```
        -------------------------- PROGRAM BRUG(5.75.44)
        -------------------------
        - INPUTFILE  : 1V A HL93_tandem_EL. -  OUTPUTFILE :
        1V_A_HL93_tandem_EL. -
        - DATE       :    11/09/200         -  TIME       :     13:27:47
        -

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


                          ********** 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: HL93- TANDEM - SINGLE TRUCK
    5 |* code 1001
    6 |Cline Avenue - Load Rating - Single Box 28'-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      122.0      28.33    1.0       1.0       1.3
   13 |* code 1004
   14 |    1    0    2
   15 |* code 1005
   16 |   50    1
   17 |* code 1005a
   18 |* location traffic lanes
   19 |7.667
   20 |* maximum and minimum truck
   21 |6.667     21.667    10.000
   22 |* code 1007, linear loads
   23 |0.7350    0.441
   24 |27.5983   0.441
   25 |* code 1201
   26 |    6    5    3    1    2
   27 |* code 1202 coordinates
   28 | 0.0000   8.2500
   29 | 6.3125   8.2500
   30 | 6.3125   0.3333
   31 |22.0208   8.2500
   32 |22.0208   0.3333
   33 |28.3333   8.2500
   34 |* code 1203 - profile 1
   35 |    5    2    3    4
   36 |0.000     0.750
   37 |1.667     0.971
   38 |3.236     1.178
   39 |5.667     1.500
   40 |6.313     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 |7.854     0.750
   47 |11.063    0.750
   48 |15.063    1.500
   49 |15.708    1.500
   50 |* code 1203 - profile 3
   51 |    5    2    3    4
   52 |0.000     1.500
   53 |0.646     1.500
   54 |3.076     1.178
   55 |4.646     0.971
   56 |6.313     0.750
   57 |* code 1203 - profile 4
   58 |    5    2    3    4
   59 |0.000     0.667
   60 |0.646     0.667
   61 |7.854     0.667
   62 |15.063    0.667
   63 |15.708    0.667
   64 |* code 1203 - profile 5
   65 |    5    2    3    4
   66 |0.000     1.292
   67 |0.750     1.292
   68 |4.042     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    2     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 |0.0       0.5
   87 |4.0       0.5
   88 |* code 1208 - accuracy
   89 |0.00001   0.00001   0.00001   .00001    .00001
   90 |* code 1209 number sections
   91 |    29
   92 |* code definition sections
   93 |   1A   1B   1C   1R   2L   2A   2B   2C   2R   3L   3A   3B   3C   3R
   4L  4A
   94 |   4B   4C   4R   5L   5A   5B   5C   5R   6L   6A   6B   6C   6R
   95 |* code 1210 - density conrete
          ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
          ^    ^
          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
   96 |0.156
   97 |* code 1211 - extra forces selfweight
   98 |
   99 |* code 1212 - surcharge
  100 |0.7083
  101 |* code 1213 - Prestressing Layout - NONE
  102 |
  103 |
  104 |
          ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
          ^    ^
          5   10   15   20   25   30   35   40   45   50   55   60   65   70
          75   80
```

VEH: HL93- TANDEM - BRUG(5.75.44) page 1
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" Wide

Length 250.000
Equivalent length 122.000

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	6.312	8.250
3	6.312	0.333
4	22.021	8.250
5	22.021	0.333
6	28.333	8.250

Slab data

num-ber	type	start node	end node	thickness	profile number	length
1	top	1	2	-	1	6.312
2	top	2	4	-	2	15.708
3	top	4	6	-	3	6.312
4	bottom	3	5	-	4	15.708
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)	1.667	0.971
3 (b)	3.236	1.178
4 (c)	5.667	1.500
5 (r)	6.313	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)	7.854	0.750
5	11.063	0.750
6	15.063	1.500
7 (r)	15.708	1.500

VEH: HL93- TANDEM - BRUG(5.75.44) page 2
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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)	3.076	1.178
4 (c)	4.646	0.971
5 (r)	6.313	0.750

Profile 4

section	z	thickness
1 (l)	0.000	0.667
2 (a)	0.646	0.667
3 (b)	7.854	0.667
4 (c)	15.063	0.667
5 (r)	15.708	0.667

Profile 5

section	z	thickness
1 (l)	0.000	1.292
2 (a)	0.750	1.292
3 (b)	4.042	1.292
4 (c)	7.583	1.292
5 (r)	7.917	1.292

1 2 13 1 1 0 4 2 1.0 1.0

```
 VEH: HL93- TANDEM -                BRUG(5.75.44)          page   3
                                     date 11/09/2009; time 13:27:47
 Cline Avenue - Load Rating - Single Box 28'-4" Wide

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



```
 VEH: HL93- TANDEM -                BRUG(5.75.44)          page   4
                                     date 11/09/2009; time 13:27:47
 Cline Avenue - Load Rating - Single Box 28'-4" Wide

 Length             250.000
 Equivalent length  122.000

 Loadings

 General loadings

      Density concrete      0.156
      Dead load (topping)   0.708

 Dead load (linear)

 Distance linear loads to edge superstructure and magnitude
      Linear load      z         p
           1         0.735     0.441
           2        27.598     0.441

 Live load
      Loading class               50
      Max. numbers of vehicles     1
      Vehicle code                13
      Number of
             - axles               2
             - wheels / axle       4
             - trafficlanes        1
             - u.d.l. lanes        0
             - linear loads        2

 Vehicle axles

      Axle Axle-dist Axle-load
         1     0.000    25.000
         2     4.000    25.000

 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    21.667

 Reduction coefficient

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

VEH: HL93- TANDEM - BRUG(5.75.44) page 5
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" Wide

Loadings (continued)

VEH: HL93- TANDEM - BRUG(5.75.44) page 6
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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: HL93- TANDEM - BRUG(5.75.44) page 7
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" Wide

Length 250.000 Equivalent length 122.000

Transverse influence lines

Load on web

Node	1	2
1	1.05	0.95
2	1.04	0.96
	1.00	1.00
4	0.96	1.04
6	0.95	1.05

Transverse loading distributions factors

web	Traffic lane 1
1	1.036
2	0.964

web	Lineair load 1	2
1	1.048	0.952
2	0.952	1.048

VEH: HL93- TANDEM - BRUG(5.75.44) page 8
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" Wide

Selfweight 51 harmonic

Slab	section	moment	axialforce
1	A	-0.15	0.05
1	B	-0.71	0.19
1	C	-2.49	0.64
1	RIGHT	-3.18	0.82
2	LEFT	-3.45	0.57
2	A	-2.70	0.39
2	B	0.18	-0.35
2	C	0.78	-0.50
2	RIGHT	-3.45	0.57
3	LEFT	-3.18	0.82
3	A	-2.49	0.64
3	B	-0.71	0.19
3	C	-0.15	0.05
3	RIGHT	0.00	0.00
4	LEFT	-1.65	0.24
4	A	-1.14	0.49
4	B	1.56	1.83
4	C	-1.14	0.49
4	RIGHT	-1.65	0.24
5	TOP	0.27	-2.35
5	A	0.09	-2.04
5	B	-0.71	-0.54
5	C	-1.56	0.74
5	BOTTOM	-1.65	0.81
6	TOP	-0.27	-2.35
6	A	-0.09	-2.04
6	B	0.71	-0.54
6	C	1.56	0.74
6	BOTTOM	1.65	0.81

VEH: HL93- TANDEM - BRUG(5.75.44) page 9
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.1390	-1.6630	0.0000	0.0043
2	6.312	-0.0001	0.0020	0.0005	0.0040
	14.166	-0.0021	0.0000	0.0005	0.0049
4	22.021	0.0000	-0.0018	0.0000	0.0058
6	28.333	0.0003	-0.0036	0.0001	0.0056
Area		-0.0575	-1.3863	0.0082	0.1392

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.154	-0.154	0.047	0.047
Topping	-0.035	-0.035	0.003	0.003
Linear loads	-0.411	-0.411	0.004	0.004
Live load (incl. reduction factor)				
Vehicle(s)	0.247	-0.112	0.029	0.031
Total	-0.352	-0.712	0.084	0.086

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 =
9.46 10.96 15.46 16.96

VEH: HL93- TANDEM - BRUG(5.75.44) page 10
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.2253	-3.2244	0.0006	0.0171
2	6.312	-0.0001	0.0059	0.0022	0.0161
	14.166	-0.0067	0.0003	0.0018	0.0196
4	22.021	-0.0001	-0.0048	0.0002	0.0230
6	28.333	0.0008	-0.0100	0.0004	0.0221
Area		-0.3272	-5.2213	0.0360	0.5551

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.708	-0.708	0.188	0.188
Topping	-0.131	-0.131	0.014	0.014
Linear loads	-1.102	-1.102	0.017	0.017
Live load (incl. reduction factor)				
Vehicle(s)	0.801	-0.369	0.133	0.126
Total	-1.140	-2.310	0.352	0.345

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
3.24 4.74 9.24 10.74

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
9.46 10.96 15.46 16.96

VEH: HL93- TANDEM - BRUG(5.75.44) page 11
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.3308	-5.6320	0.0049	0.0591
2	6.312	0.0035	0.0181	0.0110	0.0561
	14.166	-0.0259	0.0018	0.0068	0.0670
4	22.021	-0.0003	-0.0133	0.0008	0.0779
6	28.333	0.0029	-0.0287	0.0013	0.0750
Area		-1.2160	-15.9911	0.1582	1.8988

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-2.491	-2.491	0.642	0.642
Topping	-0.400	-0.400	0.047	0.047
Linear loads	-2.172	-2.172	0.059	0.059
Live load (incl. reduction factor)				
Vehicle(s)	-0.184	-4.710	0.091	0.597
Total	-5.247	-9.772	0.839	1.345

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

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

VEH: HL93- TANDEM - BRUG(5.75.44) page 12
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.3661	-6.2692	0.0075	0.0754
2	6.312	0.0108	0.0228	0.0170	0.0717
	14.166	-0.0356	0.0025	0.0089	0.0852
4	22.021	-0.0004	-0.0164	0.0010	0.0988
6	28.333	0.0038	-0.0356	0.0016	0.0951
Area		-1.6440	-19.8375	0.2244	2.4148

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.182	-3.182	0.816	0.816
Topping	-0.496	-0.496	0.060	0.060
Linear loads	-2.456	-2.456	0.075	0.075
Live load (incl. reduction factor)				
Vehicle(s)	-0.250	-6.868	0.119	0.859
Total	-6.384	-13.003	1.071	1.810

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

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

VEH: HL93- TANDEM - BRUG(5.75.44) page 13
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.0957	-0.3157	0.0457	0.8972
2	6.312	0.0406	1.6122	0.0224	0.3413
	14.166	-0.1524	-2.3188	-0.0069	-0.2140
4	22.021	-0.0304	-1.6043	-0.0044	-0.1703
6	28.333	0.0110	-0.3369	0.0013	0.0027
Area		-1.8562	-23.7880	0.1958	1.9097

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.451	-3.451	0.574	0.574
Topping	-0.595	-0.595	0.048	0.048
Linear loads	-0.254	-0.254	0.359	0.359
Live load (incl. reduction factor)				
Vehicle(s)	-2.615	-7.891	-0.274	-0.142
Total	-6.915	-12.191	0.708	0.840

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
9.46 10.96 15.46 16.96

VEH: HL93- TANDEM - BRUG(5.75.44) page 14
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.0714	-0.3124	0.0406	0.8413
2	6.312	0.0317	1.4813	0.0162	0.3014
	14.166	-0.1343	-1.9966	-0.0085	-0.2337
4	22.021	-0.0278	-1.4747	-0.0044	-0.1696
6	28.333	0.0095	-0.3412	0.0019	0.0193
Area		-1.3622	-18.9418	0.1314	1.3537

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-2.704	-2.704	0.386	0.386
Topping	-0.474	-0.474	0.034	0.034
Linear loads	-0.254	-0.254	0.342	0.342
Live load (incl. reduction factor)				
Vehicle(s)	-2.380	-5.936	-0.281	-0.435
Total	-5.813	-9.369	0.481	0.327

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
12.67 14.17 18.67 20.17

VEH: HL93- TANDEM - BRUG(5.75.44) page 15
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.0248	-0.3150	0.0213	0.5376
2	6.312	0.0127	0.6631	0.0026	0.0954
	14.166	-0.0267	0.0010	-0.0127	-0.3102
4	22.021	-0.0127	-0.6608	-0.0035	-0.1167
6	28.333	-0.0001	-0.3422	0.0071	0.1701
Area		0.1417	1.8298	-0.0347	-0.8147

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.180	0.180	-0.346	-0.346
Topping	0.046	0.046	-0.020	-0.020
Linear loads	-0.256	-0.256	0.275	0.275
Live load (incl. reduction factor)				
Vehicle(s)	2.976	-1.285	0.049	-0.426
Total	2.946	-1.315	-0.043	-0.518

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
3.46 4.96 9.46 10.96

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
15.88 17.38 21.88 23.38

VEH: HL93- TANDEM - BRUG(5.75.44) page 16
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.0110	-0.3288	0.0130	0.3380
2	6.312	-0.0001	0.0009	-0.0014	-0.0265
	14.166	0.1404	1.6048	-0.0133	-0.3261
4	22.021	-0.0001	0.0008	-0.0014	-0.0265
6	28.333	-0.0110	-0.3288	0.0130	0.3380
Area		0.5634	6.9683	-0.0597	-1.2640

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.780	0.780	-0.498	-0.498
Topping	0.174	0.174	-0.032	-0.032
Linear loads	-0.256	-0.256	0.261	0.261
Live load (incl. reduction factor)				
Vehicle(s)	3.936	0.385	-0.613	-0.104
Total	4.634	1.082	-0.882	-0.373

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
8.17 9.67 14.17 15.67

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

VEH: HL93- TANDEM - BRUG(5.75.44) page 17
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	0.0110	-0.3368	0.0013	0.0027
2	6.312	-0.0303	-1.6042	-0.0044	-0.1703
	14.166	-0.1524	-2.3187	-0.0069	-0.2140
4	22.021	0.0406	1.6121	0.0224	0.3413
6	28.333	-0.0957	-0.3157	0.0457	0.8972
Area		-1.8559	-23.7848	0.1958	1.9098

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.451	-3.451	0.574	0.574
Topping	-0.595	-0.595	0.048	0.048
Linear loads	-0.254	-0.254	0.359	0.359
Live load (incl. reduction factor)				
Vehicle(s)	-2.615	-7.891	-0.274	-0.142
Total	-6.915	-12.190	0.708	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 =
11.38 12.88 17.38 18.88

VEH: HL93- TANDEM - BRUG(5.75.44) page 18
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	0.0038	-0.0356	0.0016	0.0951
2	6.312	-0.0004	-0.0164	0.0010	0.0988
	14.166	-0.0356	0.0025	0.0089	0.0852
4	22.021	0.0108	0.0228	0.0170	0.0717
6	28.333	-0.3661	-6.2692	0.0075	0.0754
Area		-1.6438	-19.8349	0.2244	2.4148

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-3.182	-3.182	0.816	0.816
Topping	-0.496	-0.496	0.060	0.060
Linear loads	-2.456	-2.456	0.075	0.075
Live load (incl. reduction factor)				
Vehicle(s)	-0.250	-6.868	0.119	0.859
Total	-6.384	-13.003	1.071	1.810

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

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

VEH: HL93- TANDEM - BRUG(5.75.44) page 19
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	0.0029	-0.0287	0.0013	0.0750
2	6.312	-0.0003	-0.0133	0.0008	0.0779
	14.166	-0.0259	0.0018	0.0068	0.0670
4	22.021	0.0035	0.0181	0.0110	0.0561
6	28.333	-0.3308	-5.6320	0.0049	0.0591
Area		-1.2158	-15.9886	0.1582	1.8988

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-2.490	-2.490	0.642	0.642
Topping	-0.400	-0.400	0.047	0.047
Linear loads	-2.172	-2.172	0.059	0.059
Live load (incl. reduction factor)				
Vehicle(s)	-0.184	-4.710	0.091	0.596
Total	-5.246	-9.773	0.839	1.345

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

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.0008	-0.0100	0.0004	0.0221
2	6.312	-0.0001	-0.0048	0.0002	0.0231
	14.166	-0.0067	0.0003	0.0018	0.0196
4	22.021	-0.0001	0.0059	0.0022	0.0161
6	28.333	-0.2253	-3.2254	0.0006	0.0171
Area		-0.3273	-5.2233	0.0360	0.5555

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.708	-0.708	0.188	0.188
Topping	-0.131	-0.131	0.014	0.014
Linear loads	-1.103	-1.103	0.017	0.017
Live load (incl. reduction factor)				
Vehicle(s)	0.800	-0.370	0.133	0.126
Total	-1.141	-2.311	0.352	0.345

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.60 19.10 23.60 25.10

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
11.38 12.88 17.38 18.88

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date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	0.0003	-0.0036	0.0001	0.0056
2	6.312	0.0000	-0.0018	0.0000	0.0058
	14.166	-0.0021	0.0000	0.0005	0.0049
4	22.021	-0.0001	0.0020	0.0005	0.0040
6	28.333	-0.1390	-1.6630	0.0000	0.0043
Area		-0.0574	-1.3859	0.0082	0.1392

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.154	-0.154	0.047	0.047
Topping	-0.035	-0.035	0.003	0.003
Linear loads	-0.411	-0.411	0.004	0.004
Live load (incl. reduction factor)				
Vehicle(s)	0.248	-0.112	0.029	0.031
Total	-0.352	-0.712	0.084	0.086

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
11.38 12.88 17.38 18.88

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date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	6.312	0.0000	0.0000	0.0000	0.0000
	14.166	0.0000	0.0000	0.0000	0.0000
4	22.021	0.0000	0.0000	0.0000	0.0000
6	28.333	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 =
17.92 19.42 23.92 25.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
11.38 12.88 17.38 18.88

VEH: HL93- TANDEM - BRUG(5.75.44) page 23
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	0.0173	0.6021	-0.0345	-0.8217
2	6.312	0.0110	0.5611	-0.0058	-0.2696
	14.166	-0.0028	-0.0478	0.0141	0.2992
4	22.021	-0.0105	-0.5586	0.0054	0.2691
6	28.333	-0.0100	-0.4802	0.0005	0.0924
Area		0.0006	-0.0484	0.0212	0.5051

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.645	-1.645	0.242	0.242
Topping	-0.001	-0.001	0.013	0.013
Linear loads	0.048	0.048	-0.284	-0.284
Live load (incl. reduction factor)				
Vehicle(s)	0.617	-0.599	-0.361	0.384
Total	-0.982	-2.198	-0.391	0.355

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

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.0155	0.5570	-0.0303	-0.7590
2	6.312	0.0099	0.5144	-0.0024	-0.2226
	14.166	-0.0025	-0.0479	0.0157	0.3254
4	22.021	-0.0096	-0.5123	0.0059	0.2745
6	28.333	-0.0089	-0.4355	0.0002	0.0820
Area		-0.0006	-0.0536	0.0726	1.2471

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.137	-1.137	0.492	0.492
Topping	-0.001	-0.001	0.031	0.031
Linear loads	0.047	0.047	-0.261	-0.261
Live load (incl. reduction factor)				
Vehicle(s)	0.556	-0.545	-0.165	0.417
Total	-0.535	-1.635	0.098	0.680

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

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

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date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	0.0018	0.0597	-0.0066	-0.1987
2	6.312	0.0000	0.0001	0.0091	0.1658
	14.166	-0.0016	-0.0489	0.0216	0.4653
4	22.021	0.0000	0.0001	0.0091	0.1658
6	28.333	0.0018	0.0597	-0.0066	-0.1987
Area		-0.0039	-0.0816	0.2758	5.2091

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	1.557	1.557	1.831	1.831
Topping	-0.002	-0.002	0.130	0.130
Linear loads	0.047	0.047	-0.138	-0.138
Live load (incl. reduction factor)				
Vehicle(s)	-0.005	-0.069	0.579	1.123
Total	1.596	1.532	2.403	2.947

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
12.67 14.17 18.67 20.17

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Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.0089	-0.4356	0.0002	0.0820
2	6.312	-0.0096	-0.5124	0.0059	0.2745
	14.166	-0.0025	-0.0480	0.0157	0.3254
4	22.021	0.0099	0.5145	-0.0025	-0.2227
6	28.333	0.0155	0.5570	-0.0303	-0.7591
Area		-0.0006	-0.0537	0.0725	1.2460

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.138	-1.138	0.492	0.492
Topping	-0.001	-0.001	0.031	0.031
Linear loads	0.047	0.047	-0.261	-0.261
Live load (incl. reduction factor)				
Vehicle(s)	0.556	-0.545	-0.165	0.417
Total	-0.536	-1.636	0.097	0.679

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

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

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date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.0100	-0.4802	0.0005	0.0924
2	6.312	-0.0105	-0.5586	0.0054	0.2691
	14.166	-0.0028	-0.0478	0.0141	0.2992
4	22.021	0.0110	0.5611	-0.0058	-0.2696
6	28.333	0.0173	0.6020	-0.0345	-0.8217
Area		0.0006	-0.0484	0.0212	0.5050

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.645	-1.645	0.242	0.242
Topping	-0.001	-0.001	0.013	0.013
Linear loads	0.048	0.048	-0.284	-0.284
Live load (incl. reduction factor)				
Vehicle(s)	0.617	-0.599	-0.361	0.384
Total	-0.982	-2.198	-0.391	0.355

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

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

VEH: HL93- TANDEM - BRUG(5.75.44) page 28
date 11/09/2009; time 13:27:47
Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.2704	-5.9535	-0.1012	-0.9909
2	6.312	-0.0298	-1.5895	-0.1330	-0.7897
	14.166	0.1168	2.3213	-0.0471	-0.4974
4	22.021	0.0300	1.5880	-0.0042	-0.2053
6	28.333	-0.0072	0.3013	0.0040	-0.0039
Area		0.2122	3.9505	-1.5931	-14.0942

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.269	0.269	-2.350	-2.350
Topping	0.099	0.099	-0.352	-0.352
Linear loads	-2.203	-2.203	-0.439	-0.439
Live load (incl. reduction factor)				
Vehicle(s)	5.925	-2.049	-2.919	-6.615
Total	4.090	-3.884	-6.059	-9.756

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
10.96 12.46 16.96 18.46

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 - Single Box 28'-4" 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	-0.2288	-5.3314	-0.0908	-0.9032
2	6.312	-0.0261	-1.3845	-0.1134	-0.7213
	14.166	0.0991	2.0968	-0.0421	-0.4491
4	22.021	0.0259	1.3834	-0.0038	-0.1771
6	28.333	-0.0068	0.2263	0.0037	0.0049
Area		0.1770	3.5716	-1.3989	-12.7267

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.087	0.087	-2.039	-2.039
Topping	0.089	0.089	-0.318	-0.318
Linear loads	-1.989	-1.989	-0.396	-0.396
Live load (incl. reduction factor)				
Vehicle(s)	4.544	-1.751	-1.889	-5.802
Total	2.731	-3.563	-4.642	-8.555

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
12.67 14.17 18.67 20.17

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 - Single Box 28'-4" 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	-0.0965	-2.6044	-0.0435	-0.5042
2	6.312	-0.0090	-0.4891	-0.0458	-0.4080
	14.166	0.0435	1.1116	-0.0192	-0.2231
4	22.021	0.0089	0.4896	-0.0015	-0.0383
6	28.333	-0.0072	-0.0994	0.0029	0.0579
Area		0.0779	1.9087	-0.6107	-6.3222

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.708	-0.708	-0.538	-0.538
Topping	0.048	0.048	-0.158	-0.158
Linear loads	-1.054	-1.054	-0.197	-0.197
Live load (incl. reduction factor)				
Vehicle(s)	1.943	-0.613	-0.857	-2.541
Total	0.229	-2.327	-1.750	-3.434

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
12.67 14.17 18.67 20.17

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 - Single Box 28'-4" 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	0.0079	0.3256	-0.0045	-0.1041
2	6.312	0.0092	0.4706	-0.0038	-0.0979
	14.166	0.0010	0.0522	-0.0010	-0.0150
4	22.021	-0.0088	-0.4682	0.0012	0.0679
6	28.333	-0.0096	-0.4473	0.0019	0.0742
Area		0.0064	0.1203	-0.0344	-0.4247

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.564	-1.564	0.741	0.741
Topping	0.003	0.003	-0.011	-0.011
Linear loads	-0.047	-0.047	-0.013	-0.013
Live load (incl. reduction factor)				
Vehicle(s)	0.509	-0.483	-0.217	0.063
Total	-1.100	-2.091	0.500	0.781

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

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

VEH: HL93- TANDEM - BRUG(5.75.44) page 32
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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.0173	0.6021	-0.0021	-0.0707
2	6.312	0.0110	0.5611	-0.0017	-0.0726
	14.166	-0.0028	-0.0478	0.0000	-0.0003
4	22.021	-0.0105	-0.5586	0.0014	0.0720
6	28.333	-0.0100	-0.4802	0.0017	0.0701
Area		0.0006	-0.0484	-0.0025	-0.0085

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-1.645	-1.645	0.815	0.815
Topping	-0.001	-0.001	0.000	0.000
Linear loads	0.048	0.048	0.000	0.000
Live load (incl. reduction factor)				
Vehicle(s)	0.617	-0.599	-0.093	0.081
Total	-0.982	-2.198	0.721	0.895

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

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	0.0072	-0.3012	0.0040	-0.0039
2	6.312	-0.0300	-1.5878	-0.0042	-0.2053
	14.166	-0.1168	-2.3213	-0.0471	-0.4974
4	22.021	0.0298	1.5894	-0.1330	-0.7897
6	28.333	0.2704	5.9535	-0.1012	-0.9909
Area		-0.2121	-3.9499	-1.5931	-14.0941

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.269	-0.269	-2.350	-2.350
Topping	-0.099	-0.099	-0.352	-0.352
Linear loads	2.202	2.202	-0.439	-0.439
Live load (incl. reduction factor)				
Vehicle(s)	2.051	-5.924	-6.615	-2.919
Total	3.885	-4.090	-9.756	-6.060

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
9.88 11.38 15.88 17.38

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.0068	-0.2263	0.0037	0.0049
2	6.312	-0.0259	-1.3832	-0.0038	-0.1771
	14.166	-0.0991	-2.0968	-0.0421	-0.4491
4	22.021	0.0261	1.3844	-0.1134	-0.7213
6	28.333	0.2288	5.3314	-0.0908	-0.9032
Area		-0.1769	-3.5710	-1.3990	-12.7266

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	-0.088	-0.088	-2.039	-2.039
Topping	-0.089	-0.089	-0.318	-0.318
Linear loads	1.989	1.989	-0.396	-0.396
Live load (incl. reduction factor)				
Vehicle(s)	1.752	-4.544	-5.803	-1.889
Total	3.564	-2.731	-8.556	-4.642

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
8.17 9.67 14.17 15.67

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.0072	0.0994	0.0029	0.0579
2	6.312	-0.0089	-0.4896	-0.0015	-0.0383
	14.166	-0.0435	-1.1116	-0.0192	-0.2231
4	22.021	0.0090	0.4891	-0.0458	-0.4080
6	28.333	0.0966	2.6045	-0.0435	-0.5042
Area		-0.0778	-1.9083	-0.6107	-6.3222

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	0.708	0.708	-0.538	-0.538
Topping	-0.048	-0.048	-0.158	-0.158
Linear loads	1.054	1.054	-0.197	-0.197
Live load (incl. reduction factor)				
Vehicle(s)	0.613	-1.943	-2.541	-0.857
Total	2.327	-0.229	-3.434	-1.750

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
8.17 9.67 14.17 15.67

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.0096	0.4474	0.0019	0.0742
2	6.312	0.0088	0.4682	0.0012	0.0679
	14.166	-0.0010	-0.0521	-0.0010	-0.0150
4	22.021	-0.0092	-0.4706	-0.0038	-0.0979
6	28.333	-0.0079	-0.3256	-0.0045	-0.1041
Area		-0.0064	-0.1202	-0.0344	-0.4247

Description	Moment Max.	Moment Min.	Axial force in case of Max. mom	Axial force in case of Min. mom
Selfweight	1.564	1.564	0.741	0.741
Topping	-0.003	-0.003	-0.011	-0.011
Linear loads	0.047	0.047	-0.013	-0.013
Live load (incl. reduction factor)				
Vehicle(s)	0.483	-0.509	0.063	-0.217
Total	2.091	1.100	0.781	0.500

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

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.0100	0.4802	0.0017	0.0701
2	6.312	0.0105	0.5586	0.0014	0.0720
	14.166	0.0028	0.0478	0.0000	-0.0003
4	22.021	-0.0110	-0.5611	-0.0017	-0.0726
6	28.333	-0.0173	-0.6020	-0.0021	-0.0707
Area		-0.0006	0.0484	-0.0025	-0.0085

Description	Moment Max.	Moment Min.	Axial force Max. mom	Axial force in case of Min. mom
Selfweight	1.645	1.645	0.815	0.815
Topping	0.001	0.001	0.000	0.000
Linear loads	-0.048	-0.048	0.000	0.000
Live load (incl. reduction factor)				
Vehicle(s)	0.599	-0.617	0.081	-0.093
Total	2.198	0.982	0.895	0.721

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

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.92 19.42 23.92 25.42

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

LOAD ON THE WEBS

WEB	S.W.
1	4.79
2	4.79

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

Summary of the results (Maximum)

Section	--- Deadload ----		----- P.T. ------		--- Live load ---	
	Moment	Ax.Frc	Moment	Ax.Frc	Moment	Ax.Frc
1 a	-0.60	0.05	0.00	0.00	0.25	0.03
1 b	-1.94	0.22	0.00	0.00	0.80	0.13
1 c	-5.06	0.75	0.00	0.00	-0.18	0.09
1 right	-6.13	0.95	0.00	0.00	-0.25	0.12
2 left	-4.30	0.98	0.00	0.00	-2.61	-0.27
2 a	-3.43	0.76	0.00	0.00	-2.38	-0.28
2 b	-0.03	-0.09	0.00	0.00	2.98	0.05
2 c	0.70	-0.27	0.00	0.00	3.94	-0.61
2 right	-4.30	0.98	0.00	0.00	-2.62	-0.27
3 left	-6.13	0.95	0.00	0.00	-0.25	0.12
3 a	-5.06	0.75	0.00	0.00	-0.18	0.09
3 b	-1.94	0.22	0.00	0.00	0.80	0.13
3 c	-0.60	0.05	0.00	0.00	0.25	0.03
3 right	0.00	0.00	0.00	0.00	0.00	0.00
4 left	-1.60	-0.03	0.00	0.00	0.62	-0.36
4 a	-1.09	0.26	0.00	0.00	0.56	-0.16
4 b	1.60	1.82	0.00	0.00	-0.01	0.58
4 c	-1.09	0.26	0.00	0.00	0.56	-0.16
4 right	-1.60	-0.03	0.00	0.00	0.62	-0.36
5 top	-1.83	-3.14	0.00	0.00	5.92	-2.92
5 a	-1.81	-2.75	0.00	0.00	4.54	-1.89
5 b	-1.71	-0.89	0.00	0.00	1.94	-0.86
5 c	-1.61	0.72	0.00	0.00	0.51	-0.22
5 bottom	-1.60	0.81	0.00	0.00	0.62	-0.09
6 top	1.83	-3.14	0.00	0.00	2.05	-6.62
6 a	1.81	-2.75	0.00	0.00	1.75	-5.80
6 b	1.71	-0.89	0.00	0.00	0.61	-2.54
6 c	1.61	0.72	0.00	0.00	0.48	0.06
6 bottom	1.60	0.81	0.00	0.00	0.60	0.08

Summary of the results (Minimum)

Section	--- Deadload ----		----- P.T. ------		--- Live load ---	
	Moment	Ax.Frc	Moment	Ax.Frc	Moment	Ax.Frc
1 a	-0.60	0.05	0.00	0.00	-0.11	0.03
1 b	-1.94	0.22	0.00	0.00	-0.37	0.13
1 c	-5.06	0.75	0.00	0.00	-4.71	0.60
1 right	-6.13	0.95	0.00	0.00	-6.87	0.86
2 left	-4.30	0.98	0.00	0.00	-7.89	-0.14
2 a	-3.43	0.76	0.00	0.00	-5.94	-0.44
2 b	-0.03	-0.09	0.00	0.00	-1.29	-0.43
2 c	0.70	-0.27	0.00	0.00	0.38	-0.10
2 right	-4.30	0.98	0.00	0.00	-7.89	-0.14
3 left	-6.13	0.95	0.00	0.00	-6.87	0.86
3 a	-5.06	0.75	0.00	0.00	-4.71	0.60
3 b	-1.94	0.22	0.00	0.00	-0.37	0.13
3 c	-0.60	0.05	0.00	0.00	-0.11	0.03
3 right	0.00	0.00	0.00	0.00	0.00	0.00
4 left	-1.60	-0.03	0.00	0.00	-0.60	0.38

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Summary of the results (Minimum)

Section	--- Deadload ----		----- P.T. ------		--- Live load ---	
	Moment	Ax.Frc	Moment	Ax.Frc	Moment	Ax.Frc
4 a	-1.09	0.26	0.00	0.00	-0.54	0.42
4 b	1.60	1.82	0.00	0.00	-0.07	1.12
4 c	-1.09	0.26	0.00	0.00	-0.54	0.42
4 right	-1.60	-0.03	0.00	0.00	-0.60	0.38
5 top	-1.83	-3.14	0.00	0.00	-2.05	-6.62
5 a	-1.81	-2.75	0.00	0.00	-1.75	-5.80
5 b	-1.71	-0.89	0.00	0.00	-0.61	-2.54
5 c	-1.61	0.72	0.00	0.00	-0.48	0.06
5 bottom	-1.60	0.81	0.00	0.00	-0.60	0.08
6 top	1.83	-3.14	0.00	0.00	-5.92	-2.92
6 a	1.81	-2.75	0.00	0.00	-4.54	-1.89
6 b	1.71	-0.89	0.00	0.00	-1.94	-0.86
6 c	1.61	0.72	0.00	0.00	-0.51	-0.22
6 bottom	1.60	0.81	0.00	0.00	-0.62	-0.09

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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

slab	section	moment	axial force
1	A	51	29
1	B	51	51
1	C	51	51
1	RIGHT	51	51
2	LEFT	51	51
2	A	51	49
2	B	51	35
2	C	51	31
2	RIGHT	51	51
3	LEFT	51	51
3	A	51	51
3	B	51	51
3	C	51	29
3	RIGHT	9	9
4	LEFT	31	33
4	A	29	31
4	B	25	25
4	C	29	31
4	RIGHT	31	33
5	TOP	51	51
5	A	43	51
5	B	33	51
5	C	37	39
5	BOTTOM	31	49
6	TOP	51	51
6	A	43	51
6	B	33	51
6	C	37	39
6	BOTTOM	31	49

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	-0.13898	-1.66303	0.00004	0.00426
2	1.667	0.03658	0.00359	0.00010	0.00419
3	3.236	0.00925	0.00300	0.00018	0.00413
4	5.667	0.00076	0.00221	0.00040	0.00404
5	6.312	-0.00010	0.00200	0.00051	0.00401
6	6.958	-0.00077	0.00180	0.00062	0.00399
7	10.959	-0.00264	0.00069	0.00074	0.00423
8	14.166	-0.00207	0.00003	0.00046	0.00491
9	17.376	-0.00086	-0.00059	0.00016	0.00560
10	21.376	-0.00008	-0.00159	0.00004	0.00584
11	22.021	-0.00003	-0.00178	0.00004	0.00582
12	22.667	0.00001	-0.00197	0.00005	0.00579
13	25.097	0.00014	-0.00268	0.00007	0.00570
14	26.667	0.00020	-0.00313	0.00008	0.00564
15	28.333	0.00027	-0.00361	0.00010	0.00558

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	-0.22525	-3.22437	0.00060	0.01710
2	1.667	-0.10478	-1.55893	0.00084	0.01685
3	3.236	0.04624	0.00875	0.00111	0.01661
4	5.667	0.00317	0.00645	0.00180	0.01624
5	6.312	-0.00007	0.00586	0.00224	0.01614
6	6.958	-0.00255	0.00529	0.00271	0.01606
7	10.959	-0.00882	0.00216	0.00301	0.01698
8	14.166	-0.00673	0.00030	0.00184	0.01958
9	17.376	-0.00275	-0.00145	0.00065	0.02219
10	21.376	-0.00024	-0.00429	0.00017	0.02313
11	22.021	-0.00009	-0.00482	0.00019	0.02305
12	22.667	0.00004	-0.00536	0.00021	0.02295
13	25.097	0.00043	-0.00737	0.00029	0.02259
14	26.667	0.00063	-0.00867	0.00033	0.02236
15	28.333	0.00084	-0.01004	0.00038	0.02212

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	-0.33077	-5.63201	0.00492	0.05914
2	1.667	-0.24695	-3.96954	0.00581	0.05834
3	3.236	-0.16045	-2.40480	0.00678	0.05759
4	5.667	0.02810	0.01982	0.00921	0.05642
5	6.312	0.00354	0.01806	0.01103	0.05611
6	6.958	-0.01045	0.01635	0.01278	0.05586
7	10.959	-0.03564	0.00723	0.01141	0.05877
8	14.166	-0.02590	0.00180	0.00676	0.06699
9	17.376	-0.01015	-0.00335	0.00246	0.07523
10	21.376	-0.00086	-0.01174	0.00074	0.07818
11	22.021	-0.00030	-0.01331	0.00077	0.07793
12	22.667	0.00016	-0.01490	0.00083	0.07762
13	25.097	0.00152	-0.02085	0.00104	0.07647
14	26.667	0.00222	-0.02468	0.00116	0.07575
15	28.333	0.00290	-0.02873	0.00129	0.07499

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Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.36611	-6.26919	0.00747	0.07541
2	1.667	-0.28910	-4.60783	0.00870	0.07443
3	3.236	-0.21117	-3.04411	0.01015	0.07350
4	5.667	-0.05638	-0.62118	0.01428	0.07205
5	6.312	0.01077	0.02278	0.01702	0.07166
6	6.958	-0.01455	0.02062	0.01921	0.07135
7	10.959	-0.05014	0.00928	0.01524	0.07496
8	14.166	-0.03563	0.00251	0.00888	0.08519
9	17.376	-0.01375	-0.00392	0.00324	0.09545
10	21.376	-0.00114	-0.01440	0.00099	0.09912
11	22.021	-0.00039	-0.01636	0.00103	0.09881
12	22.667	0.00022	-0.01834	0.00109	0.09842
13	25.097	0.00202	-0.02577	0.00134	0.09699
14	26.667	0.00295	-0.03055	0.00148	0.09609
15	28.333	0.00383	-0.03562	0.00163	0.09514

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Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.09570	-0.31570	0.04568	0.89718
2	1.667	-0.07031	0.19318	0.04035	0.75039
3	3.236	-0.04416	0.67224	0.03536	0.61224
4	5.667	0.01238	1.41479	0.02680	0.39820
5	6.312	0.04058	1.61224	0.02237	0.34132
6	6.958	-0.02407	1.16750	0.01720	0.28470
7	10.959	-0.16777	-1.23118	-0.00037	-0.03861
8	14.166	-0.15244	-2.31880	-0.00694	-0.21404
9	17.376	-0.08904	-2.37657	-0.00778	-0.25668
10	21.376	-0.03554	-1.73269	-0.00500	-0.18762
11	22.021	-0.03035	-1.60432	-0.00437	-0.17034
12	22.667	-0.02556	-1.47448	-0.00373	-0.15263
13	25.097	-0.00905	-0.98644	-0.00148	-0.08602
14	26.667	0.00085	-0.67134	-0.00012	-0.04299
15	28.333	0.01100	-0.33687	0.00130	0.00269

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Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.07137	-0.31243	0.04062	0.84131
2	1.667	-0.05004	0.16102	0.03524	0.69873
3	3.236	-0.02826	0.60672	0.02998	0.56452
4	5.667	0.01485	1.29757	0.02022	0.35660
5	6.312	0.03173	1.48125	0.01624	0.30136
6	6.958	0.05753	1.66881	0.01207	0.24639
7	10.959	-0.13394	-0.82364	-0.00301	-0.06665
8	14.166	-0.13434	-1.99658	-0.00845	-0.23367
9	17.376	-0.08055	-2.13965	-0.00850	-0.26789
10	21.376	-0.03248	-1.58927	-0.00512	-0.18856
11	22.021	-0.02778	-1.47470	-0.00440	-0.16965
12	22.667	-0.02345	-1.35858	-0.00368	-0.15030
13	25.097	-0.00856	-0.92212	-0.00116	-0.07755
14	26.667	0.00035	-0.64032	0.00037	-0.03056
15	28.333	0.00950	-0.34121	0.00195	0.01934

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	-0.02481	-0.31501	0.02128	0.53762
2	1.667	-0.01584	-0.05683	0.01687	0.42083
3	3.236	-0.00701	0.18622	0.01251	0.31091
4	5.667	0.00815	0.56293	0.00490	0.14061
5	6.312	0.01270	0.66308	0.00256	0.09535
6	6.958	0.01787	0.76639	0.00023	0.05040
7	10.959	0.11444	1.70087	-0.00978	-0.19813
8	14.166	-0.02670	0.00098	-0.01267	-0.31023
9	17.376	-0.03075	-0.66892	-0.01077	-0.28951
10	21.376	-0.01447	-0.69140	-0.00477	-0.14563
11	22.021	-0.01273	-0.66084	-0.00353	-0.11670
12	22.667	-0.01115	-0.62818	-0.00230	-0.08736
13	25.097	-0.00603	-0.50547	0.00196	0.02302
14	26.667	-0.00310	-0.42625	0.00451	0.09434
15	28.333	-0.00014	-0.34219	0.00711	0.17005

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	-0.01096	-0.32883	0.01298	0.33799
2	1.667	-0.00824	-0.24176	0.00951	0.24174
3	3.236	-0.00560	-0.15982	0.00610	0.15114
4	5.667	-0.00131	-0.03283	0.00031	0.01078
5	6.312	-0.00010	0.00092	-0.00140	-0.02652
6	6.958	0.00124	0.03728	-0.00311	-0.06348
7	10.959	0.02478	0.51576	-0.01091	-0.25968
8	14.166	0.14043	1.60481	-0.01326	-0.32610
9	17.376	0.02476	0.51539	-0.01091	-0.25966
10	21.376	0.00124	0.03706	-0.00311	-0.06345
11	22.021	-0.00010	0.00077	-0.00140	-0.02654
12	22.667	-0.00131	-0.03296	0.00031	0.01076
13	25.097	-0.00560	-0.15984	0.00610	0.15107
14	26.667	-0.00824	-0.24181	0.00951	0.24173
15	28.333	-0.01096	-0.32883	0.01299	0.33799

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.01100	-0.33684	0.00129	0.00269
2	1.667	0.00085	-0.67127	-0.00012	-0.04298
3	3.236	-0.00904	-0.98614	-0.00148	-0.08598
4	5.667	-0.02555	-1.47433	-0.00373	-0.15261
5	6.312	-0.03035	-1.60416	-0.00437	-0.17032
6	6.958	-0.03555	-1.73272	-0.00500	-0.18762
7	10.959	-0.08905	-2.37648	-0.00778	-0.25667
8	14.166	-0.15243	-2.31874	-0.00694	-0.21404
9	17.376	-0.16776	-1.23082	-0.00036	-0.03856
10	21.376	-0.02400	1.16805	0.01721	0.28477
11	22.021	0.04058	1.61212	0.02237	0.34130
12	22.667	0.01238	1.41469	0.02680	0.39819
13	25.097	-0.04413	0.67250	0.03536	0.61215
14	26.667	-0.07029	0.19319	0.04035	0.75039
15	28.333	-0.09568	-0.31565	0.04568	0.89719

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	0.00383	-0.03561	0.00163	0.09515
2	1.667	0.00295	-0.03054	0.00148	0.09609
3	3.236	0.00202	-0.02577	0.00134	0.09699
4	5.667	0.00022	-0.01834	0.00109	0.09842
5	6.312	-0.00039	-0.01635	0.00103	0.09881
6	6.958	-0.00114	-0.01439	0.00099	0.09912
7	10.959	-0.01375	-0.00392	0.00324	0.09545
8	14.166	-0.03563	0.00251	0.00888	0.08519
9	17.376	-0.05014	0.00928	0.01524	0.07496
10	21.376	-0.01452	0.02063	0.01921	0.07135
11	22.021	0.01077	0.02277	0.01702	0.07166
12	22.667	-0.05638	-0.62119	0.01428	0.07205
13	25.097	-0.21112	-3.04312	0.01015	0.07350
14	26.667	-0.28910	-4.60783	0.00870	0.07443
15	28.333	-0.36611	-6.26920	0.00747	0.07541

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	0.00290	-0.02873	0.00129	0.07499
2	1.667	0.00222	-0.02467	0.00116	0.07575
3	3.236	0.00152	-0.02085	0.00104	0.07647
4	5.667	0.00016	-0.01489	0.00083	0.07762
5	6.312	-0.00030	-0.01331	0.00077	0.07793
6	6.958	-0.00086	-0.01174	0.00074	0.07818
7	10.959	-0.01015	-0.00335	0.00246	0.07523
8	14.166	-0.02589	0.00180	0.00676	0.06699
9	17.376	-0.03564	0.00723	0.01141	0.05877
10	21.376	-0.01044	0.01635	0.01278	0.05586
11	22.021	0.00354	0.01806	0.01103	0.05611
12	22.667	0.02810	0.01982	0.00921	0.05642
13	25.097	-0.16040	-2.40380	0.00678	0.05759
14	26.667	-0.24695	-3.96955	0.00581	0.05834
15	28.333	-0.33077	-5.63201	0.00492	0.05914

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	0.00084	-0.01004	0.00038	0.02213
2	1.667	0.00063	-0.00867	0.00033	0.02237
3	3.236	0.00043	-0.00738	0.00029	0.02260
4	5.667	0.00004	-0.00536	0.00021	0.02297
5	6.312	-0.00009	-0.00482	0.00019	0.02306
6	6.958	-0.00024	-0.00429	0.00017	0.02314
7	10.959	-0.00275	-0.00145	0.00065	0.02221
8	14.166	-0.00674	0.00030	0.00185	0.01960
9	17.376	-0.00882	0.00216	0.00301	0.01699
10	21.376	-0.00255	0.00529	0.00271	0.01607
11	22.021	-0.00007	0.00587	0.00224	0.01615
12	22.667	0.00317	0.00645	0.00181	0.01625
13	25.097	0.04624	0.00876	0.00111	0.01662
14	26.667	-0.10484	-1.55993	0.00084	0.01686
15	28.333	-0.22529	-3.22537	0.00060	0.01711

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	0.00027	-0.00361	0.00010	0.00558
2	1.667	0.00020	-0.00313	0.00008	0.00564
3	3.236	0.00014	-0.00268	0.00007	0.00570
4	5.667	0.00001	-0.00197	0.00005	0.00579
5	6.312	-0.00003	-0.00178	0.00004	0.00582
6	6.958	-0.00008	-0.00159	0.00004	0.00584
7	10.959	-0.00086	-0.00059	0.00016	0.00560
8	14.166	-0.00207	0.00003	0.00046	0.00491
9	17.376	-0.00264	0.00069	0.00074	0.00423
10	21.376	-0.00077	0.00180	0.00062	0.00399
11	22.021	-0.00010	0.00200	0.00051	0.00401
12	22.667	0.00076	0.00221	0.00040	0.00404
13	25.097	0.00925	0.00300	0.00018	0.00413
14	26.667	0.03658	0.00359	0.00010	0.00420
15	28.333	-0.13897	-1.66303	0.00004	0.00426

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	1.667	0.00000	0.00000	0.00000	0.00000
3	3.236	0.00000	0.00000	0.00000	0.00000
4	5.667	0.00000	0.00000	0.00000	0.00000
5	6.312	0.00000	0.00000	0.00000	0.00000
6	6.958	0.00000	0.00000	0.00000	0.00000
7	10.959	0.00000	0.00000	0.00000	0.00000
8	14.166	0.00000	0.00000	0.00000	0.00000
9	17.376	0.00000	0.00000	0.00000	0.00000
10	21.376	0.00000	0.00000	0.00000	0.00000
11	22.021	0.00000	0.00000	0.00000	0.00000
12	22.667	0.00000	0.00000	0.00000	0.00000
13	25.097	0.00000	0.00000	0.00000	0.00000
14	26.667	0.00000	0.00000	0.00000	0.00000
15	28.333	0.00000	0.00000	0.00000	0.00000

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.01728	0.60205	-0.03446	-0.82173
2	1.667	0.01595	0.59118	-0.02800	-0.67591
3	3.236	0.01457	0.58098	-0.02150	-0.53867
4	5.667	0.01189	0.56528	-0.00965	-0.32606
5	6.312	0.01097	0.56114	-0.00580	-0.26958
6	6.958	0.00999	0.55469	-0.00195	-0.21329
7	10.959	0.00368	0.34115	0.01231	0.11363
8	14.166	-0.00275	-0.04776	0.01409	0.29924
9	17.376	-0.00813	-0.41504	0.01052	0.35208
10	21.376	-0.01051	-0.56430	0.00600	0.28667
11	22.021	-0.01051	-0.55864	0.00543	0.26907
12	22.667	-0.01047	-0.55057	0.00487	0.25097
13	25.097	-0.01028	-0.52032	0.00291	0.18294
14	26.667	-0.01012	-0.50085	0.00170	0.13901
15	28.333	-0.00995	-0.48020	0.00045	0.09239

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	0.01545	0.55697	-0.03034	-0.75897
2	1.667	0.01425	0.54568	-0.02401	-0.61733
3	3.236	0.01301	0.53507	-0.01766	-0.48402
4	5.667	0.01067	0.51874	-0.00614	-0.27751
5	6.312	0.00989	0.51443	-0.00245	-0.22263
6	6.958	0.00906	0.50801	0.00123	-0.16796
7	10.959	0.00341	0.30953	0.01453	0.14857
8	14.166	-0.00252	-0.04794	0.01566	0.32543
9	17.376	-0.00746	-0.38378	0.01160	0.36952
10	21.376	-0.00958	-0.51799	0.00657	0.29372
11	22.021	-0.00956	-0.51230	0.00590	0.27451
12	22.667	-0.00951	-0.50440	0.00525	0.25479
13	25.097	-0.00927	-0.47479	0.00298	0.18066
14	26.667	-0.00909	-0.45572	0.00159	0.13280
15	28.333	-0.00890	-0.43551	0.00016	0.08200

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	0.00179	0.05970	-0.00659	-0.19868
2	1.667	0.00132	0.04396	-0.00282	-0.10245
3	3.236	0.00088	0.02914	0.00089	-0.01188
4	5.667	0.00015	0.00618	0.00723	0.12847
5	6.312	-0.00005	0.00008	0.00910	0.16576
6	6.958	-0.00025	-0.00597	0.01096	0.20272
7	10.959	-0.00124	-0.03806	0.01918	0.39889
8	14.166	-0.00156	-0.04893	0.02158	0.46529
9	17.376	-0.00124	-0.03806	0.01918	0.39887
10	21.376	-0.00025	-0.00596	0.01096	0.20268
11	22.021	-0.00005	0.00008	0.00910	0.16578
12	22.667	0.00015	0.00618	0.00723	0.12848
13	25.097	0.00088	0.02913	0.00089	-0.01181
14	26.667	0.00132	0.04396	-0.00282	-0.10245
15	28.333	0.00179	0.05970	-0.00659	-0.19868

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Cline Avenue - Load Rating - Single Box 28'-4" Wide

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	-0.00890	-0.43559	0.00016	0.08201
2	1.667	-0.00909	-0.45580	0.00159	0.13281
3	3.236	-0.00927	-0.47485	0.00298	0.18063
4	5.667	-0.00951	-0.50447	0.00525	0.25477
5	6.312	-0.00956	-0.51236	0.00590	0.27448
6	6.958	-0.00958	-0.51805	0.00657	0.29372
7	10.959	-0.00746	-0.38377	0.01160	0.36948
8	14.166	-0.00252	-0.04799	0.01566	0.32539
9	17.376	0.00341	0.30965	0.01452	0.14847
10	21.376	0.00906	0.50811	0.00122	-0.16810
11	22.021	0.00989	0.51451	-0.00245	-0.22269
12	22.667	0.01068	0.51881	-0.00615	-0.27757
13	25.097	0.01302	0.53513	-0.01766	-0.48401
14	26.667	0.01425	0.54573	-0.02402	-0.61741
15	28.333	0.01546	0.55703	-0.03035	-0.75907

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Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.00995	-0.48022	0.00045	0.09239
2	1.667	-0.01012	-0.50086	0.00170	0.13901
3	3.236	-0.01028	-0.52031	0.00290	0.18290
4	5.667	-0.01047	-0.55056	0.00487	0.25095
5	6.312	-0.01051	-0.55863	0.00543	0.26905
6	6.958	-0.01051	-0.56429	0.00600	0.28667
7	10.959	-0.00812	-0.41497	0.01052	0.35206
8	14.166	-0.00275	-0.04781	0.01408	0.29924
9	17.376	0.00368	0.34122	0.01231	0.11357
10	21.376	0.00999	0.55472	-0.00195	-0.21336
11	22.021	0.01097	0.56114	-0.00580	-0.26956
12	22.667	0.01189	0.56528	-0.00965	-0.32605
13	25.097	0.01457	0.58097	-0.02150	-0.53858
14	26.667	0.01595	0.59117	-0.02800	-0.67591
15	28.333	0.01728	0.60203	-0.03447	-0.82173

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Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.27041	-5.95350	-0.10119	-0.99095
2	1.667	-0.21879	-4.80101	-0.10480	-0.93778
3	3.236	-0.16701	-3.71635	-0.11083	-0.88776
4	5.667	-0.06876	-2.03597	-0.12975	-0.81029
5	6.312	-0.02981	-1.58946	-0.13300	-0.78967
6	6.958	0.00952	-1.14688	-0.12943	-0.76887
7	10.959	0.11763	1.24046	-0.08186	-0.62724
8	14.166	0.11681	2.32131	-0.04708	-0.49741
9	17.376	0.07529	2.37265	-0.02006	-0.36754
10	21.376	0.03440	1.71829	-0.00533	-0.22611
11	22.021	0.02996	1.58796	-0.00419	-0.20534
12	22.667	0.02577	1.45614	-0.00319	-0.18471
13	25.097	0.01106	0.96068	0.00014	-0.10714
14	26.667	0.00210	0.64079	0.00206	-0.05705
15	28.333	-0.00716	0.30125	0.00401	-0.00387

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Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.22883	-5.33137	-0.09078	-0.90318
2	1.667	-0.18376	-4.28906	-0.09367	-0.85515
3	3.236	-0.13842	-3.30808	-0.09828	-0.80996
4	5.667	-0.05443	-1.78832	-0.11138	-0.73997
5	6.312	-0.02608	-1.38449	-0.11335	-0.72135
6	6.958	0.00228	-0.98445	-0.11067	-0.70252
7	10.959	0.09714	1.15611	-0.07272	-0.57190
8	14.166	0.09913	2.09682	-0.04209	-0.44915
9	17.376	0.06489	2.10762	-0.01804	-0.32637
10	21.376	0.02977	1.50080	-0.00481	-0.19590
11	22.021	0.02589	1.38337	-0.00377	-0.17710
12	22.667	0.02222	1.26483	-0.00285	-0.15847
13	25.097	0.00927	0.81929	0.00019	-0.08841
14	26.667	0.00135	0.53163	0.00195	-0.04316
15	28.333	-0.00684	0.22631	0.00373	0.00488

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Cline Avenue - Load Rating - Single Box 28'-4" 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	-0.09655	-2.60443	-0.04348	-0.50420
2	1.667	-0.07559	-2.04584	-0.04402	-0.47878
3	3.236	-0.05495	-1.52010	-0.04484	-0.45486
4	5.667	-0.01957	-0.70555	-0.04603	-0.41780
5	6.312	-0.00898	-0.48911	-0.04577	-0.40795
6	6.958	0.00151	-0.27578	-0.04488	-0.39784
7	10.959	0.04185	0.78291	-0.03233	-0.31526
8	14.166	0.04355	1.11163	-0.01920	-0.22314
9	17.376	0.02779	0.94757	-0.00848	-0.13100
10	21.376	0.01079	0.55050	-0.00207	-0.04843
11	22.021	0.00891	0.48965	-0.00149	-0.03833
12	22.667	0.00713	0.42931	-0.00096	-0.02848
13	25.097	0.00078	0.20249	0.00081	0.00858
14	26.667	-0.00314	0.05603	0.00184	0.03252
15	28.333	-0.00721	-0.09943	0.00287	0.05794

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.00786	0.32565	-0.00455	-0.10413
2	1.667	0.00837	0.36386	-0.00442	-0.10247
3	3.236	0.00880	0.39985	-0.00429	-0.10090
4	5.667	0.00920	0.45570	-0.00396	-0.09849
5	6.312	0.00919	0.47057	-0.00380	-0.09785
6	6.958	0.00913	0.48307	-0.00362	-0.09691
7	10.959	0.00667	0.37919	-0.00232	-0.06805
8	14.166	0.00102	0.05217	-0.00097	-0.01500
9	17.376	-0.00511	-0.29757	0.00024	0.03808
10	21.376	-0.00866	-0.46817	0.00110	0.06693
11	22.021	-0.00881	-0.46824	0.00119	0.06787
12	22.667	-0.00893	-0.46607	0.00128	0.06851
13	25.097	-0.00928	-0.45798	0.00155	0.07093
14	26.667	-0.00947	-0.45281	0.00171	0.07249
15	28.333	-0.00965	-0.44734	0.00186	0.07416

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.01728	0.60205	-0.00212	-0.07068
2	1.667	0.01595	0.59118	-0.00204	-0.07119
3	3.236	0.01457	0.58098	-0.00195	-0.07167
4	5.667	0.01189	0.56528	-0.00175	-0.07243
5	6.312	0.01097	0.56114	-0.00166	-0.07263
6	6.958	0.00999	0.55469	-0.00156	-0.07253
7	10.959	0.00368	0.34115	-0.00085	-0.04899
8	14.166	-0.00275	-0.04776	0.00002	-0.00030
9	17.376	-0.00813	-0.41504	0.00085	0.04840
10	21.376	-0.01051	-0.56430	0.00140	0.07194
11	22.021	-0.01051	-0.55864	0.00144	0.07204
12	22.667	-0.01047	-0.55057	0.00148	0.07183
13	25.097	-0.01028	-0.52032	0.00160	0.07107
14	26.667	-0.01012	-0.50085	0.00166	0.07059
15	28.333	-0.00995	-0.48020	0.00173	0.07008

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.00716	-0.30123	0.00401	-0.00387
2	1.667	-0.00210	-0.64072	0.00206	-0.05705
3	3.236	-0.01106	-0.96038	0.00014	-0.10711
4	5.667	-0.02577	-1.45600	-0.00319	-0.18471
5	6.312	-0.02996	-1.58780	-0.00419	-0.20534
6	6.958	-0.03441	-1.71832	-0.00533	-0.22614
7	10.959	-0.07529	-2.37256	-0.02007	-0.36758
8	14.166	-0.11680	-2.32126	-0.04707	-0.49740
9	17.376	-0.11762	-1.24010	-0.08186	-0.62728
10	21.376	-0.00947	1.14743	-0.12944	-0.76890
11	22.021	0.02981	1.58935	-0.13300	-0.78967
12	22.667	0.06876	2.03588	-0.12975	-0.81029
13	25.097	0.16698	3.71562	-0.11083	-0.88772
14	26.667	0.21881	4.80102	-0.10480	-0.93778
15	28.333	0.27043	5.95355	-0.10119	-0.99094

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.00685	-0.22628	0.00373	0.00488
2	1.667	-0.00135	-0.53157	0.00195	-0.04316
3	3.236	-0.00926	-0.81902	0.00019	-0.08837
4	5.667	-0.02222	-1.26470	-0.00285	-0.15847
5	6.312	-0.02589	-1.38323	-0.00377	-0.17710
6	6.958	-0.02977	-1.50082	-0.00481	-0.19592
7	10.959	-0.06490	-2.10755	-0.01804	-0.32641
8	14.166	-0.09913	-2.09676	-0.04209	-0.44914
9	17.376	-0.09713	-1.15579	-0.07273	-0.57193
10	21.376	-0.00225	0.98494	-0.11068	-0.70255
11	22.021	0.02607	1.38439	-0.11335	-0.72135
12	22.667	0.05443	1.78823	-0.11138	-0.73996
13	25.097	0.13840	3.30743	-0.09829	-0.80993
14	26.667	0.18378	4.28907	-0.09367	-0.85515
15	28.333	0.22885	5.33142	-0.09078	-0.90318

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.00721	0.09945	0.00287	0.05794
2	1.667	0.00314	-0.05600	0.00184	0.03252
3	3.236	-0.00077	-0.20235	0.00081	0.00860
4	5.667	-0.00713	-0.42924	-0.00096	-0.02848
5	6.312	-0.00891	-0.48958	-0.00149	-0.03833
6	6.958	-0.01079	-0.55052	-0.00207	-0.04844
7	10.959	-0.02779	-0.94756	-0.00848	-0.13102
8	14.166	-0.04355	-1.11157	-0.01920	-0.22314
9	17.376	-0.04184	-0.78276	-0.03233	-0.31528
10	21.376	-0.00150	0.27604	-0.04488	-0.39786
11	22.021	0.00898	0.48905	-0.04577	-0.40795
12	22.667	0.01957	0.70551	-0.04603	-0.41780
13	25.097	0.05494	1.51975	-0.04484	-0.45485
14	26.667	0.07559	2.04585	-0.04402	-0.47878
15	28.333	0.09655	2.60446	-0.04348	-0.50419

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.00965	0.44736	0.00186	0.07416
2	1.667	0.00947	0.45282	0.00171	0.07250
3	3.236	0.00928	0.45798	0.00155	0.07093
4	5.667	0.00893	0.46607	0.00128	0.06851
5	6.312	0.00881	0.46824	0.00119	0.06787
6	6.958	0.00866	0.46816	0.00110	0.06693
7	10.959	0.00511	0.29751	0.00024	0.03807
8	14.166	-0.00102	-0.05212	-0.00097	-0.01499
9	17.376	-0.00667	-0.37925	-0.00232	-0.06806
10	21.376	-0.00913	-0.48307	-0.00362	-0.09691
11	22.021	-0.00919	-0.47058	-0.00380	-0.09785
12	22.667	-0.00920	-0.45571	-0.00396	-0.09849
13	25.097	-0.00880	-0.39986	-0.00429	-0.10090
14	26.667	-0.00837	-0.36384	-0.00442	-0.10247
15	28.333	-0.00786	-0.32563	-0.00455	-0.10413

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Cline Avenue - Load Rating - Single Box 28'-4" 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	0.00995	0.48022	0.00173	0.07009
2	1.667	0.01012	0.50086	0.00166	0.07059
3	3.236	0.01028	0.52031	0.00160	0.07107
4	5.667	0.01047	0.55056	0.00148	0.07183
5	6.312	0.01051	0.55863	0.00144	0.07203
6	6.958	0.01051	0.56429	0.00140	0.07194
7	10.959	0.00812	0.41497	0.00085	0.04839
8	14.166	0.00275	0.04781	0.00002	-0.00030
9	17.376	-0.00368	-0.34122	-0.00085	-0.04900
10	21.376	-0.00999	-0.55472	-0.00156	-0.07254
11	22.021	-0.01097	-0.56114	-0.00166	-0.07263
12	22.667	-0.01189	-0.56528	-0.00175	-0.07243
13	25.097	-0.01457	-0.58097	-0.00195	-0.07167
14	26.667	-0.01595	-0.59117	-0.00204	-0.07119
15	28.333	-0.01728	-0.60203	-0.00212	-0.07068

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 PROGRAM  : BRUG(5.75.44 DATE  : 11/09/2009 START : 13:27:47
 PROJECT  : VEH: HL93- T DATE  : 11/09/2009 END   : 13:27:47
                                   TOTAL (msec) :        281
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