081	0.04915
2	1.000	0.00833	0.54835	0.00081	0.05057
3	3.833	0.00911	0.61835	0.00082	0.05460
4	6.667	0.00988	0.68922	0.00082	0.05872
5	7.312	0.01005	0.70554	0.00082	0.05967
6	7.958	0.01021	0.72073	0.00082	0.06053
7	11.959	0.00985	0.71800	0.00071	0.05798
8	20.501	-0.00245	-0.11874	-0.00047	-0.01723
9	29.041	-0.01261	-0.84856	-0.00173	-0.09236
10	33.041	-0.01078	-0.74431	-0.00198	-0.09485
11	33.688	-0.01027	-0.71064	-0.00200	-0.09398
12	34.334	-0.00974	-0.67576	-0.00202	-0.09302
13	37.166	-0.00730	-0.52357	-0.00197	-0.08887
14	40.001	-0.00484	-0.37223	-0.00192	-0.08478
15	41.000	-0.00398	-0.31895	-0.00191	-0.08335

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Cline Avenue - Load Rating - Single Box 41' Wide

Slab 6 section bottom appendix

Load at node	Distance	Moment concentr.	Moment u.d.l.	Axial force concentr.	Axial force u.d.l.
1	0.000	0.00873	0.57923	0.00081	0.04951
2	1.000	0.00915	0.61306	0.00083	0.05170
3	3.833	0.01034	0.70927	0.00089	0.05794
4	6.667	0.01154	0.80653	0.00095	0.06426
5	7.312	0.01182	0.82890	0.00096	0.06571
6	7.958	0.01207	0.85010	0.00097	0.06708
7	11.959	0.01240	0.88076	0.00094	0.06769
8	20.501	0.00143	0.04449	-0.00001	-0.00039
9	29.041	-0.01086	-0.83520	-0.00097	-0.06843
10	33.041	-0.01203	-0.84820	-0.00103	-0.06779
11	33.688	-0.01208	-0.83454	-0.00103	-0.06642
12	34.334	-0.01211	-0.81975	-0.00103	-0.06496
13	37.166	-0.01204	-0.75572	-0.00098	-0.05863
14	40.001	-0.01188	-0.69269	-0.00091	-0.05237
15	41.000	-0.01182	-0.67058	-0.00089	-0.05017

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 PROGRAM  : BRUG(5.75.44 DATE  : 11/09/2009 START : 13:29:03
 PROJECT  : VEH: R1 - TO DATE  : 11/09/2009 END   : 13:29:04
                                     TOTAL (msec) :        265
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