```
        -------------------------- PROGRAM BRUG(5.75.44)
        --------------------------
        - INPUTFILE  : 1_IV_A_S2_EL.txt     -  OUTPUTFILE : 1_IV_A_S2_EL.OUT
        -
        - DATE       :    11/09/200         -  TIME       :     13:26:35
        -

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


                          ********** 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: S2 - SPECIAL TRUCK - 13 AXLE - Single Vehicle
   5 |* code 1001
   6 |Cline Avenue - Load Rating - Double Box  AND SINGLE BOX  - 87.34' 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      183.0        87.34       1.0       1.0       1.3
  13 |* code 1004
  14 |    1    0    2
  15 |* code 1005
  16 |  267    1
  17 |* code 1005a
  18 |* location traffic lanes
  19 |7.667
  20 |* maximum and minimum truck
  21 |6.667      80.673   10.000
  22 |* code 1007, linear loads
  23 |0.7350    0.441
  24 |86.605    0.441
  25 |* code 1201
  26 |   12    8    6    3    5
  27 |* code 1202 coordinates
  28 |0.0000    0.0
  29 |10.7917   0.0
  30 |10.7917   -7.938
  31 |27.7083   0.0
  32 |27.7083   -7.938
  33 |44.6250   0.0
  34 |44.6250   -7.938
  35 |65.2569   0.0
  36 |65.2569   -7.938
  37 |81.0903   0.0
  38 |81.0903   -7.938
  39 |87.3403   0.0
  40 |* code 1203 - profile 1
  41 |    5    3    4
  42 |0.0000    0.7500
  43 |5.2083    0.7500
```



```
  44 |7.7083    1.2083
  45 |10.2083   1.6667
          ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
          ^    ^
          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 |10.7917   1.6667
 47 |* code 1203 - profile 2
 48 |    7    2    3    4
 49 |0.0000    1.6667
 50 |0.5833    1.6667
 51 |5.5833    0.7500
 52 |8.4583    0.7500
 53 |11.3333   0.7500
 54 |16.3333   1.6667
 55 |16.9167   1.6667
 56 |* code 1203 - profile 3
 57 |    7    2    3    4
 58 |0.0000    1.6667
 59 |0.5833    1.6667
 60 |5.5833    0.7500
 61 |10.3160   0.7500
 62 |15.0486   0.7500
 63 |20.0486   1.6667
 64 |20.6319   1.6667
 65 |* code 1203 - profile 4
 66 |    7    2    3    4
 67 |0.0000    1.6667
 68 |0.5833    1.6667
 69 |5.5833    0.7500
 70 |7.9167    0.7500
 71 |10.2500   0.7500
 72 |15.2500   1.6667
 73 |15.8333   1.6667
 74 |* code 1203 - profile 5
 75 |    4    2    3
 76 |0.0000    1.6667
 77 |0.5833    1.6667
 78 |3.4167    1.2083
 79 |6.2500    0.7500
 80 |* code 1203 - profile 6
 81 |    7    2    3    4
 82 |0.0000    1.4583
 83 |0.5833    1.4583
 84 |1.5833    0.4583
 85 |8.4583    0.4583
 86 |15.3333   0.4583
 87 |16.3333   1.4583
 88 |16.9167   1.4583
 89 |* code 1203 - profile 7
 90 |    7    2    3    4
 91 |0.0000    1.4583
 92 |0.5833    1.4583
 93 |1.5833    0.4583
 94 |7.9167    0.4583
 95 |14.2500   0.4583
          ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
          ^    ^
          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 |15.2500   1.4583
 97 |15.8333   1.4583
 98 |* code 1203 - profile 8
 99 |    5    2    3
100 |0.0000    1.1667
101 |0.8334    1.1667
102 |3.7709    1.1667
103 |6.7084    1.1667
104 |7.9375    1.1667
105 |* code 1204 - assembling boxgirder
106 |    1    2    1
107 |    2    4    2
108 |    4    6    2
109 |    6    8    3
110 |    8   10    4
111 |   10   12    5
112 |    3    5    6
113 |    5    7    6
114 |    9   11    7
115 |    2    3    8
116 |    4    5    8
117 |    6    7    8
118 |    8    9    8
119 |   10   11    8
120 |* code 1205 control code
121 |    1    2   13    1    1    0    4   13     1.0       1.0
122 |* code 1206 wheels/axle
123 |       0.0
124 |       1.5
125 |       6.0
126 |       7.5 0.833
127 |* code 1207 definition axles
128 |0.00      15.00
129 |16.50     21.00
130 |21.00     21.00
131 |25.50     21.00
132 |39.50     21.00
133 |44.00     21.00
134 |48.50     21.00
135 |96.50     21.00
136 |101.00    21.00
137 |105.50    21.00
138 |121.00    21.00
139 |125.50    21.00
140 |130.00    21.00
141 |* code 1208 - accuracy
142 |0.00001   0.00001   0.00001   .00001    .00001
143 |* code 1209 number sections
144 |   50
145 |   1A   1B   1R   2L   2A   2B   2C   2R   3L   3A   3B   3C   3R
          ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
          ^    ^
          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
  146 |   4L   4A   4B   4C   4R   5L   5A   5B   5C   5R   6L   6A   6B
  147 |   7A   7B   7C   8A   8B   8C   9A   9B   9C  10L  10A  10B  11L  11A
  148 |  11B  12L  12A  12B  13L  13A  13B  14L  14A  14B
  149 |* code 1210 - density conrete
  150 |0.156
  151 |* code 1211 - extra forces selfweight
  152 |
  153 |* code 1212 - surcharge
  154 |2.1835
  155 |* code 1213 - Prestressing Layout - NONE
  156 |•
          ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^    ^
          ^    ^
          5   10   15   20   25   30   35   40   45   50   55   60   65   70
          75   80
```



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 1
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Length 250.000
Equivalent length 183.000

Data cross-section boxgidruker

Number of nodes 12
Number of profiles 8
Number of topslabs 6
Number of bottomslabs 3
Number of webs 5

Node coordinates

| Number | z | y |
|---|---|---|
| 1 | 0.000 | 0.000 |
| 2 | 10.792 | 0.000 |
| 3 | 10.792 | -7.938 |
| 4 | 27.708 | 0.000 |
| 5 | 27.708 | -7.938 |
| 6 | 44.625 | 0.000 |
| 7 | 44.625 | -7.938 |
| 8 | 65.257 | 0.000 |
| 9 | 65.257 | -7.938 |
| 10 | 81.090 | 0.000 |
| 11 | 81.090 | -7.938 |
| 12 | 87.340 | 0.000 |

Slab data

| number | type | start node | end node | thickness | profile number | length |
|---|---|---|---|---|---|---|
| 1 | top | 1 | 2 | - | 1 | 10.792 |
| 2 | top | 2 | 4 | - | 2 | 16.917 |
| 3 | top | 4 | 6 | - | 2 | 16.917 |
| 4 | top | 6 | 8 | - | 3 | 20.632 |
| 5 | top | 8 | 10 | - | 4 | 15.833 |
| 6 | top | 10 | 12 | - | 5 | 6.250 |
| 7 | bottom | 3 | 5 | - | 6 | 16.917 |
| 8 | bottom | 5 | 7 | - | 6 | 16.917 |
| 9 | bottom | 9 | 11 | - | 7 | 15.833 |
| 10 | web | 2 | 3 | - | 8 | 7.938 |
| 11 | web | 4 | 5 | - | 8 | 7.938 |
| 12 | web | 6 | 7 | - | 8 | 7.938 |
| 13 | web | 8 | 9 | - | 8 | 7.938 |
| 14 | web | 10 | 11 | - | 8 | 7.938 |

Data of profiles

Profile 1

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

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 2
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Data cross-section boxgidruker (continued)

Data of profiles (continued)

Profile 2

| section | z | thickness |
|---|---|---|
| 1 (l) | 0.000 | 1.667 |
| 2 (a) | 0.583 | 1.667 |
| 3 (b) | 5.583 | 0.750 |
| 4 (c) | 8.458 | 0.750 |
| 5 | 11.333 | 0.750 |
| 6 | 16.333 | 1.667 |
| 7 (r) | 16.917 | 1.667 |

Profile 3

| section | z | thickness |
|---|---|---|
| 1 (l) | 0.000 | 1.667 |
| 2 (a) | 0.583 | 1.667 |
| 3 (b) | 5.583 | 0.750 |
| 4 (c) | 10.316 | 0.750 |
| 5 | 15.049 | 0.750 |
| 6 | 20.049 | 1.667 |
| 7 (r) | 20.632 | 1.667 |

Profile 4

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

Profile 5

| section | z | thickness |
|---|---|---|
| 1 (l) | 0.000 | 1.667 |
| 2 (a) | 0.583 | 1.667 |
| 3 (b) | 3.417 | 1.208 |
| 4 (r) | 6.250 | 0.750 |

Profile 6

| section | z | thickness |
|---|---|---|
| 1 (l) | 0.000 | 1.458 |
| 2 (a) | 0.583 | 1.458 |
| 3 (b) | 1.583 | 0.458 |
| 4 (c) | 8.458 | 0.458 |
| 5 | 15.333 | 0.458 |
| 6 | 16.333 | 1.458 |
| 7 (r) | 16.917 | 1.458 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 3
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Data cross-section boxgidruker (continued)

Data of profiles (continued)

Profile 7

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

Profile 8

| section | z | thickness |
|---|---|---|
| 1 (l) | 0.000 | 1.167 |
| 2 (a) | 0.833 | 1.167 |
| 3 (b) | 3.771 | 1.167 |
| 4 | 6.708 | 1.167 |
| 5 (r) | 7.938 | 1.167 |

1 2 13 1 1 0 4 13 1.0 1.0

```
 VEH: S2 - SPECIAL TR               BRUG(5.75.44)          page   4
                                     date 11/09/2009; time 13:26:35
 Cline Avenue - Load Rating - Double Box  AND SINGLE BOX  - 8

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



```
 VEH: S2 - SPECIAL TR               BRUG(5.75.44)          page   5
                                     date 11/09/2009; time 13:26:35
 Cline Avenue - Load Rating - Double Box  AND SINGLE BOX  - 8

 Length             250.000
 Equivalent length  183.000

 Loadings

 General loadings

      Density concrete      0.156
      Dead load (topping)   2.183

 Dead load (linear)

 Distance linear loads to edge superstructure and magnitude
      Linear load      z         p
           1         0.735     0.441
           2        86.605     0.441

 Live load
      Loading class              267
      Max. numbers of vehicles     1
      Vehicle code                13
      Number of
             - axles              13
             - wheels / axle       4
             - trafficlanes        1
             - u.d.l. lanes        0
             - linear loads        2

 Vehicle axles

      Axle Axle-dist Axle-load
         1     0.000    15.000
         2    16.500    21.000
         3    21.000    21.000
         4    25.500    21.000
         5    39.500    21.000
         6    44.000    21.000
         7    48.500    21.000
         8    96.500    21.000
         9   101.000    21.000
        10   105.500    21.000
        11   121.000    21.000
        12   125.500    21.000
        13   130.000    21.000

 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    80.673
```

Reduction coefficient

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



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 6
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Loadings (continued)

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 7
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 50

| Section : | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1A | 1B | 1R | 2L | 2A | 2B | 2C | 2R | 3L |
| | 3A | 3B | 3C | 3R | 4L | 4A | 4B | 4C | 4R |
| | 5L | 5A | 5B | 5C | 5R | 6L | 6A | 6B | 7A |
| | 7B | 7C | 8A | 8B | 8C | 9A | 9B | 9C | 10L |
| | 10A | 10B | 11L | 11A | 11B | 12L | 12A | 12B | 13L |
| | 13A | 13B | 14L | 14A | 14B | | | | |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 8
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Length 250.000 Equivalent length 183.000

Transverse influence lines

Load on web

| Node | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| 1 | 1.28 | 1.79 | 1.00 | 0.46 | 0.47 |
| 2 | 1.23 | 1.79 | 0.99 | 0.49 | 0.50 |
| | 1.14 | 1.81 | 1.01 | 0.51 | 0.53 |
| 4 | 1.03 | 1.82 | 1.06 | 0.53 | 0.56 |
| | 0.94 | 1.75 | 1.13 | 0.58 | 0.60 |
| 6 | 0.86 | 1.61 | 1.13 | 0.69 | 0.71 |
| | 0.75 | 1.29 | 0.88 | 1.05 | 1.02 |
| 8 | 0.63 | 0.99 | 0.63 | 1.42 | 1.33 |
| | 0.59 | 0.91 | 0.56 | 1.49 | 1.45 |
| 10 | 0.56 | 0.88 | 0.54 | 1.49 | 1.53 |
| 12 | 0.55 | 0.85 | 0.53 | 1.52 | 1.55 |

Transverse loading distributions factors

| web | Traffic lane 1 |
|---|---|
| 1 | 1.247 |
| 2 | 1.789 |
| 3 | 0.993 |
| 4 | 0.480 |
| 5 | 0.491 |

| web | Lineair load 1 | 2 |
|---|---|---|
| 1 | 1.275 | 0.548 |
| 2 | 1.787 | 0.854 |
| 3 | 1.003 | 0.531 |
| 4 | 0.465 | 1.518 |
| 5 | 0.469 | 1.550 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 9
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Selfweight 51 harmonic

| Slab | section | moment | axialforce |
|---|---|---|---|
| 1 | A | -3.30 | 0.84 |
| 1 | B | -6.45 | 1.58 |
| 1 | RIGHT | -7.40 | 1.80 |
| 2 | LEFT | -3.80 | 2.09 |
| 2 | A | -3.08 | 1.95 |
| 2 | B | 0.39 | 1.37 |
| 2 | C | 0.55 | 1.46 |
| 2 | RIGHT | -5.66 | 3.31 |
| 3 | LEFT | -6.40 | 3.18 |
| 3 | A | -5.51 | 2.96 |
| 3 | B | -0.64 | 1.74 |
| 3 | C | 0.34 | 1.46 |
| 3 | RIGHT | -3.52 | 2.21 |
| 4 | LEFT | -10.89 | 1.40 |
| 4 | A | -9.68 | 1.16 |
| 4 | B | -2.09 | -0.27 |
| 4 | C | 1.64 | -0.82 |
| 4 | RIGHT | -0.43 | 0.33 |
| 5 | LEFT | -2.95 | -0.19 |
| 5 | A | -2.26 | -0.34 |
| 5 | B | 0.99 | -0.98 |
| 5 | C | 1.11 | -0.96 |
| 5 | RIGHT | -4.30 | 0.44 |
| 6 | LEFT | -3.27 | 0.77 |
| 6 | A | -2.60 | 0.62 |
| 6 | B | -0.50 | 0.14 |
| 7 | A | -0.95 | -0.03 |
| 7 | B | -0.44 | 0.32 |
| 7 | C | 0.90 | 1.68 |
| 8 | A | -2.07 | 1.23 |
| 8 | B | -1.41 | 1.41 |
| 8 | C | 0.92 | 1.50 |
| 9 | A | -1.25 | 0.72 |
| 9 | B | -0.71 | 0.99 |
| 9 | C | 0.76 | 1.67 |
| 10 | TOP | -3.60 | -2.99 |
| 10 | A | -3.36 | -2.58 |
| 10 | B | -2.52 | -1.04 |
| 11 | TOP | 0.73 | -3.12 |
| 11 | A | 0.62 | -2.59 |
| 11 | B | 0.22 | -0.65 |
| 12 | TOP | 7.36 | -3.39 |
| 12 | A | 6.68 | -2.94 |
| 12 | B | 4.31 | -1.27 |
| 13 | TOP | 2.52 | -2.38 |
| 13 | A | 2.08 | -2.03 |
| 13 | B | 0.53 | -0.69 |
| 14 | TOP | -1.03 | -2.64 |
| 14 | A | -0.76 | -2.25 |
| 14 | B | 0.19 | -0.83 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 10
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0733 | -7.6843 | 0.0003 | 0.0368 |
| | 19.250 | -0.0009 | 0.0058 | 0.0006 | 0.0381 |
| | 36.167 | 0.0000 | -0.0031 | 0.0002 | 0.0426 |
| | 54.941 | 0.0000 | -0.0044 | 0.0002 | 0.0298 |
| | 73.174 | 0.0000 | -0.0037 | 0.0001 | 0.0187 |
| 12 | 87.340 | 0.0000 | -0.0035 | 0.0001 | 0.0173 |
| Area | | -0.2931 | -29.6053 | 0.0232 | 2.7743 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -3.303 | -3.303 | 0.839 | 0.839 |
| Topping | -0.740 | -0.740 | 0.069 | 0.069 |
| Linear loads | -3.066 | -3.066 | 0.024 | 0.024 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 0.456 | -6.738 | 0.205 | 0.155 |
| Total | -6.653 | -13.848 | 1.137 | 1.087 |

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

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

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 11
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0912 | -10.1454 | 0.0009 | 0.0692 |
| | 19.250 | -0.0034 | 0.0153 | 0.0012 | 0.0717 |
| | 36.167 | 0.0002 | -0.0082 | 0.0004 | 0.0798 |
| | 54.941 | -0.0001 | -0.0118 | 0.0003 | 0.0561 |
| | 73.174 | -0.0001 | -0.0098 | 0.0002 | 0.0357 |
| 12 | 87.340 | -0.0001 | -0.0093 | 0.0002 | 0.0331 |
| Area | | -0.5323 | -51.8426 | 0.0515 | 5.2290 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -6.452 | -6.452 | 1.582 | 1.582 |
| Topping | -1.296 | -1.296 | 0.131 | 0.131 |
| Linear loads | -4.155 | -4.155 | 0.045 | 0.045 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | -0.019 | -11.588 | 0.066 | 0.438 |
| Total | -11.922 | -23.491 | 1.823 | 2.195 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
76.92 78.42 82.92 84.42

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



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 12
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0954 | -10.7146 | 0.0011 | 0.0789 |
| | 19.250 | -0.0046 | 0.0188 | 0.0014 | 0.0817 |
| | 36.167 | 0.0002 | -0.0101 | 0.0005 | 0.0909 |
| | 54.941 | -0.0001 | -0.0145 | 0.0004 | 0.0640 |
| | 73.174 | -0.0001 | -0.0120 | 0.0002 | 0.0409 |
| 12 | 87.340 | -0.0001 | -0.0114 | 0.0002 | 0.0379 |
| Area | | -0.6092 | -57.9100 | 0.0623 | 5.9619 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -7.398 | -7.398 | 1.803 | 1.803 |
| Topping | -1.448 | -1.448 | 0.149 | 0.149 |
| Linear loads | -4.407 | -4.407 | 0.051 | 0.051 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | -0.023 | -13.701 | 0.076 | 0.570 |
| Total | -13.276 | -26.954 | 2.079 | 2.574 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
76.92 78.42 82.92 84.42

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

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 13
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0121 | 0.2347 | 0.0125 | 1.5739 |
| | 19.250 | -0.0211 | -1.6232 | -0.0006 | -0.1047 |
| | 36.167 | -0.0063 | -1.1812 | -0.0006 | -0.1034 |
| | 54.941 | -0.0017 | -0.2590 | 0.0001 | 0.0240 |
| | 73.174 | -0.0007 | -0.1248 | 0.0001 | 0.0233 |
| 12 | 87.340 | -0.0007 | -0.1087 | 0.0001 | 0.0227 |
| Area | | -0.3503 | -23.2854 | 0.0984 | 10.7211 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -3.803 | -3.803 | 2.088 | 2.088 |
| Topping | -0.582 | -0.582 | 0.268 | 0.268 |
| Linear loads | 0.140 | 0.140 | 0.673 | 0.673 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 2.463 | -5.853 | 2.315 | -0.214 |
| Total | -1.781 | -10.097 | 5.344 | 2.815 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
4.79 6.29 10.79 12.29

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.75 19.25 23.75 25.25



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 14
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0095 | 0.1725 | 0.0120 | 1.5293 |
| | 19.250 | -0.0188 | -1.3835 | -0.0008 | -0.1214 |
| | 36.167 | -0.0060 | -1.1147 | -0.0006 | -0.1036 |
| | 54.941 | -0.0016 | -0.2490 | 0.0001 | 0.0296 |
| | 73.174 | -0.0007 | -0.1209 | 0.0001 | 0.0272 |
| 12 | 87.340 | -0.0006 | -0.1056 | 0.0001 | 0.0264 |
| Area | | -0.2735 | -19.1179 | 0.0885 | 10.2006 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -3.076 | -3.076 | 1.946 | 1.946 |
| Topping | -0.478 | -0.478 | 0.255 | 0.255 |
| Linear loads | 0.110 | 0.110 | 0.655 | 0.655 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 3.406 | -5.210 | 1.956 | -0.270 |
| Total | -0.037 | -8.654 | 4.813 | 2.587 |

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

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
17.75 19.25 23.75 25.25

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 15
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0054 | -0.4225 | 0.0083 | 1.1745 |
| | 19.250 | 0.0018 | 0.6579 | -0.0019 | -0.2361 |
| | 36.167 | -0.0030 | -0.5342 | -0.0003 | -0.0749 |
| | 54.941 | -0.0009 | -0.1459 | 0.0006 | 0.1007 |
| | 73.174 | -0.0004 | -0.0730 | 0.0004 | 0.0768 |
| 12 | 87.340 | -0.0004 | -0.0654 | 0.0004 | 0.0735 |
| Area | | 0.0240 | 2.6543 | 0.0508 | 7.8475 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 0.385 | 0.385 | 1.368 | 1.368 |
| Topping | 0.066 | 0.066 | 0.196 | 0.196 |
| Linear loads | -0.170 | -0.170 | 0.523 | 0.523 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 4.483 | -0.998 | 0.297 | -0.130 |
| Total | 4.764 | -0.717 | 2.385 | 1.958 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
8.88 10.38 14.88 16.38

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
31.54 33.04 37.54 39.04



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 16
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0057 | -0.7870 | 0.0068 | 0.9893 |
| | 19.250 | 0.0225 | 1.8281 | -0.0022 | -0.2833 |
| | 36.167 | -0.0015 | -0.1951 | 0.0000 | -0.0387 |
| | 54.941 | -0.0005 | -0.0817 | 0.0009 | 0.1569 |
| | 73.174 | -0.0002 | -0.0414 | 0.0006 | 0.1167 |
| 12 | 87.340 | -0.0002 | -0.0384 | 0.0006 | 0.1113 |
| Area | | 0.0655 | 3.8556 | 0.0480 | 7.9104 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 0.550 | 0.550 | 1.463 | 1.463 |
| Topping | 0.096 | 0.096 | 0.198 | 0.198 |
| Linear loads | -0.339 | -0.339 | 0.461 | 0.461 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 3.917 | -0.697 | -0.597 | 1.098 |
| Total | 4.224 | -0.389 | 1.525 | 3.219 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.75 19.25 23.75 25.25

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

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 17
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0081 | -1.8100 | 0.0032 | 0.5154 |
| | 19.250 | -0.0310 | -3.1655 | -0.0020 | -0.3566 |
| | 36.167 | -0.0004 | 0.7977 | 0.0021 | 0.1339 |
| | 54.941 | 0.0010 | 0.0897 | 0.0022 | 0.3806 |
| | 73.174 | 0.0002 | 0.0396 | 0.0016 | 0.2814 |
| 12 | 87.340 | 0.0002 | 0.0296 | 0.0015 | 0.2674 |
| Area | | -0.4067 | -40.3599 | 0.1017 | 13.3051 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -5.664 | -5.664 | 3.314 | 3.314 |
| Topping | -1.009 | -1.009 | 0.333 | 0.333 |
| Linear loads | -0.820 | -0.820 | 0.327 | 0.327 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 1.672 | -9.123 | 0.733 | -0.608 |
| Total | -5.821 | -16.616 | 4.707 | 3.366 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
27.71 29.21 33.71 35.21

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
13.25 14.75 19.25 20.75



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 18
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.0026 | 0.2391 | 0.0054 | 0.9056 |
| | 19.250 | 0.0021 | 1.2276 | 0.0029 | 0.3022 |
| | 36.167 | -0.0282 | -2.7020 | -0.0019 | -0.3550 |
| | 54.941 | -0.0069 | -1.3139 | 0.0008 | 0.1367 |
| | 73.174 | -0.0043 | -0.7236 | 0.0007 | 0.1329 |
| 12 | 87.340 | -0.0040 | -0.6724 | 0.0007 | 0.1304 |
| Area | | -0.4275 | -43.3863 | 0.0973 | 12.8377 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -6.398 | -6.398 | 3.180 | 3.180 |
| Topping | -1.085 | -1.085 | 0.321 | 0.321 |
| Linear loads | -0.172 | -0.172 | 0.446 | 0.446 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 2.556 | -8.149 | 0.918 | -0.606 |
| Total | -5.099 | -15.804 | 4.864 | 3.340 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
20.21 21.71 26.21 27.71

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
34.67 36.17 40.67 42.17

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 19
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.0024 | 0.2349 | 0.0051 | 0.8648 |
| | 19.250 | 0.0029 | 1.1437 | 0.0026 | 0.2729 |
| | 36.167 | -0.0254 | -2.3780 | -0.0021 | -0.3671 |
| | 54.941 | -0.0066 | -1.2469 | 0.0008 | 0.1458 |
| | 73.174 | -0.0042 | -0.7031 | 0.0007 | 0.1428 |
| 12 | 87.340 | -0.0038 | -0.6537 | 0.0008 | 0.1398 |
| Area | | -0.3521 | -37.8066 | 0.0879 | 12.1151 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -5.508 | -5.508 | 2.962 | 2.962 |
| Topping | -0.945 | -0.945 | 0.303 | 0.303 |
| Linear loads | -0.167 | -0.167 | 0.432 | 0.432 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 2.984 | -7.325 | 0.734 | -0.650 |
| Total | -3.637 | -13.946 | 4.431 | 3.047 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
20.79 22.29 26.79 28.29

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
34.67 36.17 40.67 42.17



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 20
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.0011 | 0.1327 | 0.0032 | 0.5431 |
| | 19.250 | 0.0014 | 0.4015 | 0.0006 | 0.0477 |
| | 36.167 | 0.0000 | 0.4118 | -0.0029 | -0.4466 |
| | 54.941 | -0.0036 | -0.6479 | 0.0016 | 0.2477 |
| | 73.174 | -0.0030 | -0.5102 | 0.0013 | 0.2491 |
| 12 | 87.340 | -0.0028 | -0.4779 | 0.0014 | 0.2416 |
| Area | | -0.0066 | -3.8932 | 0.0465 | 8.0380 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -0.641 | -0.641 | 1.736 | 1.736 |
| Topping | -0.097 | -0.097 | 0.201 | 0.201 |
| Linear loads | -0.148 | -0.148 | 0.337 | 0.337 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 4.228 | -1.437 | -0.431 | -0.562 |
| Total | 3.341 | -2.324 | 1.842 | 1.712 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
25.79 27.29 31.79 33.29

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
39.04 40.54 45.04 46.54

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 21
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.0004 | 0.0572 | 0.0022 | 0.3767 |
| | 19.250 | -0.0005 | -0.0344 | -0.0003 | -0.0650 |
| | 36.167 | 0.0236 | 2.0190 | -0.0031 | -0.4765 |
| | 54.941 | -0.0021 | -0.2936 | 0.0021 | 0.3224 |
| | 73.174 | -0.0023 | -0.3927 | 0.0018 | 0.3257 |
| 12 | 87.340 | -0.0022 | -0.3707 | 0.0018 | 0.3149 |
| Area | | 0.0700 | 4.3579 | 0.0400 | 7.1124 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 0.341 | 0.341 | 1.459 | 1.459 |
| Topping | 0.109 | 0.109 | 0.178 | 0.178 |
| Linear loads | -0.141 | -0.141 | 0.297 | 0.297 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 4.289 | -0.813 | -0.889 | 0.661 |
| Total | 4.598 | -0.504 | 1.044 | 2.595 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
30.17 31.67 36.17 37.67

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
59.67 61.17 65.67 67.17



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 22
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0011 | -0.1193 | -0.0003 | -0.0522 |
| | 19.250 | -0.0068 | -1.2712 | -0.0021 | -0.3368 |
| | 36.167 | -0.0214 | -1.6813 | -0.0027 | -0.5109 |
| | 54.941 | -0.0012 | 0.7203 | 0.0048 | 0.6006 |
| | 73.174 | -0.0004 | -0.1043 | 0.0034 | 0.6142 |
| 12 | 87.340 | -0.0007 | -0.1091 | 0.0034 | 0.5914 |
| Area | | -0.3066 | -19.3538 | 0.0841 | 9.5482 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -3.524 | -3.524 | 2.207 | 2.207 |
| Topping | -0.484 | -0.484 | 0.239 | 0.239 |
| Linear loads | -0.124 | -0.124 | 0.233 | 0.233 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 3.237 | -5.991 | 1.217 | -0.916 |
| Total | -0.896 | -10.124 | 3.895 | 1.762 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
44.63 46.13 50.63 52.13

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
30.17 31.67 36.17 37.67

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 23
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.0131 | 2.2460 | 0.0017 | 0.2728 |
| | 19.250 | 0.0154 | 2.5567 | 0.0012 | 0.2220 |
| | 36.167 | 0.0126 | 2.9680 | 0.0017 | 0.0874 |
| | 54.941 | -0.0365 | -4.0083 | -0.0001 | -0.0554 |
| | 73.174 | -0.0315 | -5.4128 | -0.0008 | -0.1090 |
| 12 | 87.340 | -0.0303 | -5.1013 | -0.0006 | -0.0885 |
| Area | | -0.5411 | -54.0115 | 0.0509 | 4.7030 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -10.886 | -10.886 | 1.401 | 1.401 |
| Topping | -1.350 | -1.350 | 0.118 | 0.118 |
| Linear loads | -1.259 | -1.259 | 0.081 | 0.081 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 5.733 | -12.082 | 0.720 | -0.169 |
| Total | -7.762 | -25.578 | 2.320 | 1.430 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
37.13 38.63 43.13 44.63

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
54.94 56.44 60.94 62.44



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 24
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.0124 | 2.1205 | 0.0016 | 0.2594 |
| | 19.250 | 0.0145 | 2.4158 | 0.0011 | 0.2090 |
| | 36.167 | 0.0129 | 2.7988 | 0.0015 | 0.0781 |
| | 54.941 | -0.0337 | -3.6619 | -0.0003 | -0.0627 |
| | 73.174 | -0.0298 | -5.1238 | -0.0009 | -0.1151 |
| 12 | 87.340 | -0.0287 | -4.8347 | -0.0006 | -0.0931 |
| Area | | -0.4563 | -47.4263 | 0.0396 | 3.9036 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -9.684 | -9.684 | 1.160 | 1.160 |
| Topping | -1.186 | -1.186 | 0.098 | 0.098 |
| Linear loads | -1.197 | -1.197 | 0.073 | 0.073 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 5.945 | -11.280 | 0.574 | -0.204 |
| Total | -6.121 | -23.346 | 1.904 | 1.127 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
37.71 39.21 43.71 45.21

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
54.94 56.44 60.94 62.44

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 25
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.0058 | 0.9899 | 0.0010 | 0.1664 |
| | 19.250 | 0.0070 | 1.1636 | 0.0006 | 0.1210 |
| | 36.167 | 0.0070 | 1.3282 | 0.0005 | 0.0182 |
| | 54.941 | -0.0088 | -0.6547 | -0.0009 | -0.1021 |
| | 73.174 | -0.0151 | -2.5906 | -0.0010 | -0.1392 |
| 12 | 87.340 | -0.0148 | -2.4972 | -0.0007 | -0.1046 |
| Area | | -0.0249 | -4.6214 | -0.0097 | -0.8699 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -2.087 | -2.087 | -0.275 | -0.275 |
| Topping | -0.116 | -0.116 | -0.022 | -0.022 |
| Linear loads | -0.662 | -0.662 | 0.027 | 0.027 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 5.371 | -5.149 | -0.053 | -0.319 |
| Total | 2.507 | -8.013 | -0.323 | -0.589 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
42.71 44.21 48.71 50.21

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
71.67 73.17 77.67 79.17



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 26
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0007 | -0.1131 | 0.0006 | 0.1068 |
| | 19.250 | -0.0003 | -0.0508 | 0.0003 | 0.0676 |
| | 36.167 | -0.0007 | -0.0840 | 0.0001 | -0.0117 |
| | 54.941 | 0.0265 | 2.2138 | -0.0010 | -0.1089 |
| | 73.174 | -0.0011 | -0.1475 | -0.0008 | -0.1265 |
| 12 | 87.340 | -0.0014 | -0.2428 | -0.0006 | -0.0804 |
| Area | | 0.1489 | 13.1085 | -0.0239 | -2.7061 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 1.640 | 1.640 | -0.817 | -0.817 |
| Topping | 0.328 | 0.328 | -0.068 | -0.068 |
| Linear loads | -0.152 | -0.152 | 0.011 | 0.011 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 4.872 | -0.392 | -0.288 | -0.247 |
| Total | 6.688 | 1.424 | -1.163 | -1.121 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
48.94 50.44 54.94 56.44

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
76.92 78.42 82.92 84.42

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 27
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0146 | -2.4888 | 0.0003 | 0.0561 |
| | 19.250 | -0.0158 | -2.6662 | 0.0002 | 0.0352 |
| | 36.167 | -0.0179 | -3.1226 | 0.0000 | 0.0044 |
| | 54.941 | -0.0237 | -1.8362 | 0.0000 | -0.0354 |
| | 73.174 | 0.0254 | 5.1182 | 0.0010 | -0.0006 |
| 12 | 87.340 | 0.0279 | 4.5719 | 0.0003 | 0.0722 |
| Area | | -0.3684 | -25.6505 | 0.0270 | 0.9609 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -0.431 | -0.431 | 0.331 | 0.331 |
| Topping | -0.641 | -0.641 | 0.024 | 0.024 |
| Linear loads | 0.929 | 0.929 | 0.056 | 0.056 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 10.055 | -7.668 | 0.487 | -0.036 |
| Total | 9.912 | -7.812 | 0.897 | 0.375 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
65.26 66.76 71.26 72.76

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
47.44 48.94 53.44 54.94



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 28
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 5 section left

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.0028 | -0.4832 | 0.0019 | 0.3232 |
| | 19.250 | -0.0030 | -0.5016 | 0.0019 | 0.3238 |
| | 36.167 | -0.0033 | -0.5938 | 0.0019 | 0.3415 |
| | 54.941 | -0.0051 | 0.0624 | 0.0026 | 0.2240 |
| | 73.174 | -0.0193 | -1.3276 | -0.0050 | -0.8471 |
| 12 | 87.340 | 0.0027 | 0.1965 | -0.0033 | -0.5539 |
| Area | | -0.3073 | -21.2636 | 0.0363 | 1.6417 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -2.954 | -2.954 | -0.193 | -0.193 |
| Topping | -0.532 | -0.532 | 0.041 | 0.041 |
| Linear loads | -0.181 | -0.181 | -0.111 | -0.111 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 2.367 | -5.034 | 0.384 | -1.662 |
| Total | -1.300 | -8.701 | 0.121 | -1.924 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
57.76 59.26 63.76 65.26

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
71.67 73.17 77.67 79.17

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 29
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0027 | -0.4572 | 0.0018 | 0.3065 |
| | 19.250 | -0.0028 | -0.4751 | 0.0018 | 0.3067 |
| | 36.167 | -0.0031 | -0.5626 | 0.0018 | 0.3237 |
| | 54.941 | -0.0039 | 0.0472 | 0.0023 | 0.2080 |
| | 73.174 | -0.0170 | -1.0857 | -0.0050 | -0.8320 |
| 12 | 87.340 | 0.0024 | 0.1538 | -0.0030 | -0.5104 |
| Area | | -0.2361 | -17.0872 | 0.0263 | 1.0706 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -2.262 | -2.262 | -0.340 | -0.340 |
| Topping | -0.427 | -0.427 | 0.027 | 0.027 |
| Linear loads | -0.182 | -0.182 | -0.099 | -0.099 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 3.236 | -4.391 | -0.074 | -1.654 |
| Total | 0.365 | -7.262 | -0.487 | -2.067 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
59.84 61.34 65.84 67.34

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
71.67 73.17 77.67 79.17



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 30
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0016 | -0.2787 | 0.0011 | 0.1844 |
| | 19.250 | -0.0017 | -0.2940 | 0.0010 | 0.1826 |
| | 36.167 | -0.0020 | -0.3465 | 0.0011 | 0.1932 |
| | 54.941 | -0.0016 | -0.0897 | 0.0010 | 0.0948 |
| | 73.174 | 0.0053 | 1.0823 | -0.0046 | -0.6769 |
| 12 | 87.340 | -0.0002 | -0.0656 | -0.0003 | -0.1103 |
| Area | | 0.0443 | 4.9111 | -0.0116 | -1.7857 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 0.986 | 0.986 | -0.982 | -0.982 |
| Topping | 0.123 | 0.123 | -0.045 | -0.045 |
| Linear loads | -0.148 | -0.148 | 0.017 | 0.017 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 4.708 | -0.723 | -0.936 | 0.380 |
| Total | 5.669 | 0.238 | -1.946 | -0.630 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
63.34 64.84 69.34 70.84

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
42.71 44.21 48.71 50.21

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 31
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0012 | -0.2038 | 0.0008 | 0.1377 |
| | 19.250 | -0.0013 | -0.2184 | 0.0008 | 0.1355 |
| | 36.167 | -0.0015 | -0.2557 | 0.0008 | 0.1436 |
| | 54.941 | -0.0014 | -0.1554 | 0.0006 | 0.0545 |
| | 73.174 | 0.0237 | 2.1131 | -0.0041 | -0.5907 |
| 12 | 87.340 | -0.0017 | -0.1377 | 0.0011 | 0.0909 |
| Area | | 0.0785 | 6.6713 | -0.0151 | -2.0624 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 1.111 | 1.111 | -0.960 | -0.960 |
| Topping | 0.167 | 0.167 | -0.052 | -0.052 |
| Linear loads | -0.123 | -0.123 | 0.083 | 0.083 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 4.377 | -0.554 | -1.198 | 0.273 |
| Total | 5.532 | 0.601 | -2.127 | -0.656 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
67.17 68.67 73.17 74.67

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
42.71 44.21 48.71 50.21



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 32
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 5 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 | 0.0003 | 0.0571 | 0.0001 | 0.0195 |
| | 19.250 | 0.0003 | 0.0459 | 0.0001 | 0.0175 |
| | 36.167 | 0.0003 | 0.0610 | 0.0001 | 0.0187 |
| | 54.941 | -0.0013 | -0.3588 | -0.0002 | -0.0291 |
| | 73.174 | -0.0250 | -2.3165 | -0.0016 | -0.2360 |
| 12 | 87.340 | -0.0141 | -0.4318 | 0.0080 | 0.8397 |
| Area | | -0.3084 | -27.6702 | 0.0258 | 1.3727 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -4.297 | -4.297 | 0.442 | 0.442 |
| Topping | -0.692 | -0.692 | 0.034 | 0.034 |
| Linear loads | -0.055 | -0.055 | 0.351 | 0.351 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 0.102 | -6.999 | 0.037 | -0.504 |
| Total | -4.942 | -12.043 | 0.864 | 0.324 |

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 =
67.17 68.67 73.17 74.67

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 33
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 6 section left

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.0001 | -0.0116 | 0.0001 | 0.0219 |
| | 19.250 | -0.0001 | -0.0125 | 0.0001 | 0.0224 |
| | 36.167 | -0.0001 | -0.0143 | 0.0001 | 0.0236 |
| | 54.941 | 0.0002 | -0.0220 | 0.0002 | 0.0313 |
| | 73.174 | -0.0044 | 0.0284 | 0.0010 | 0.0383 |
| 12 | 87.340 | -0.0631 | -6.1631 | 0.0011 | 0.0411 |
| Area | | -0.2504 | -19.5379 | 0.0340 | 2.5266 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -3.265 | -3.265 | 0.768 | 0.768 |
| Topping | -0.488 | -0.488 | 0.063 | 0.063 |
| Linear loads | -2.400 | -2.400 | 0.028 | 0.028 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | -0.024 | -5.473 | 0.044 | 0.511 |
| Total | -6.178 | -11.627 | 0.903 | 1.370 |

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 =
76.92 78.42 82.92 84.42



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 34
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.0001 | -0.0094 | 0.0001 | 0.0176 |
| | 19.250 | -0.0001 | -0.0101 | 0.0001 | 0.0180 |
| | 36.167 | -0.0001 | -0.0115 | 0.0001 | 0.0189 |
| | 54.941 | 0.0002 | -0.0178 | 0.0001 | 0.0252 |
| | 73.174 | -0.0033 | 0.0228 | 0.0008 | 0.0308 |
| 12 | 87.340 | -0.0580 | -5.5969 | 0.0008 | 0.0331 |
| Area | | -0.1965 | -16.0661 | 0.0257 | 2.0313 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -2.601 | -2.601 | 0.618 | 0.618 |
| Topping | -0.402 | -0.402 | 0.051 | 0.051 |
| Linear loads | -2.149 | -2.149 | 0.022 | 0.022 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | -0.019 | -4.012 | 0.035 | 0.371 |
| Total | -5.172 | -9.164 | 0.726 | 1.061 |

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 =
76.92 78.42 82.92 84.42

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 35
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.0000 | -0.0023 | 0.0000 | 0.0039 |
| | 19.250 | 0.0000 | -0.0025 | 0.0000 | 0.0040 |
| | 36.167 | 0.0000 | -0.0028 | 0.0000 | 0.0042 |
| | 54.941 | 0.0000 | -0.0044 | 0.0000 | 0.0056 |
| | 73.174 | -0.0006 | 0.0053 | 0.0002 | 0.0069 |
| 12 | 87.340 | -0.0341 | -2.8168 | 0.0001 | 0.0074 |
| Area | | -0.0427 | -4.0237 | 0.0049 | 0.4542 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -0.505 | -0.505 | 0.138 | 0.138 |
| Topping | -0.101 | -0.101 | 0.011 | 0.011 |
| Linear loads | -0.919 | -0.919 | 0.005 | 0.005 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 0.419 | -0.163 | 0.061 | 0.054 |
| Total | -1.105 | -1.687 | 0.216 | 0.208 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
76.92 78.42 82.92 84.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
69.51 71.01 75.51 77.01



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 36
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 7 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.0061 | 0.8998 | -0.0107 | -1.4427 |
| | 19.250 | 0.0008 | 0.1631 | 0.0022 | 0.2101 |
| | 36.167 | -0.0022 | -0.3461 | 0.0012 | 0.1999 |
| | 54.941 | -0.0005 | -0.0842 | 0.0002 | 0.0370 |
| | 73.174 | -0.0002 | -0.0367 | 0.0001 | 0.0144 |
| 12 | 87.340 | -0.0002 | -0.0325 | 0.0001 | 0.0121 |
| Area | | 0.0203 | 2.9591 | -0.0252 | -3.8771 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -0.951 | -0.951 | -0.034 | -0.034 |
| Topping | 0.074 | 0.074 | -0.097 | -0.097 |
| Linear loads | 0.374 | 0.374 | -0.600 | -0.600 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 1.641 | -0.685 | -1.977 | 0.378 |
| Total | 1.138 | -1.188 | -2.709 | -0.353 |

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 =
34.67 36.17 40.67 42.17

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 37
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 7 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.0051 | 0.7932 | -0.0098 | -1.3552 |
| | 19.250 | 0.0008 | 0.1398 | 0.0025 | 0.2481 |
| | 36.167 | -0.0019 | -0.3003 | 0.0012 | 0.2062 |
| | 54.941 | -0.0004 | -0.0743 | 0.0002 | 0.0288 |
| | 73.174 | -0.0002 | -0.0328 | 0.0000 | 0.0068 |
| 12 | 87.340 | -0.0002 | -0.0291 | 0.0000 | 0.0047 |
| Area | | 0.0170 | 2.5990 | -0.0118 | -2.5990 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -0.437 | -0.437 | 0.324 | 0.324 |
| Topping | 0.065 | 0.065 | -0.065 | -0.065 |
| Linear loads | 0.329 | 0.329 | -0.566 | -0.566 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 1.397 | -0.594 | -1.715 | 0.389 |
| Total | 1.354 | -0.637 | -2.021 | 0.083 |

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 =
34.67 36.17 40.67 42.17



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 38
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 7 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.0003 | 0.0493 | -0.0052 | -0.7920 |
| | 19.250 | -0.0002 | -0.0254 | 0.0037 | 0.4681 |
| | 36.167 | 0.0001 | 0.0136 | 0.0011 | 0.1964 |
| | 54.941 | 0.0000 | 0.0009 | -0.0003 | -0.0717 |
| | 73.174 | 0.0000 | -0.0011 | -0.0005 | -0.0803 |
| 12 | 87.340 | 0.0000 | -0.0011 | -0.0005 | -0.0779 |
| Area | | 0.0011 | 0.1606 | 0.0304 | 2.5239 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 0.903 | 0.903 | 1.681 | 1.681 |
| Topping | 0.004 | 0.004 | 0.063 | 0.063 |
| Linear loads | 0.020 | 0.020 | -0.359 | -0.359 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 0.047 | -0.048 | -0.494 | 1.087 |
| Total | 0.974 | 0.878 | 0.892 | 2.472 |

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 =
17.75 19.25 23.75 25.25

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 39
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 8 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.0012 | 0.2165 | -0.0030 | -0.5445 |
| | 19.250 | 0.0037 | 0.5812 | -0.0004 | 0.0134 |
| | 36.167 | -0.0001 | 0.0146 | 0.0039 | 0.5757 |
| | 54.941 | -0.0026 | -0.4250 | -0.0002 | -0.0577 |
| | 73.174 | -0.0021 | -0.3636 | -0.0007 | -0.1264 |
| 12 | 87.340 | -0.0020 | -0.3403 | -0.0007 | -0.1241 |
| Area | | -0.0199 | -3.2305 | 0.0156 | 1.8331 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -2.065 | -2.065 | 1.232 | 1.232 |
| Topping | -0.081 | -0.081 | 0.046 | 0.046 |
| Linear loads | -0.048 | -0.048 | -0.284 | -0.284 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 1.190 | -0.891 | -0.137 | 0.131 |
| Total | -1.004 | -3.084 | 0.857 | 1.125 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
13.25 14.75 19.25 20.75

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
48.94 50.44 54.94 56.44



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 40
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 8 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.0011 | 0.1892 | -0.0026 | -0.4763 |
| | 19.250 | 0.0032 | 0.5079 | 0.0000 | 0.0606 |
| | 36.167 | 0.0000 | 0.0078 | 0.0041 | 0.5885 |
| | 54.941 | -0.0023 | -0.3693 | -0.0004 | -0.0841 |
| | 73.174 | -0.0019 | -0.3148 | -0.0009 | -0.1538 |
| 12 | 87.340 | -0.0017 | -0.2946 | -0.0009 | -0.1497 |
| Area | | -0.0173 | -2.8040 | 0.0227 | 2.4195 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -1.407 | -1.407 | 1.407 | 1.407 |
| Topping | -0.070 | -0.070 | 0.060 | 0.060 |
| Linear loads | -0.040 | -0.040 | -0.266 | -0.266 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 1.020 | -0.775 | -0.012 | 0.099 |
| Total | -0.497 | -2.293 | 1.190 | 1.301 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
13.25 14.75 19.25 20.75

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
48.71 50.21 54.71 56.21

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 41
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 8 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.0001 | -0.0120 | -0.0002 | -0.0626 |
| | 19.250 | 0.0000 | 0.0015 | 0.0019 | 0.3351 |
| | 36.167 | -0.0003 | -0.0390 | 0.0047 | 0.6327 |
| | 54.941 | 0.0001 | 0.0184 | -0.0019 | -0.3052 |
| | 73.174 | 0.0001 | 0.0242 | -0.0022 | -0.3755 |
| 12 | 87.340 | 0.0001 | 0.0228 | -0.0021 | -0.3566 |
| Area | | 0.0008 | 0.1351 | 0.0329 | 2.7396 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 0.919 | 0.919 | 1.496 | 1.496 |
| Topping | 0.003 | 0.003 | 0.068 | 0.068 |
| Linear loads | 0.005 | 0.005 | -0.177 | -0.177 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 0.050 | -0.075 | -0.776 | 1.413 |
| Total | 0.977 | 0.852 | 0.611 | 2.800 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
59.67 61.17 65.67 67.17

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
30.17 31.67 36.17 37.67



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 42
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 9 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.0007 | 0.1198 | -0.0015 | -0.2519 |
| | 19.250 | 0.0008 | 0.1315 | -0.0016 | -0.2720 |
| | 36.167 | 0.0009 | 0.1527 | -0.0018 | -0.3179 |
| | 54.941 | 0.0014 | 0.1716 | -0.0022 | -0.2394 |
| | 73.174 | -0.0019 | -0.2845 | 0.0059 | 0.8358 |
| 12 | 87.340 | -0.0040 | -0.6331 | 0.0034 | 0.5855 |
| Area | | 0.0086 | 1.0550 | 0.0003 | 0.0621 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -1.248 | -1.248 | 0.723 | 0.723 |
| Topping | 0.026 | 0.026 | 0.002 | 0.002 |
| Linear loads | -0.224 | -0.224 | 0.156 | 0.156 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 0.447 | -1.212 | -0.520 | 1.634 |
| Total | -1.000 | -2.658 | 0.360 | 2.515 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
53.44 54.94 59.44 60.94

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
76.92 78.42 82.92 84.42

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 43
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 9 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.0006 | 0.1051 | -0.0013 | -0.2277 |
| | 19.250 | 0.0007 | 0.1154 | -0.0015 | -0.2456 |
| | 36.167 | 0.0008 | 0.1340 | -0.0017 | -0.2873 |
| | 54.941 | 0.0011 | 0.1509 | -0.0019 | -0.2080 |
| | 73.174 | -0.0016 | -0.2529 | 0.0059 | 0.8136 |
| 12 | 87.340 | -0.0035 | -0.5489 | 0.0029 | 0.5114 |
| Area | | 0.0069 | 0.9156 | 0.0120 | 1.0929 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -0.715 | -0.715 | 0.990 | 0.990 |
| Topping | 0.023 | 0.023 | 0.027 | 0.027 |
| Linear loads | -0.194 | -0.194 | 0.135 | 0.135 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 0.357 | -1.050 | -0.626 | 1.553 |
| Total | -0.529 | -1.936 | 0.526 | 2.705 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
48.94 50.44 54.94 56.44

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
76.92 78.42 82.92 84.42



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 44
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 9 section c

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.0001 | 0.0120 | -0.0006 | -0.1006 |
| | 19.250 | 0.0001 | 0.0128 | -0.0006 | -0.1071 |
| | 36.167 | 0.0001 | 0.0151 | -0.0007 | -0.1263 |
| | 54.941 | 0.0001 | 0.0093 | -0.0005 | -0.0479 |
| | 73.174 | -0.0003 | -0.0509 | 0.0050 | 0.6232 |
| 12 | 87.340 | 0.0001 | 0.0082 | -0.0004 | -0.0184 |
| Area | | -0.0001 | -0.0160 | 0.0424 | 4.3290 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 0.759 | 0.759 | 1.672 | 1.672 |
| Topping | 0.000 | 0.000 | 0.108 | 0.108 |
| Linear loads | 0.007 | 0.007 | -0.035 | -0.035 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 0.033 | -0.098 | -0.261 | 1.468 |
| Total | 0.798 | 0.668 | 1.484 | 3.213 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
42.71 44.21 48.71 50.21

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
67.17 68.67 73.17 74.67

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 45
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 10 section top

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.0833 | -10.9493 | -0.0123 | -0.8686 |
| | 19.250 | 0.0165 | 1.6421 | -0.0062 | -0.4050 |
| | 36.167 | 0.0066 | 1.1711 | -0.0005 | -0.1172 |
| | 54.941 | 0.0016 | 0.2445 | -0.0002 | -0.0216 |
| | 73.174 | 0.0007 | 0.1128 | -0.0001 | -0.0105 |
| 12 | 87.340 | 0.0006 | 0.0973 | -0.0001 | -0.0090 |
| Area | | -0.2590 | -34.6246 | -0.2829 | -18.1165 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -3.595 | -3.595 | -2.991 | -2.991 |
| Topping | -0.866 | -0.866 | -0.453 | -0.453 |
| Linear loads | -4.547 | -4.547 | -0.380 | -0.380 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 4.776 | -15.556 | -1.643 | -4.791 |
| Total | -4.232 | -24.564 | -5.467 | -8.615 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.75 19.25 23.75 25.25

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



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 46
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 10 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.0727 | -9.6969 | -0.0110 | -0.7892 |
| | 19.250 | 0.0143 | 1.4882 | -0.0055 | -0.3650 |
| | 36.167 | 0.0057 | 1.0083 | -0.0004 | -0.0991 |
| | 54.941 | 0.0014 | 0.2096 | -0.0001 | -0.0169 |
| | 73.174 | 0.0006 | 0.0969 | 0.0000 | -0.0077 |
| 12 | 87.340 | 0.0005 | 0.0835 | 0.0000 | -0.0065 |
| Area | | -0.2258 | -30.6465 | -0.2481 | -16.1855 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -3.357 | -3.357 | -2.580 | -2.580 |
| Topping | -0.766 | -0.766 | -0.405 | -0.405 |
| Linear loads | -4.027 | -4.027 | -0.345 | -0.345 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 4.162 | -13.476 | -1.457 | -4.205 |
| Total | -3.988 | -21.626 | -4.787 | -7.534 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.75 19.25 23.75 25.25

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

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 47
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 10 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.0383 | -5.2881 | -0.0064 | -0.5042 |
| | 19.250 | 0.0081 | 0.9456 | -0.0030 | -0.2190 |
| | 36.167 | 0.0024 | 0.4361 | -0.0001 | -0.0307 |
| | 54.941 | 0.0006 | 0.0865 | 0.0000 | 0.0024 |
| | 73.174 | 0.0002 | 0.0411 | 0.0000 | 0.0037 |
| 12 | 87.340 | 0.0002 | 0.0351 | 0.0000 | 0.0038 |
| Area | | -0.1186 | -16.6485 | -0.1283 | -9.0773 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -2.520 | -2.520 | -1.044 | -1.044 |
| Topping | -0.416 | -0.416 | -0.227 | -0.227 |
| Linear loads | -2.196 | -2.196 | -0.217 | -0.217 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 2.305 | -6.854 | -0.783 | -2.247 |
| Total | -2.828 | -11.986 | -2.270 | -3.734 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
17.75 19.25 23.75 25.25

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



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 48
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 11 section top

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.0107 | -2.0490 | 0.0001 | -0.1008 |
| | 19.250 | -0.0331 | -4.3931 | -0.0067 | -0.4390 |
| | 36.167 | 0.0278 | 3.4998 | -0.0067 | -0.4387 |
| | 54.941 | 0.0079 | 1.4036 | -0.0003 | -0.1009 |
| | 73.174 | 0.0045 | 0.7632 | -0.0002 | -0.0298 |
| 12 | 87.340 | 0.0041 | 0.7020 | -0.0002 | -0.0279 |
| Area | | 0.0208 | 3.0263 | -0.2726 | -19.2863 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 0.735 | 0.735 | -3.118 | -3.118 |
| Topping | 0.076 | 0.076 | -0.482 | -0.482 |
| Linear loads | -0.647 | -0.647 | -0.061 | -0.061 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 8.487 | -10.307 | -1.778 | -1.782 |
| Total | 8.650 | -10.144 | -5.440 | -5.444 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
34.67 36.17 40.67 42.17

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
13.25 14.75 19.25 20.75

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 49
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 11 section a

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.0090 | -1.7180 | 0.0002 | -0.0808 |
| | 19.250 | -0.0285 | -3.8415 | -0.0060 | -0.3971 |
| | 36.167 | 0.0241 | 3.0916 | -0.0060 | -0.3972 |
| | 54.941 | 0.0068 | 1.1979 | -0.0003 | -0.0848 |
| | 73.174 | 0.0038 | 0.6378 | -0.0001 | -0.0217 |
| 12 | 87.340 | 0.0035 | 0.5861 | -0.0001 | -0.0203 |
| Area | | 0.0181 | 2.6382 | -0.2391 | -17.1110 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 0.622 | 0.622 | -2.593 | -2.593 |
| Topping | 0.066 | 0.066 | -0.428 | -0.428 |
| Linear loads | -0.547 | -0.547 | -0.049 | -0.049 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 7.354 | -8.881 | -1.592 | -1.594 |
| Total | 7.495 | -8.740 | -4.661 | -4.663 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
34.67 36.17 40.67 42.17

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
13.25 14.75 19.25 20.75



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 50
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 11 section b

Loadfactor 1.000 impactfactor 1.300

Influence lines incl. loaddistribution

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.0026 | -0.5557 | 0.0004 | -0.0061 |
| | 19.250 | -0.0137 | -1.9004 | -0.0035 | -0.2458 |
| | 36.167 | 0.0122 | 1.6542 | -0.0035 | -0.2475 |
| | 54.941 | 0.0026 | 0.4752 | 0.0000 | -0.0248 |
| | 73.174 | 0.0012 | 0.1972 | 0.0001 | 0.0106 |
| 12 | 87.340 | 0.0011 | 0.1791 | 0.0001 | 0.0099 |
| Area | | 0.0088 | 1.2713 | -0.1238 | -9.1416 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 0.223 | 0.223 | -0.650 | -0.650 |
| Topping | 0.032 | 0.032 | -0.229 | -0.229 |
| Linear loads | -0.193 | -0.193 | -0.002 | -0.002 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 3.683 | -4.181 | -0.914 | -0.910 |
| Total | 3.745 | -4.119 | -1.793 | -1.790 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
34.67 36.17 40.67 42.17

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
13.25 14.75 19.25 20.75

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 51
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 12 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 | -0.0143 | -2.3652 | 0.0012 | 0.2105 |
| | 19.250 | -0.0223 | -3.8279 | 0.0008 | 0.1086 |
| | 36.167 | -0.0341 | -4.6493 | -0.0047 | -0.1379 |
| | 54.941 | 0.0353 | 4.7285 | -0.0066 | -0.4820 |
| | 73.174 | 0.0311 | 5.3085 | -0.0027 | -0.4800 |
| 12 | 87.340 | 0.0296 | 4.9923 | -0.0027 | -0.4437 |
| Area | | 0.2346 | 34.6578 | -0.2838 | -18.6299 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 7.362 | 7.362 | -3.390 | -3.390 |
| Topping | 0.866 | 0.866 | -0.466 | -0.466 |
| Linear loads | 1.135 | 1.135 | -0.106 | -0.106 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 11.823 | -10.717 | -1.683 | -1.144 |
| Total | 21.186 | -1.355 | -5.645 | -5.106 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
54.94 56.44 60.94 62.44

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
30.17 31.67 36.17 37.67



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 52
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 12 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 | -0.0126 | -2.0884 | 0.0011 | 0.1941 |
| | 19.250 | -0.0196 | -3.3573 | 0.0008 | 0.1072 |
| | 36.167 | -0.0299 | -4.1477 | -0.0042 | -0.1219 |
| | 54.941 | 0.0307 | 4.1783 | -0.0059 | -0.4373 |
| | 73.174 | 0.0275 | 4.6991 | -0.0025 | -0.4350 |
| 12 | 87.340 | 0.0262 | 4.4194 | -0.0024 | -0.4024 |
| Area | | 0.2053 | 30.5988 | -0.2487 | -16.6464 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 6.684 | 6.684 | -2.941 | -2.941 |
| Topping | 0.765 | 0.765 | -0.416 | -0.416 |
| Linear loads | 1.007 | 1.007 | -0.094 | -0.094 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 10.372 | -9.414 | -1.515 | -1.002 |
| Total | 18.828 | -0.958 | -4.966 | -4.454 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
54.94 56.44 60.94 62.44

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
30.17 31.67 36.17 37.67

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 53
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 12 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 | -0.0067 | -1.1172 | 0.0008 | 0.1375 |
| | 19.250 | -0.0099 | -1.7069 | 0.0007 | 0.1041 |
| | 36.167 | -0.0165 | -2.3870 | -0.0021 | -0.0628 |
| | 54.941 | 0.0160 | 2.2436 | -0.0034 | -0.2758 |
| | 73.174 | 0.0150 | 2.5641 | -0.0015 | -0.2715 |
| 12 | 87.340 | 0.0143 | 2.4122 | -0.0015 | -0.2518 |
| Area | | 0.1074 | 16.3431 | -0.1285 | -9.3633 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 4.308 | 4.308 | -1.269 | -1.269 |
| Topping | 0.409 | 0.409 | -0.234 | -0.234 |
| Linear loads | 0.562 | 0.562 | -0.052 | -0.052 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 5.484 | -5.146 | -0.708 | -0.487 |
| Total | 10.762 | 0.132 | -2.263 | -2.041 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
58.17 59.67 64.17 65.67

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
30.17 31.67 36.17 37.67



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 54
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 13 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 | -0.0118 | -2.0057 | -0.0016 | -0.2674 |
| | 19.250 | -0.0128 | -2.1646 | -0.0017 | -0.2912 |
| | 36.167 | -0.0146 | -2.5288 | -0.0019 | -0.3392 |
| | 54.941 | -0.0186 | -1.8986 | -0.0059 | -0.3623 |
| | 73.174 | 0.0448 | 6.4458 | -0.0036 | 0.0816 |
| 12 | 87.340 | 0.0251 | 4.3755 | 0.0036 | 0.5129 |
| Area | | -0.0610 | -4.3869 | -0.2668 | -16.3158 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 2.524 | 2.524 | -2.384 | -2.384 |
| Topping | -0.110 | -0.110 | -0.408 | -0.408 |
| Linear loads | 1.110 | 1.110 | 0.098 | 0.098 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 14.138 | -6.132 | -0.694 | -1.442 |
| Total | 17.662 | -2.608 | -3.387 | -4.135 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
71.67 73.17 77.67 79.17

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
47.44 48.94 53.44 54.94

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 55
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 13 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 | -0.0105 | -1.7795 | -0.0014 | -0.2408 |
| | 19.250 | -0.0114 | -1.9204 | -0.0016 | -0.2621 |
| | 36.167 | -0.0130 | -2.2437 | -0.0017 | -0.3050 |
| | 54.941 | -0.0160 | -1.6813 | -0.0053 | -0.3257 |
| | 73.174 | 0.0393 | 5.7330 | -0.0031 | 0.0785 |
| 12 | 87.340 | 0.0221 | 3.8415 | 0.0033 | 0.4717 |
| Area | | -0.0514 | -3.8200 | -0.2333 | -14.5321 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 2.081 | 2.081 | -2.028 | -2.028 |
| Topping | -0.096 | -0.096 | -0.363 | -0.363 |
| Linear loads | 0.968 | 0.968 | 0.093 | 0.093 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 12.429 | -5.349 | -0.592 | -1.290 |
| Total | 15.383 | -2.395 | -2.890 | -3.588 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
71.67 73.17 77.67 79.17

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
47.44 48.94 53.44 54.94



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 56
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 13 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 | -0.0058 | -0.9876 | -0.0008 | -0.1434 |
| | 19.250 | -0.0063 | -1.0649 | -0.0009 | -0.1562 |
| | 36.167 | -0.0072 | -1.2447 | -0.0010 | -0.1812 |
| | 54.941 | -0.0081 | -0.9128 | -0.0029 | -0.1935 |
| | 73.174 | 0.0215 | 3.2310 | -0.0014 | 0.0699 |
| 12 | 87.340 | 0.0112 | 1.9682 | 0.0022 | 0.3278 |
| Area | | -0.0233 | -1.7934 | -0.1189 | -7.9738 |

| Description | Moment Max. | Moment Min. | Axial force in case of Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 0.533 | 0.533 | -0.695 | -0.695 |
| Topping | -0.045 | -0.045 | -0.199 | -0.199 |
| Linear loads | 0.467 | 0.467 | 0.076 | 0.076 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 6.744 | -2.812 | -0.219 | -0.541 |
| Total | 7.700 | -1.856 | -1.037 | -1.359 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
71.67 73.17 77.67 79.17

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
44.21 45.71 50.21 51.71

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 57
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 14 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 | 0.0004 | 0.0687 | 0.0002 | 0.0322 |
| | 19.250 | 0.0003 | 0.0584 | 0.0002 | 0.0325 |
| | 36.167 | 0.0004 | 0.0752 | 0.0002 | 0.0390 |
| | 54.941 | -0.0016 | -0.3368 | 0.0001 | -0.0272 |
| | 73.174 | -0.0206 | -2.3450 | -0.0072 | -0.5550 |
| 12 | 87.340 | 0.0490 | 5.7313 | -0.0149 | -1.0261 |
| Area | | -0.0580 | -8.1323 | -0.2222 | -14.4731 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -1.032 | -1.032 | -2.636 | -2.636 |
| Topping | -0.203 | -0.203 | -0.362 | -0.362 |
| Linear loads | 2.345 | 2.345 | -0.428 | -0.428 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 3.597 | -5.982 | -4.869 | -1.941 |
| Total | 4.707 | -4.872 | -8.295 | -5.367 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
76.92 78.42 82.92 84.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
67.17 68.67 73.17 74.67



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 58
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 14 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 | 0.0004 | 0.0720 | 0.0002 | 0.0308 |
| | 19.250 | 0.0004 | 0.0638 | 0.0002 | 0.0315 |
| | 36.167 | 0.0004 | 0.0808 | 0.0002 | 0.0379 |
| | 54.941 | -0.0013 | -0.2842 | 0.0001 | -0.0203 |
| | 73.174 | -0.0181 | -2.1189 | -0.0064 | -0.4987 |
| 12 | 87.340 | 0.0422 | 5.0576 | -0.0132 | -0.9270 |
| Area | | -0.0504 | -7.1582 | -0.1938 | -12.8428 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | -0.761 | -0.761 | -2.254 | -2.254 |
| Topping | -0.179 | -0.179 | -0.321 | -0.321 |
| Linear loads | 2.072 | 2.072 | -0.386 | -0.386 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 3.056 | -5.245 | -4.255 | -1.724 |
| Total | 4.189 | -4.113 | -7.217 | -4.686 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
76.92 78.42 82.92 84.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
67.17 68.67 73.17 74.67

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 59
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 14 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 | 0.0005 | 0.0837 | 0.0002 | 0.0287 |
| | 19.250 | 0.0005 | 0.0833 | 0.0002 | 0.0305 |
| | 36.167 | 0.0006 | 0.1005 | 0.0002 | 0.0363 |
| | 54.941 | -0.0004 | -0.0989 | 0.0002 | 0.0067 |
| | 73.174 | -0.0103 | -1.3228 | -0.0035 | -0.2962 |
| 12 | 87.340 | 0.0212 | 2.6824 | -0.0074 | -0.5728 |
| Area | | -0.0254 | -3.7267 | -0.0969 | -6.8354 |

| Description | Moment Max. | Moment Min. | Axial force Max. mom | Axial force in case of Min. mom |
|---|---|---|---|---|
| Selfweight | 0.194 | 0.194 | -0.829 | -0.829 |
| Topping | -0.093 | -0.093 | -0.171 | -0.171 |
| Linear loads | 1.110 | 1.110 | -0.234 | -0.234 |
| Live load (incl. reduction factor) | | | | |
| Vehicle(s) | 1.256 | -2.964 | -2.226 | -0.944 |
| Total | 2.467 | -1.753 | -3.461 | -2.178 |

Maximum moment : 1 vehicle(s) decisive
Location of wheels z =
76.92 78.42 82.92 84.42

Minimum moment : 1 vehicle(s) decisive
Location of wheels z =
67.17 68.67 73.17 74.67



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 60
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

LOAD ON THE WEBS

| WEB | S.W. |
|---|---|
| 1 | 4.61 |
| 2 | 7.76 |
| 3 | 4.66 |
| 4 | 4.70 |
| 5 | 4.75 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 61
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Summary of the results ( Maximum)

| Section | --- Deadload ---- | | ----- P.T. ------ | | --- Live load --- | |
|---|---|---|---|---|---|---|
| | Moment | Ax.Frc | Moment | Ax.Frc | Moment | Ax.Frc |
| 1 a | -7.11 | 0.93 | 0.00 | 0.00 | 0.46 | 0.21 |
| 1 b | -11.90 | 1.76 | 0.00 | 0.00 | -0.02 | 0.07 |
| 1 right | -13.25 | 2.00 | 0.00 | 0.00 | -0.02 | 0.08 |
| 2 left | -4.24 | 3.03 | 0.00 | 0.00 | 2.46 | 2.31 |
| 2 a | -3.44 | 2.86 | 0.00 | 0.00 | 3.41 | 1.96 |
| 2 b | 0.28 | 2.09 | 0.00 | 0.00 | 4.48 | 0.30 |
| 2 c | 0.31 | 2.12 | 0.00 | 0.00 | 3.92 | -0.60 |
| 2 right | -7.49 | 3.97 | 0.00 | 0.00 | 1.67 | 0.73 |
| 3 left | -7.66 | 3.95 | 0.00 | 0.00 | 2.56 | 0.92 |
| 3 a | -6.62 | 3.70 | 0.00 | 0.00 | 2.98 | 0.73 |
| 3 b | -0.89 | 2.27 | 0.00 | 0.00 | 4.23 | -0.43 |
| 3 c | 0.31 | 1.93 | 0.00 | 0.00 | 4.29 | -0.89 |
| 3 right | -4.13 | 2.68 | 0.00 | 0.00 | 3.24 | 1.22 |
| 4 left | -13.50 | 1.60 | 0.00 | 0.00 | 5.73 | 0.72 |
| 4 a | -12.07 | 1.33 | 0.00 | 0.00 | 5.95 | 0.57 |
| 4 b | -2.86 | -0.27 | 0.00 | 0.00 | 5.37 | -0.05 |
| 4 c | 1.82 | -0.87 | 0.00 | 0.00 | 4.87 | -0.29 |
| 4 right | -0.14 | 0.41 | 0.00 | 0.00 | 10.06 | 0.49 |
| 5 left | -3.67 | -0.26 | 0.00 | 0.00 | 2.37 | 0.38 |
| 5 a | -2.87 | -0.41 | 0.00 | 0.00 | 3.24 | -0.07 |
| 5 b | 0.96 | -1.01 | 0.00 | 0.00 | 4.71 | -0.94 |
| 5 c | 1.16 | -0.93 | 0.00 | 0.00 | 4.38 | -1.20 |
| 5 right | -5.04 | 0.83 | 0.00 | 0.00 | 0.10 | 0.04 |
| 6 left | -6.15 | 0.86 | 0.00 | 0.00 | -0.02 | 0.04 |
| 6 a | -5.15 | 0.69 | 0.00 | 0.00 | -0.02 | 0.04 |
| 6 b | -1.52 | 0.15 | 0.00 | 0.00 | 0.42 | 0.06 |
| 7 a | -0.50 | -0.73 | 0.00 | 0.00 | 1.64 | -1.98 |
| 7 b | -0.04 | -0.31 | 0.00 | 0.00 | 1.40 | -1.71 |
| 7 c | 0.93 | 1.39 | 0.00 | 0.00 | 0.05 | -0.49 |
| 8 a | -2.19 | 0.99 | 0.00 | 0.00 | 1.19 | -0.14 |
| 8 b | -1.52 | 1.20 | 0.00 | 0.00 | 1.02 | -0.01 |
| 8 c | 0.93 | 1.39 | 0.00 | 0.00 | 0.05 | -0.78 |
| 9 a | -1.45 | 0.88 | 0.00 | 0.00 | 0.45 | -0.52 |
| 9 b | -0.89 | 1.15 | 0.00 | 0.00 | 0.36 | -0.63 |
| 9 c | 0.77 | 1.74 | 0.00 | 0.00 | 0.03 | -0.26 |
| 10 top | -9.01 | -3.82 | 0.00 | 0.00 | 4.78 | -1.64 |
| 10 a | -8.15 | -3.33 | 0.00 | 0.00 | 4.16 | -1.46 |
| 10 b | -5.13 | -1.49 | 0.00 | 0.00 | 2.30 | -0.78 |
| 11 top | 0.16 | -3.66 | 0.00 | 0.00 | 8.49 | -1.78 |
| 11 a | 0.14 | -3.07 | 0.00 | 0.00 | 7.35 | -1.59 |
| 11 b | 0.06 | -0.88 | 0.00 | 0.00 | 3.68 | -0.91 |
| 12 top | 9.36 | -3.96 | 0.00 | 0.00 | 11.82 | -1.68 |
| 12 a | 8.46 | -3.45 | 0.00 | 0.00 | 10.37 | -1.51 |
| 12 b | 5.28 | -1.55 | 0.00 | 0.00 | 5.48 | -0.71 |
| 13 top | 3.52 | -2.69 | 0.00 | 0.00 | 14.14 | -0.69 |
| 13 a | 2.95 | -2.30 | 0.00 | 0.00 | 12.43 | -0.59 |
| 13 b | 0.96 | -0.82 | 0.00 | 0.00 | 6.74 | -0.22 |
| 14 top | 1.11 | -3.43 | 0.00 | 0.00 | 3.60 | -4.87 |
| 14 a | 1.13 | -2.96 | 0.00 | 0.00 | 3.06 | -4.26 |
| 14 b | 1.21 | -1.23 | 0.00 | 0.00 | 1.26 | -2.23 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 62
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Summary of the results ( Minimum)

| Section | --- Deadload ---- | | ----- P.T. ------ | | --- Live load --- | |
|---|---|---|---|---|---|---|
| | Moment | Ax.Frc | Moment | Ax.Frc | Moment | Ax.Frc |
| 1 a | -7.11 | 0.93 | 0.00 | 0.00 | -6.74 | 0.15 |
| 1 b | -11.90 | 1.76 | 0.00 | 0.00 | -11.59 | 0.44 |
| 1 right | -13.25 | 2.00 | 0.00 | 0.00 | -13.70 | 0.57 |
| 2 left | -4.24 | 3.03 | 0.00 | 0.00 | -5.85 | -0.21 |
| 2 a | -3.44 | 2.86 | 0.00 | 0.00 | -5.21 | -0.27 |
| 2 b | 0.28 | 2.09 | 0.00 | 0.00 | -1.00 | -0.13 |
| 2 c | 0.31 | 2.12 | 0.00 | 0.00 | -0.70 | 1.10 |
| 2 right | -7.49 | 3.97 | 0.00 | 0.00 | -9.12 | -0.61 |
| 3 left | -7.66 | 3.95 | 0.00 | 0.00 | -8.15 | -0.61 |
| 3 a | -6.62 | 3.70 | 0.00 | 0.00 | -7.33 | -0.65 |
| 3 b | -0.89 | 2.27 | 0.00 | 0.00 | -1.44 | -0.56 |
| 3 c | 0.31 | 1.93 | 0.00 | 0.00 | -0.81 | 0.66 |
| 3 right | -4.13 | 2.68 | 0.00 | 0.00 | -5.99 | -0.92 |
| 4 left | -13.50 | 1.60 | 0.00 | 0.00 | -12.08 | -0.17 |
| 4 a | -12.07 | 1.33 | 0.00 | 0.00 | -11.28 | -0.20 |
| 4 b | -2.86 | -0.27 | 0.00 | 0.00 | -5.15 | -0.32 |
| 4 c | 1.82 | -0.87 | 0.00 | 0.00 | -0.39 | -0.25 |
| 4 right | -0.14 | 0.41 | 0.00 | 0.00 | -7.67 | -0.04 |
| 5 left | -3.67 | -0.26 | 0.00 | 0.00 | -5.03 | -1.66 |
| 5 a | -2.87 | -0.41 | 0.00 | 0.00 | -4.39 | -1.65 |
| 5 b | 0.96 | -1.01 | 0.00 | 0.00 | -0.72 | 0.38 |
| 5 c | 1.16 | -0.93 | 0.00 | 0.00 | -0.55 | 0.27 |
| 5 right | -5.04 | 0.83 | 0.00 | 0.00 | -7.00 | -0.50 |
| 6 left | -6.15 | 0.86 | 0.00 | 0.00 | -5.47 | 0.51 |
| 6 a | -5.15 | 0.69 | 0.00 | 0.00 | -4.01 | 0.37 |
| 6 b | -1.52 | 0.15 | 0.00 | 0.00 | -0.16 | 0.05 |
| 7 a | -0.50 | -0.73 | 0.00 | 0.00 | -0.68 | 0.38 |
| 7 b | -0.04 | -0.31 | 0.00 | 0.00 | -0.59 | 0.39 |
| 7 c | 0.93 | 1.39 | 0.00 | 0.00 | -0.05 | 1.09 |
| 8 a | -2.19 | 0.99 | 0.00 | 0.00 | -0.89 | 0.13 |
| 8 b | -1.52 | 1.20 | 0.00 | 0.00 | -0.78 | 0.10 |
| 8 c | 0.93 | 1.39 | 0.00 | 0.00 | -0.08 | 1.41 |
| 9 a | -1.45 | 0.88 | 0.00 | 0.00 | -1.21 | 1.63 |
| 9 b | -0.89 | 1.15 | 0.00 | 0.00 | -1.05 | 1.55 |
| 9 c | 0.77 | 1.74 | 0.00 | 0.00 | -0.10 | 1.47 |
| 10 top | -9.01 | -3.82 | 0.00 | 0.00 | -15.56 | -4.79 |
| 10 a | -8.15 | -3.33 | 0.00 | 0.00 | -13.48 | -4.20 |
| 10 b | -5.13 | -1.49 | 0.00 | 0.00 | -6.85 | -2.25 |
| 11 top | 0.16 | -3.66 | 0.00 | 0.00 | -10.31 | -1.78 |
| 11 a | 0.14 | -3.07 | 0.00 | 0.00 | -8.88 | -1.59 |
| 11 b | 0.06 | -0.88 | 0.00 | 0.00 | -4.18 | -0.91 |
| 12 top | 9.36 | -3.96 | 0.00 | 0.00 | -10.72 | -1.14 |
| 12 a | 8.46 | -3.45 | 0.00 | 0.00 | -9.41 | -1.00 |
| 12 b | 5.28 | -1.55 | 0.00 | 0.00 | -5.15 | -0.49 |
| 13 top | 3.52 | -2.69 | 0.00 | 0.00 | -6.13 | -1.44 |
| 13 a | 2.95 | -2.30 | 0.00 | 0.00 | -5.35 | -1.29 |
| 13 b | 0.96 | -0.82 | 0.00 | 0.00 | -2.81 | -0.54 |
| 14 top | 1.11 | -3.43 | 0.00 | 0.00 | -5.98 | -1.94 |
| 14 a | 1.13 | -2.96 | 0.00 | 0.00 | -5.25 | -1.72 |
| 14 b | 1.21 | -1.23 | 0.00 | 0.00 | -2.96 | -0.94 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 1
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | RIGHT | 51 | 51 |
| 2 | LEFT | 51 | 51 |
| 2 | A | 51 | 49 |
| 2 | B | 51 | 49 |
| 2 | C | 51 | 47 |
| 2 | RIGHT | 51 | 47 |
| 3 | LEFT | 51 | 41 |
| 3 | A | 51 | 37 |
| 3 | B | 51 | 49 |
| 3 | C | 51 | 41 |
| 3 | RIGHT | 51 | 51 |
| 4 | LEFT | 51 | 51 |
| 4 | A | 51 | 51 |
| 4 | B | 51 | 35 |
| 4 | C | 51 | 47 |
| 4 | RIGHT | 51 | 51 |
| 5 | LEFT | 51 | 51 |
| 5 | A | 51 | 51 |
| 5 | B | 51 | 49 |
| 5 | C | 51 | 47 |
| 5 | RIGHT | 51 | 51 |
| 6 | LEFT | 51 | 51 |
| 6 | A | 51 | 51 |
| 6 | B | 51 | 51 |
| 7 | A | 35 | 49 |
| 7 | B | 29 | 47 |
| 7 | C | 29 | 33 |
| 8 | A | 37 | 31 |
| 8 | B | 31 | 37 |
| 8 | C | 27 | 33 |
| 9 | A | 41 | 47 |
| 9 | B | 29 | 47 |
| 9 | C | 25 | 35 |
| 10 | TOP | 51 | 51 |
| 10 | A | 51 | 51 |
| 10 | B | 29 | 51 |
| 11 | TOP | 51 | 51 |
| 11 | A | 51 | 51 |
| 11 | B | 31 | 51 |
| 12 | TOP | 51 | 51 |
| 12 | A | 51 | 51 |
| 12 | B | 31 | 51 |
| 13 | TOP | 51 | 51 |
| 13 | A | 51 | 51 |
| 13 | B | 31 | 51 |
| 14 | TOP | 51 | 51 |
| 14 | A | 51 | 51 |
| 14 | B | 33 | 51 |

1_IV_A_S2_EL.OUT 9/11/2009

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 1
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.07326 | -7.68434 | 0.00030 | 0.03681 |
| 2 | 5.208 | -0.02714 | -2.48062 | 0.00038 | 0.03588 |
| 3 | 7.708 | 0.00468 | 0.01747 | 0.00045 | 0.03545 |
| 4 | 10.208 | 0.00051 | 0.01526 | 0.00057 | 0.03504 |
| 5 | 10.792 | 0.00015 | 0.01477 | 0.00062 | 0.03495 |
| 6 | 11.375 | -0.00015 | 0.01427 | 0.00068 | 0.03487 |
| 7 | 16.375 | -0.00116 | 0.00922 | 0.00073 | 0.03596 |
| 8 | 19.250 | -0.00093 | 0.00582 | 0.00057 | 0.03811 |
| 9 | 22.125 | -0.00047 | 0.00273 | 0.00038 | 0.04038 |
| 10 | 27.125 | -0.00005 | -0.00103 | 0.00025 | 0.04205 |
| 11 | 27.708 | -0.00003 | -0.00135 | 0.00024 | 0.04204 |
| 12 | 28.292 | -0.00002 | -0.00166 | 0.00024 | 0.04203 |
| 13 | 33.292 | 0.00006 | -0.00319 | 0.00024 | 0.04232 |
| 14 | 36.167 | 0.00005 | -0.00307 | 0.00024 | 0.04258 |
| 15 | 39.042 | 0.00002 | -0.00265 | 0.00024 | 0.04227 |
| 16 | 44.042 | -0.00001 | -0.00292 | 0.00023 | 0.04017 |
| 17 | 44.625 | -0.00001 | -0.00306 | 0.00023 | 0.03983 |
| 18 | 45.208 | -0.00001 | -0.00320 | 0.00023 | 0.03948 |
| 19 | 50.208 | -0.00003 | -0.00416 | 0.00021 | 0.03548 |
| 20 | 54.941 | -0.00003 | -0.00442 | 0.00017 | 0.02977 |
| 21 | 59.674 | -0.00003 | -0.00417 | 0.00014 | 0.02439 |
| 22 | 64.674 | -0.00002 | -0.00390 | 0.00012 | 0.02115 |
| 23 | 65.257 | -0.00002 | -0.00388 | 0.00012 | 0.02089 |
| 24 | 65.840 | -0.00002 | -0.00386 | 0.00011 | 0.02064 |
| 25 | 70.840 | -0.00002 | -0.00371 | 0.00010 | 0.01906 |
| 26 | 73.174 | -0.00002 | -0.00366 | 0.00010 | 0.01870 |
| 27 | 75.507 | -0.00002 | -0.00363 | 0.00010 | 0.01858 |
| 28 | 80.507 | -0.00002 | -0.00357 | 0.00010 | 0.01819 |
| 29 | 81.090 | -0.00002 | -0.00357 | 0.00010 | 0.01811 |
| 30 | 81.674 | -0.00002 | -0.00356 | 0.00010 | 0.01803 |
| 31 | 84.507 | -0.00002 | -0.00352 | 0.00010 | 0.01764 |
| 32 | 87.340 | -0.00002 | -0.00349 | 0.00010 | 0.01726 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 2
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.09118 | -10.14537 | 0.00089 | 0.06923 |
| 2 | 5.208 | -0.05034 | -4.94885 | 0.00109 | 0.06755 |
| 3 | 7.708 | -0.02714 | -2.45445 | 0.00126 | 0.06679 |
| 4 | 10.208 | 0.00312 | 0.04019 | 0.00158 | 0.06605 |
| 5 | 10.792 | 0.00081 | 0.03885 | 0.00172 | 0.06589 |
| 6 | 11.375 | -0.00082 | 0.03750 | 0.00184 | 0.06574 |
| 7 | 16.375 | -0.00447 | 0.02425 | 0.00164 | 0.06775 |
| 8 | 19.250 | -0.00344 | 0.01533 | 0.00121 | 0.07166 |
| 9 | 22.125 | -0.00171 | 0.00719 | 0.00078 | 0.07583 |
| 10 | 27.125 | -0.00017 | -0.00272 | 0.00048 | 0.07886 |
| 11 | 27.708 | -0.00010 | -0.00357 | 0.00047 | 0.07885 |
| 12 | 28.292 | -0.00004 | -0.00439 | 0.00047 | 0.07883 |
| 13 | 33.292 | 0.00020 | -0.00849 | 0.00045 | 0.07934 |
| 14 | 36.167 | 0.00018 | -0.00823 | 0.00045 | 0.07980 |
| 15 | 39.042 | 0.00009 | -0.00717 | 0.00045 | 0.07922 |
| 16 | 44.042 | -0.00002 | -0.00793 | 0.00044 | 0.07533 |
| 17 | 44.625 | -0.00003 | -0.00829 | 0.00043 | 0.07470 |
| 18 | 45.208 | -0.00004 | -0.00865 | 0.00043 | 0.07405 |
| 19 | 50.208 | -0.00008 | -0.01118 | 0.00040 | 0.06666 |
| 20 | 54.941 | -0.00009 | -0.01184 | 0.00033 | 0.05613 |
| 21 | 59.674 | -0.00007 | -0.01114 | 0.00026 | 0.04621 |
| 22 | 64.674 | -0.00006 | -0.01043 | 0.00022 | 0.04024 |
| 23 | 65.257 | -0.00006 | -0.01037 | 0.00022 | 0.03977 |
| 24 | 65.840 | -0.00006 | -0.01031 | 0.00022 | 0.03932 |
| 25 | 70.840 | -0.00006 | -0.00991 | 0.00020 | 0.03639 |
| 26 | 73.174 | -0.00006 | -0.00978 | 0.00020 | 0.03573 |
| 27 | 75.507 | -0.00006 | -0.00970 | 0.00020 | 0.03548 |
| 28 | 80.507 | -0.00006 | -0.00955 | 0.00019 | 0.03475 |
| 29 | 81.090 | -0.00006 | -0.00953 | 0.00019 | 0.03461 |
| 30 | 81.674 | -0.00006 | -0.00951 | 0.00019 | 0.03446 |
| 31 | 84.507 | -0.00006 | -0.00941 | 0.00019 | 0.03376 |
| 32 | 87.340 | -0.00005 | -0.00932 | 0.00019 | 0.03307 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 3
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.09541 | -10.71460 | 0.00113 | 0.07889 |
| 2 | 5.208 | -0.05578 | -5.52070 | 0.00139 | 0.07700 |
| 3 | 7.708 | -0.03385 | -3.02759 | 0.00164 | 0.07614 |
| 4 | 10.208 | -0.00684 | -0.53428 | 0.00209 | 0.07532 |
| 5 | 10.792 | 0.00145 | 0.04762 | 0.00227 | 0.07513 |
| 6 | 11.375 | -0.00119 | 0.04596 | 0.00242 | 0.07496 |
| 7 | 16.375 | -0.00609 | 0.02973 | 0.00197 | 0.07723 |
| 8 | 19.250 | -0.00459 | 0.01881 | 0.00143 | 0.08166 |
| 9 | 22.125 | -0.00226 | 0.00884 | 0.00091 | 0.08637 |
| 10 | 27.125 | -0.00022 | -0.00331 | 0.00055 | 0.08980 |
| 11 | 27.708 | -0.00013 | -0.00435 | 0.00054 | 0.08979 |
| 12 | 28.292 | -0.00005 | -0.00535 | 0.00054 | 0.08976 |
| 13 | 33.292 | 0.00027 | -0.01039 | 0.00051 | 0.09034 |
| 14 | 36.167 | 0.00023 | -0.01009 | 0.00051 | 0.09086 |
| 15 | 39.042 | 0.00012 | -0.00881 | 0.00051 | 0.09020 |
| 16 | 44.042 | -0.00003 | -0.00975 | 0.00050 | 0.08578 |
| 17 | 44.625 | -0.00004 | -0.01018 | 0.00050 | 0.08506 |
| 18 | 45.208 | -0.00005 | -0.01063 | 0.00049 | 0.08432 |
| 19 | 50.208 | -0.00010 | -0.01373 | 0.00045 | 0.07594 |
| 20 | 54.941 | -0.00011 | -0.01453 | 0.00038 | 0.06400 |
| 21 | 59.674 | -0.00009 | -0.01367 | 0.00030 | 0.05275 |
| 22 | 64.674 | -0.00008 | -0.01280 | 0.00026 | 0.04599 |
| 23 | 65.257 | -0.00007 | -0.01273 | 0.00025 | 0.04546 |
| 24 | 65.840 | -0.00007 | -0.01266 | 0.00025 | 0.04495 |
| 25 | 70.840 | -0.00007 | -0.01216 | 0.00023 | 0.04163 |
| 26 | 73.174 | -0.00007 | -0.01200 | 0.00023 | 0.04087 |
| 27 | 75.507 | -0.00007 | -0.01190 | 0.00022 | 0.04058 |
| 28 | 80.507 | -0.00007 | -0.01172 | 0.00022 | 0.03976 |
| 29 | 81.090 | -0.00007 | -0.01169 | 0.00022 | 0.03960 |
| 30 | 81.674 | -0.00007 | -0.01167 | 0.00022 | 0.03943 |
| 31 | 84.507 | -0.00007 | -0.01155 | 0.00022 | 0.03864 |
| 32 | 87.340 | -0.00007 | -0.01144 | 0.00022 | 0.03786 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 4
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.01214 | 0.23468 | 0.01254 | 1.57392 |
| 2 | 5.208 | -0.00038 | 1.60661 | 0.00922 | 1.07384 |
| 3 | 7.708 | 0.00667 | 2.26401 | 0.00756 | 0.83368 |
| 4 | 10.208 | 0.01660 | 2.92084 | 0.00571 | 0.59344 |
| 5 | 10.792 | 0.02014 | 3.07406 | 0.00515 | 0.53736 |
| 6 | 11.375 | 0.01274 | 2.64653 | 0.00455 | 0.48157 |
| 7 | 16.375 | -0.01741 | -0.52554 | 0.00072 | 0.05573 |
| 8 | 19.250 | -0.02106 | -1.62325 | -0.00060 | -0.10472 |
| 9 | 22.125 | -0.01729 | -1.89903 | -0.00105 | -0.16018 |
| 10 | 27.125 | -0.01036 | -1.61722 | -0.00093 | -0.14484 |
| 11 | 27.708 | -0.00980 | -1.56920 | -0.00088 | -0.13990 |
| 12 | 28.292 | -0.00928 | -1.52164 | -0.00084 | -0.13494 |
| 13 | 33.292 | -0.00657 | -1.23896 | -0.00062 | -0.10769 |
| 14 | 36.167 | -0.00634 | -1.18121 | -0.00061 | -0.10338 |
| 15 | 39.042 | -0.00646 | -1.13434 | -0.00060 | -0.09695 |
| 16 | 44.042 | -0.00546 | -0.89649 | -0.00041 | -0.06071 |
| 17 | 44.625 | -0.00524 | -0.85491 | -0.00037 | -0.05449 |
| 18 | 45.208 | -0.00500 | -0.81270 | -0.00033 | -0.04819 |
| 19 | 50.208 | -0.00307 | -0.47787 | -0.00004 | -0.00071 |
| 20 | 54.941 | -0.00171 | -0.25901 | 0.00012 | 0.02397 |
| 21 | 59.674 | -0.00108 | -0.16950 | 0.00014 | 0.02776 |
| 22 | 64.674 | -0.00088 | -0.14349 | 0.00013 | 0.02534 |
| 23 | 65.257 | -0.00086 | -0.14168 | 0.00013 | 0.02511 |
| 24 | 65.840 | -0.00085 | -0.13994 | 0.00013 | 0.02488 |
| 25 | 70.840 | -0.00076 | -0.12808 | 0.00012 | 0.02350 |
| 26 | 73.174 | -0.00074 | -0.12483 | 0.00012 | 0.02326 |
| 27 | 75.507 | -0.00073 | -0.12288 | 0.00012 | 0.02328 |
| 28 | 80.507 | -0.00071 | -0.11793 | 0.00012 | 0.02320 |
| 29 | 81.090 | -0.00070 | -0.11715 | 0.00012 | 0.02316 |
| 30 | 81.674 | -0.00070 | -0.11636 | 0.00012 | 0.02311 |
| 31 | 84.507 | -0.00067 | -0.11253 | 0.00012 | 0.02290 |
| 32 | 87.340 | -0.00065 | -0.10871 | 0.00012 | 0.02271 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 5
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.00955 | 0.17247 | 0.01197 | 1.52929 |
| 2 | 5.208 | 0.00138 | 1.47601 | 0.00863 | 1.03620 |
| 3 | 7.708 | 0.00775 | 2.10069 | 0.00693 | 0.79938 |
| 4 | 10.208 | 0.01586 | 2.72480 | 0.00501 | 0.56248 |
| 5 | 10.792 | 0.01835 | 2.87038 | 0.00448 | 0.50719 |
| 6 | 11.375 | 0.02143 | 3.01858 | 0.00392 | 0.45219 |
| 7 | 16.375 | -0.01389 | -0.23206 | 0.00039 | 0.03406 |
| 8 | 19.250 | -0.01878 | -1.38346 | -0.00081 | -0.12139 |
| 9 | 22.125 | -0.01582 | -1.70975 | -0.00118 | -0.17219 |
| 10 | 27.125 | -0.00958 | -1.49306 | -0.00096 | -0.15058 |
| 11 | 27.708 | -0.00907 | -1.45092 | -0.00091 | -0.14505 |
| 12 | 28.292 | -0.00860 | -1.40906 | -0.00086 | -0.13951 |
| 13 | 33.292 | -0.00616 | -1.16318 | -0.00061 | -0.10868 |
| 14 | 36.167 | -0.00598 | -1.11467 | -0.00060 | -0.10357 |
| 15 | 39.042 | -0.00610 | -1.07164 | -0.00060 | -0.09678 |
| 16 | 44.042 | -0.00516 | -0.84794 | -0.00040 | -0.05874 |
| 17 | 44.625 | -0.00495 | -0.80896 | -0.00036 | -0.05218 |
| 18 | 45.208 | -0.00473 | -0.76940 | -0.00031 | -0.04554 |
| 19 | 50.208 | -0.00292 | -0.45523 | -0.00001 | 0.00428 |
| 20 | 54.941 | -0.00164 | -0.24903 | 0.00015 | 0.02961 |
| 21 | 59.674 | -0.00104 | -0.16393 | 0.00017 | 0.03279 |
| 22 | 64.674 | -0.00085 | -0.13885 | 0.00015 | 0.02973 |
| 23 | 65.257 | -0.00083 | -0.13711 | 0.00015 | 0.02944 |
| 24 | 65.840 | -0.00082 | -0.13543 | 0.00015 | 0.02917 |
| 25 | 70.840 | -0.00074 | -0.12399 | 0.00014 | 0.02747 |
| 26 | 73.174 | -0.00072 | -0.12085 | 0.00014 | 0.02717 |
| 27 | 75.507 | -0.00071 | -0.11898 | 0.00014 | 0.02717 |
| 28 | 80.507 | -0.00068 | -0.11429 | 0.00014 | 0.02706 |
| 29 | 81.090 | -0.00068 | -0.11355 | 0.00014 | 0.02700 |
| 30 | 81.674 | -0.00068 | -0.11280 | 0.00014 | 0.02694 |
| 31 | 84.507 | -0.00065 | -0.10918 | 0.00014 | 0.02668 |
| 32 | 87.340 | -0.00063 | -0.10556 | 0.00014 | 0.02643 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 6
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.00538 | -0.42247 | 0.00832 | 1.17446 |
| 2 | 5.208 | 0.00006 | 0.30703 | 0.00531 | 0.74093 |
| 3 | 7.708 | 0.00292 | 0.65691 | 0.00378 | 0.53265 |
| 4 | 10.208 | 0.00601 | 1.00662 | 0.00216 | 0.32425 |
| 5 | 10.792 | 0.00678 | 1.08820 | 0.00177 | 0.27560 |
| 6 | 11.375 | 0.00759 | 1.17170 | 0.00138 | 0.22731 |
| 7 | 16.375 | 0.02316 | 2.26176 | -0.00119 | -0.12457 |
| 8 | 19.250 | 0.00177 | 0.65794 | -0.00187 | -0.23607 |
| 9 | 22.125 | -0.00265 | -0.09398 | -0.00179 | -0.24575 |
| 10 | 27.125 | -0.00284 | -0.42584 | -0.00104 | -0.16972 |
| 11 | 27.708 | -0.00278 | -0.43315 | -0.00094 | -0.15911 |
| 12 | 28.292 | -0.00273 | -0.43929 | -0.00083 | -0.14863 |
| 13 | 33.292 | -0.00278 | -0.50382 | -0.00032 | -0.08696 |
| 14 | 36.167 | -0.00300 | -0.53420 | -0.00030 | -0.07492 |
| 15 | 39.042 | -0.00307 | -0.52435 | -0.00034 | -0.06517 |
| 16 | 44.042 | -0.00256 | -0.41956 | -0.00011 | -0.01288 |
| 17 | 44.625 | -0.00246 | -0.40235 | -0.00006 | -0.00365 |
| 18 | 45.208 | -0.00236 | -0.38493 | 0.00000 | 0.00569 |
| 19 | 50.208 | -0.00152 | -0.24415 | 0.00040 | 0.07322 |
| 20 | 54.941 | -0.00091 | -0.14588 | 0.00056 | 0.10066 |
| 21 | 59.674 | -0.00061 | -0.10003 | 0.00052 | 0.09546 |
| 22 | 64.674 | -0.00051 | -0.08429 | 0.00046 | 0.08498 |
| 23 | 65.257 | -0.00050 | -0.08320 | 0.00045 | 0.08410 |
| 24 | 65.840 | -0.00049 | -0.08216 | 0.00045 | 0.08325 |
| 25 | 70.840 | -0.00044 | -0.07499 | 0.00042 | 0.07788 |
| 26 | 73.174 | -0.00043 | -0.07302 | 0.00041 | 0.07681 |
| 27 | 75.507 | -0.00043 | -0.07195 | 0.00041 | 0.07660 |
| 28 | 80.507 | -0.00041 | -0.06966 | 0.00041 | 0.07586 |
| 29 | 81.090 | -0.00041 | -0.06930 | 0.00041 | 0.07566 |
| 30 | 81.674 | -0.00041 | -0.06894 | 0.00041 | 0.07545 |
| 31 | 84.507 | -0.00040 | -0.06719 | 0.00041 | 0.07447 |
| 32 | 87.340 | -0.00039 | -0.06545 | 0.00041 | 0.07353 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 7
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.00565 | -0.78701 | 0.00679 | 0.98929 |
| 2 | 5.208 | -0.00288 | -0.38333 | 0.00405 | 0.58966 |
| 3 | 7.708 | -0.00149 | -0.18944 | 0.00267 | 0.39761 |
| 4 | 10.208 | -0.00005 | 0.00452 | 0.00123 | 0.20543 |
| 5 | 10.792 | 0.00029 | 0.04979 | 0.00088 | 0.16057 |
| 6 | 11.375 | 0.00065 | 0.09659 | 0.00053 | 0.11609 |
| 7 | 16.375 | 0.00707 | 0.81263 | -0.00169 | -0.19753 |
| 8 | 19.250 | 0.02251 | 1.82806 | -0.00217 | -0.28329 |
| 9 | 22.125 | 0.00718 | 0.83471 | -0.00192 | -0.26880 |
| 10 | 27.125 | 0.00121 | 0.19146 | -0.00090 | -0.16113 |
| 11 | 27.708 | 0.00093 | 0.15603 | -0.00077 | -0.14761 |
| 12 | 28.292 | 0.00067 | 0.12256 | -0.00063 | -0.13431 |
| 13 | 33.292 | -0.00106 | -0.11908 | 0.00002 | -0.05481 |
| 14 | 36.167 | -0.00148 | -0.19506 | 0.00002 | -0.03867 |
| 15 | 39.042 | -0.00141 | -0.20493 | -0.00006 | -0.02729 |
| 16 | 44.042 | -0.00104 | -0.16883 | 0.00017 | 0.03254 |
| 17 | 44.625 | -0.00101 | -0.16407 | 0.00023 | 0.04319 |
| 18 | 45.208 | -0.00097 | -0.15932 | 0.00030 | 0.05396 |
| 19 | 50.208 | -0.00067 | -0.11786 | 0.00074 | 0.13029 |
| 20 | 54.941 | -0.00045 | -0.08168 | 0.00088 | 0.15691 |
| 21 | 59.674 | -0.00033 | -0.05868 | 0.00079 | 0.14493 |
| 22 | 64.674 | -0.00028 | -0.04853 | 0.00070 | 0.12901 |
| 23 | 65.257 | -0.00028 | -0.04784 | 0.00070 | 0.12770 |
| 24 | 65.840 | -0.00028 | -0.04719 | 0.00069 | 0.12643 |
| 25 | 70.840 | -0.00025 | -0.04261 | 0.00065 | 0.11835 |
| 26 | 73.174 | -0.00025 | -0.04136 | 0.00064 | 0.11667 |
| 27 | 75.507 | -0.00024 | -0.04080 | 0.00063 | 0.11625 |
| 28 | 80.507 | -0.00024 | -0.03996 | 0.00063 | 0.11497 |
| 29 | 81.090 | -0.00023 | -0.03983 | 0.00063 | 0.11465 |
| 30 | 81.674 | -0.00023 | -0.03970 | 0.00063 | 0.11433 |
| 31 | 84.507 | -0.00023 | -0.03907 | 0.00063 | 0.11280 |
| 32 | 87.340 | -0.00023 | -0.03845 | 0.00063 | 0.11132 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 8
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.00809 | -1.80998 | 0.00322 | 0.51542 |
| 2 | 5.208 | -0.01268 | -2.37094 | 0.00125 | 0.21395 |
| 3 | 7.708 | -0.01510 | -2.63892 | 0.00029 | 0.06891 |
| 4 | 10.208 | -0.01773 | -2.90614 | -0.00069 | -0.07632 |
| 5 | 10.792 | -0.01839 | -2.96839 | -0.00093 | -0.11024 |
| 6 | 11.375 | -0.01906 | -3.03024 | -0.00115 | -0.14366 |
| 7 | 16.375 | -0.02699 | -3.42170 | -0.00231 | -0.34608 |
| 8 | 19.250 | -0.03101 | -3.16547 | -0.00205 | -0.35663 |
| 9 | 22.125 | -0.02690 | -1.99905 | -0.00104 | -0.27139 |
| 10 | 27.125 | 0.00523 | 1.43325 | 0.00135 | -0.07113 |
| 11 | 27.708 | 0.01286 | 1.89774 | 0.00171 | -0.04910 |
| 12 | 28.292 | 0.00952 | 1.78304 | 0.00203 | -0.02753 |
| 13 | 33.292 | -0.00060 | 1.01259 | 0.00255 | 0.10479 |
| 14 | 36.167 | -0.00040 | 0.79770 | 0.00207 | 0.13389 |
| 15 | 39.042 | 0.00175 | 0.72569 | 0.00147 | 0.15074 |
| 16 | 44.042 | 0.00316 | 0.55462 | 0.00144 | 0.23210 |
| 17 | 44.625 | 0.00309 | 0.52227 | 0.00151 | 0.24674 |
| 18 | 45.208 | 0.00300 | 0.48932 | 0.00159 | 0.26152 |
| 19 | 50.208 | 0.00198 | 0.23588 | 0.00212 | 0.36099 |
| 20 | 54.941 | 0.00101 | 0.08974 | 0.00218 | 0.38056 |
| 21 | 59.674 | 0.00047 | 0.04765 | 0.00192 | 0.34385 |
| 22 | 64.674 | 0.00030 | 0.04299 | 0.00172 | 0.30875 |
| 23 | 65.257 | 0.00029 | 0.04263 | 0.00171 | 0.30589 |
| 24 | 65.840 | 0.00028 | 0.04228 | 0.00169 | 0.30313 |
| 25 | 70.840 | 0.00023 | 0.04016 | 0.00160 | 0.28533 |
| 26 | 73.174 | 0.00023 | 0.03962 | 0.00157 | 0.28138 |
| 27 | 75.507 | 0.00023 | 0.03891 | 0.00156 | 0.28009 |
| 28 | 80.507 | 0.00022 | 0.03575 | 0.00154 | 0.27645 |
| 29 | 81.090 | 0.00022 | 0.03523 | 0.00154 | 0.27567 |
| 30 | 81.674 | 0.00022 | 0.03471 | 0.00154 | 0.27488 |
| 31 | 84.507 | 0.00020 | 0.03217 | 0.00153 | 0.27112 |
| 32 | 87.340 | 0.00019 | 0.02963 | 0.00153 | 0.26744 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 9
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.00264 | 0.23906 | 0.00537 | 0.90561 |
| 2 | 5.208 | 0.00414 | 0.56094 | 0.00421 | 0.72088 |
| 3 | 7.708 | 0.00476 | 0.71685 | 0.00365 | 0.63190 |
| 4 | 10.208 | 0.00530 | 0.87363 | 0.00309 | 0.54274 |
| 5 | 10.792 | 0.00541 | 0.91033 | 0.00297 | 0.52190 |
| 6 | 11.375 | 0.00550 | 0.94625 | 0.00284 | 0.50130 |
| 7 | 16.375 | 0.00421 | 1.14453 | 0.00249 | 0.35953 |
| 8 | 19.250 | 0.00211 | 1.22765 | 0.00290 | 0.30215 |
| 9 | 22.125 | 0.00196 | 1.44888 | 0.00322 | 0.23656 |
| 10 | 27.125 | 0.01213 | 2.22640 | 0.00233 | 0.06039 |
| 11 | 27.708 | 0.01548 | 2.34190 | 0.00202 | 0.03507 |
| 12 | 28.292 | 0.00786 | 1.87828 | 0.00170 | 0.00930 |
| 13 | 33.292 | -0.02419 | -1.54466 | -0.00075 | -0.23416 |
| 14 | 36.167 | -0.02822 | -2.70205 | -0.00188 | -0.35505 |
| 15 | 39.042 | -0.02413 | -2.94532 | -0.00231 | -0.38399 |
| 16 | 44.042 | -0.01611 | -2.52779 | -0.00154 | -0.24062 |
| 17 | 44.625 | -0.01543 | -2.46279 | -0.00136 | -0.21303 |
| 18 | 45.208 | -0.01477 | -2.39731 | -0.00118 | -0.18506 |
| 19 | 50.208 | -0.00997 | -1.82323 | 0.00015 | 0.02628 |
| 20 | 54.941 | -0.00692 | -1.31390 | 0.00077 | 0.13674 |
| 21 | 59.674 | -0.00548 | -0.98340 | 0.00081 | 0.15374 |
| 22 | 64.674 | -0.00488 | -0.83387 | 0.00073 | 0.14200 |
| 23 | 65.257 | -0.00483 | -0.82357 | 0.00073 | 0.14080 |
| 24 | 65.840 | -0.00478 | -0.81370 | 0.00072 | 0.13964 |
| 25 | 70.840 | -0.00444 | -0.74383 | 0.00069 | 0.13335 |
| 26 | 73.174 | -0.00432 | -0.72362 | 0.00069 | 0.13294 |
| 27 | 75.507 | -0.00424 | -0.71348 | 0.00069 | 0.13372 |
| 28 | 80.507 | -0.00412 | -0.69791 | 0.00070 | 0.13369 |
| 29 | 81.090 | -0.00411 | -0.69575 | 0.00070 | 0.13340 |
| 30 | 81.674 | -0.00410 | -0.69356 | 0.00070 | 0.13309 |
| 31 | 84.507 | -0.00402 | -0.68296 | 0.00071 | 0.13168 |
| 32 | 87.340 | -0.00395 | -0.67238 | 0.00072 | 0.13035 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 10
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.00241 | 0.23494 | 0.00513 | 0.86476 |
| 2 | 5.208 | 0.00382 | 0.53093 | 0.00399 | 0.68354 |
| 3 | 7.708 | 0.00442 | 0.67433 | 0.00344 | 0.59627 |
| 4 | 10.208 | 0.00496 | 0.81853 | 0.00289 | 0.50883 |
| 5 | 10.792 | 0.00508 | 0.85230 | 0.00276 | 0.48840 |
| 6 | 11.375 | 0.00518 | 0.88533 | 0.00264 | 0.46819 |
| 7 | 16.375 | 0.00435 | 1.06643 | 0.00225 | 0.32914 |
| 8 | 19.250 | 0.00289 | 1.14367 | 0.00258 | 0.27293 |
| 9 | 22.125 | 0.00318 | 1.35408 | 0.00281 | 0.20881 |
| 10 | 27.125 | 0.01187 | 2.09365 | 0.00180 | 0.03666 |
| 11 | 27.708 | 0.01413 | 2.20339 | 0.00152 | 0.01192 |
| 12 | 28.292 | 0.01697 | 2.31730 | 0.00121 | -0.01327 |
| 13 | 33.292 | -0.02013 | -1.17068 | -0.00103 | -0.25064 |
| 14 | 36.167 | -0.02538 | -2.37802 | -0.00206 | -0.36712 |
| 15 | 39.042 | -0.02211 | -2.67404 | -0.00240 | -0.39150 |
| 16 | 44.042 | -0.01489 | -2.33318 | -0.00154 | -0.24139 |
| 17 | 44.625 | -0.01427 | -2.27569 | -0.00136 | -0.21313 |
| 18 | 45.208 | -0.01367 | -2.21764 | -0.00117 | -0.18449 |
| 19 | 50.208 | -0.00933 | -1.70623 | 0.00020 | 0.03210 |
| 20 | 54.941 | -0.00659 | -1.24687 | 0.00084 | 0.14580 |
| 21 | 59.674 | -0.00528 | -0.94465 | 0.00088 | 0.16380 |
| 22 | 64.674 | -0.00472 | -0.80625 | 0.00079 | 0.15198 |
| 23 | 65.257 | -0.00467 | -0.79667 | 0.00079 | 0.15075 |
| 24 | 65.840 | -0.00463 | -0.78748 | 0.00078 | 0.14957 |
| 25 | 70.840 | -0.00430 | -0.72219 | 0.00075 | 0.14317 |
| 26 | 73.174 | -0.00419 | -0.70310 | 0.00074 | 0.14277 |
| 27 | 75.507 | -0.00412 | -0.69330 | 0.00074 | 0.14357 |
| 28 | 80.507 | -0.00401 | -0.67815 | 0.00075 | 0.14343 |
| 29 | 81.090 | -0.00399 | -0.67609 | 0.00075 | 0.14312 |
| 30 | 81.674 | -0.00398 | -0.67399 | 0.00076 | 0.14278 |
| 31 | 84.507 | -0.00391 | -0.66385 | 0.00076 | 0.14123 |
| 32 | 87.340 | -0.00384 | -0.65374 | 0.00077 | 0.13978 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 11
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.00112 | 0.13267 | 0.00323 | 0.54307 |
| 2 | 5.208 | 0.00149 | 0.21768 | 0.00225 | 0.39149 |
| 3 | 7.708 | 0.00166 | 0.25904 | 0.00178 | 0.31858 |
| 4 | 10.208 | 0.00181 | 0.30072 | 0.00130 | 0.24556 |
| 5 | 10.792 | 0.00185 | 0.31050 | 0.00119 | 0.22851 |
| 6 | 11.375 | 0.00188 | 0.31999 | 0.00108 | 0.21165 |
| 7 | 16.375 | 0.00166 | 0.36614 | 0.00056 | 0.09492 |
| 8 | 19.250 | 0.00144 | 0.40148 | 0.00056 | 0.04772 |
| 9 | 22.125 | 0.00204 | 0.52726 | 0.00048 | -0.00466 |
| 10 | 27.125 | 0.00563 | 0.95301 | -0.00049 | -0.14312 |
| 11 | 27.708 | 0.00624 | 1.01468 | -0.00068 | -0.16298 |
| 12 | 28.292 | 0.00691 | 1.07913 | -0.00087 | -0.18318 |
| 13 | 33.292 | 0.02160 | 2.04347 | -0.00235 | -0.36829 |
| 14 | 36.167 | 0.00004 | 0.41175 | -0.00291 | -0.44659 |
| 15 | 39.042 | -0.00429 | -0.33321 | -0.00280 | -0.43140 |
| 16 | 44.042 | -0.00426 | -0.64462 | -0.00137 | -0.22316 |
| 17 | 44.625 | -0.00419 | -0.65092 | -0.00112 | -0.18911 |
| 18 | 45.208 | -0.00412 | -0.65595 | -0.00088 | -0.15474 |
| 19 | 50.208 | -0.00380 | -0.67829 | 0.00084 | 0.10671 |
| 20 | 54.941 | -0.00362 | -0.64793 | 0.00158 | 0.24767 |
| 21 | 59.674 | -0.00343 | -0.59126 | 0.00155 | 0.27349 |
| 22 | 64.674 | -0.00325 | -0.55057 | 0.00141 | 0.26032 |
| 23 | 65.257 | -0.00323 | -0.54732 | 0.00140 | 0.25880 |
| 24 | 65.840 | -0.00322 | -0.54416 | 0.00140 | 0.25732 |
| 25 | 70.840 | -0.00308 | -0.51941 | 0.00135 | 0.24953 |
| 26 | 73.174 | -0.00302 | -0.51023 | 0.00134 | 0.24913 |
| 27 | 75.507 | -0.00298 | -0.50359 | 0.00134 | 0.24997 |
| 28 | 80.507 | -0.00291 | -0.49241 | 0.00135 | 0.24860 |
| 29 | 81.090 | -0.00290 | -0.49117 | 0.00135 | 0.24800 |
| 30 | 81.674 | -0.00289 | -0.48993 | 0.00135 | 0.24737 |
| 31 | 84.507 | -0.00286 | -0.48392 | 0.00135 | 0.24443 |
| 32 | 87.340 | -0.00282 | -0.47794 | 0.00136 | 0.24162 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 12
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.00044 | 0.05721 | 0.00224 | 0.37667 |
| 2 | 5.208 | 0.00018 | 0.02273 | 0.00136 | 0.24188 |
| 3 | 7.708 | 0.00005 | 0.00630 | 0.00094 | 0.17709 |
| 4 | 10.208 | -0.00009 | -0.01007 | 0.00051 | 0.11225 |
| 5 | 10.792 | -0.00012 | -0.01388 | 0.00041 | 0.09711 |
| 6 | 11.375 | -0.00015 | -0.01771 | 0.00031 | 0.08213 |
| 7 | 16.375 | -0.00048 | -0.04712 | -0.00020 | -0.02235 |
| 8 | 19.250 | -0.00053 | -0.03442 | -0.00026 | -0.06495 |
| 9 | 22.125 | -0.00010 | 0.04438 | -0.00037 | -0.11115 |
| 10 | 27.125 | 0.00167 | 0.29270 | -0.00121 | -0.23077 |
| 11 | 27.708 | 0.00194 | 0.32711 | -0.00136 | -0.24785 |
| 12 | 28.292 | 0.00223 | 0.36348 | -0.00152 | -0.26519 |
| 13 | 33.292 | 0.00824 | 1.01649 | -0.00272 | -0.42027 |
| 14 | 36.167 | 0.02361 | 2.01904 | -0.00310 | -0.47651 |
| 15 | 39.042 | 0.00827 | 1.01827 | -0.00282 | -0.43841 |
| 16 | 44.042 | 0.00207 | 0.33484 | -0.00110 | -0.19658 |
| 17 | 44.625 | 0.00174 | 0.29210 | -0.00082 | -0.15918 |
| 18 | 45.208 | 0.00143 | 0.25104 | -0.00054 | -0.12152 |
| 19 | 50.208 | -0.00086 | -0.07685 | 0.00137 | 0.16578 |
| 20 | 54.941 | -0.00209 | -0.29357 | 0.00213 | 0.32239 |
| 21 | 59.674 | -0.00238 | -0.37950 | 0.00204 | 0.35255 |
| 22 | 64.674 | -0.00237 | -0.39602 | 0.00186 | 0.33834 |
| 23 | 65.257 | -0.00236 | -0.39649 | 0.00185 | 0.33661 |
| 24 | 65.840 | -0.00236 | -0.39687 | 0.00185 | 0.33494 |
| 25 | 70.840 | -0.00232 | -0.39601 | 0.00178 | 0.32614 |
| 26 | 73.174 | -0.00230 | -0.39275 | 0.00177 | 0.32570 |
| 27 | 75.507 | -0.00228 | -0.38804 | 0.00177 | 0.32650 |
| 28 | 80.507 | -0.00224 | -0.37930 | 0.00178 | 0.32421 |
| 29 | 81.090 | -0.00223 | -0.37855 | 0.00178 | 0.32341 |
| 30 | 81.674 | -0.00223 | -0.37782 | 0.00178 | 0.32258 |
| 31 | 84.507 | -0.00221 | -0.37426 | 0.00178 | 0.31868 |
| 32 | 87.340 | -0.00220 | -0.37073 | 0.00179 | 0.31491 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 13
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.00112 | -0.11928 | -0.00030 | -0.05224 |
| 2 | 5.208 | -0.00333 | -0.50636 | -0.00087 | -0.13714 |
| 3 | 7.708 | -0.00438 | -0.69334 | -0.00115 | -0.17781 |
| 4 | 10.208 | -0.00542 | -0.88105 | -0.00144 | -0.21842 |
| 5 | 10.792 | -0.00566 | -0.92495 | -0.00150 | -0.22789 |
| 6 | 11.375 | -0.00590 | -0.96808 | -0.00157 | -0.23728 |
| 7 | 16.375 | -0.00694 | -1.21894 | -0.00198 | -0.30642 |
| 8 | 19.250 | -0.00684 | -1.27117 | -0.00209 | -0.33681 |
| 9 | 22.125 | -0.00708 | -1.32953 | -0.00221 | -0.36637 |
| 10 | 27.125 | -0.00977 | -1.60502 | -0.00262 | -0.43219 |
| 11 | 27.708 | -0.01029 | -1.65134 | -0.00268 | -0.44117 |
| 12 | 28.292 | -0.01084 | -1.69807 | -0.00275 | -0.45021 |
| 13 | 33.292 | -0.01774 | -1.96763 | -0.00305 | -0.51832 |
| 14 | 36.167 | -0.02144 | -1.68126 | -0.00271 | -0.51085 |
| 15 | 39.042 | -0.01763 | -0.56697 | -0.00163 | -0.40625 |
| 16 | 44.042 | 0.01287 | 2.64200 | 0.00154 | -0.06565 |
| 17 | 44.625 | 0.02024 | 3.07418 | 0.00205 | -0.01831 |
| 18 | 45.208 | 0.01662 | 2.92570 | 0.00253 | 0.02916 |
| 19 | 50.208 | 0.00265 | 1.68390 | 0.00455 | 0.39433 |
| 20 | 54.941 | -0.00115 | 0.72027 | 0.00478 | 0.60057 |
| 21 | 59.674 | -0.00061 | 0.19788 | 0.00404 | 0.64677 |
| 22 | 64.674 | -0.00019 | 0.00529 | 0.00359 | 0.63061 |
| 23 | 65.257 | -0.00018 | -0.00654 | 0.00357 | 0.62830 |
| 24 | 65.840 | -0.00018 | -0.01774 | 0.00355 | 0.62604 |
| 25 | 70.840 | -0.00032 | -0.08976 | 0.00343 | 0.61461 |
| 26 | 73.174 | -0.00041 | -0.10434 | 0.00340 | 0.61420 |
| 27 | 75.507 | -0.00048 | -0.10506 | 0.00340 | 0.61492 |
| 28 | 80.507 | -0.00059 | -0.10218 | 0.00341 | 0.60919 |
| 29 | 81.090 | -0.00060 | -0.10271 | 0.00341 | 0.60767 |
| 30 | 81.674 | -0.00061 | -0.10330 | 0.00341 | 0.60611 |
| 31 | 84.507 | -0.00066 | -0.10618 | 0.00341 | 0.59867 |
| 32 | 87.340 | -0.00071 | -0.10907 | 0.00341 | 0.59140 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 14
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.01314 | 2.24596 | 0.00166 | 0.27280 |
| 2 | 5.208 | 0.01377 | 2.34350 | 0.00154 | 0.26533 |
| 3 | 7.708 | 0.01408 | 2.39059 | 0.00149 | 0.26203 |
| 4 | 10.208 | 0.01439 | 2.43785 | 0.00142 | 0.25892 |
| 5 | 10.792 | 0.01447 | 2.44890 | 0.00141 | 0.25822 |
| 6 | 11.375 | 0.01454 | 2.45980 | 0.00140 | 0.25746 |
| 7 | 16.375 | 0.01514 | 2.53142 | 0.00127 | 0.24083 |
| 8 | 19.250 | 0.01544 | 2.55671 | 0.00119 | 0.22203 |
| 9 | 22.125 | 0.01566 | 2.58576 | 0.00111 | 0.20038 |
| 10 | 27.125 | 0.01577 | 2.67346 | 0.00100 | 0.17145 |
| 11 | 27.708 | 0.01575 | 2.68662 | 0.00099 | 0.16894 |
| 12 | 28.292 | 0.01572 | 2.70007 | 0.00098 | 0.16635 |
| 13 | 33.292 | 0.01430 | 2.83987 | 0.00125 | 0.12569 |
| 14 | 36.167 | 0.01263 | 2.96801 | 0.00173 | 0.08743 |
| 15 | 39.042 | 0.01240 | 3.16410 | 0.00219 | 0.04976 |
| 16 | 44.042 | 0.02018 | 3.58789 | 0.00231 | 0.01198 |
| 17 | 44.625 | 0.02308 | 3.64017 | 0.00211 | 0.00986 |
| 18 | 45.208 | 0.01498 | 3.11060 | 0.00187 | 0.00783 |
| 19 | 50.208 | -0.02373 | -1.14164 | 0.00069 | -0.01720 |
| 20 | 54.941 | -0.03645 | -4.00825 | -0.00013 | -0.05539 |
| 21 | 59.674 | -0.03510 | -5.19286 | -0.00069 | -0.09185 |
| 22 | 64.674 | -0.03280 | -5.44244 | -0.00087 | -0.11315 |
| 23 | 65.257 | -0.03266 | -5.45033 | -0.00087 | -0.11476 |
| 24 | 65.840 | -0.03254 | -5.45700 | -0.00087 | -0.11624 |
| 25 | 70.840 | -0.03174 | -5.45514 | -0.00085 | -0.11661 |
| 26 | 73.174 | -0.03148 | -5.41283 | -0.00083 | -0.10904 |
| 27 | 75.507 | -0.03126 | -5.34825 | -0.00079 | -0.09939 |
| 28 | 80.507 | -0.03083 | -5.22502 | -0.00071 | -0.08871 |
| 29 | 81.090 | -0.03078 | -5.21420 | -0.00070 | -0.08867 |
| 30 | 81.674 | -0.03074 | -5.20361 | -0.00070 | -0.08869 |
| 31 | 84.507 | -0.03052 | -5.15237 | -0.00066 | -0.08869 |
| 32 | 87.340 | -0.03029 | -5.10133 | -0.00062 | -0.08854 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 15
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.01242 | 2.12048 | 0.00157 | 0.25937 |
| 2 | 5.208 | 0.01301 | 2.21343 | 0.00146 | 0.25178 |
| 3 | 7.708 | 0.01330 | 2.25831 | 0.00141 | 0.24844 |
| 4 | 10.208 | 0.01360 | 2.30334 | 0.00135 | 0.24527 |
| 5 | 10.792 | 0.01367 | 2.31387 | 0.00133 | 0.24456 |
| 6 | 11.375 | 0.01374 | 2.32427 | 0.00132 | 0.24379 |
| 7 | 16.375 | 0.01428 | 2.39226 | 0.00119 | 0.22738 |
| 8 | 19.250 | 0.01454 | 2.41585 | 0.00111 | 0.20903 |
| 9 | 22.125 | 0.01473 | 2.44263 | 0.00104 | 0.18795 |
| 10 | 27.125 | 0.01489 | 2.52428 | 0.00092 | 0.15977 |
| 11 | 27.708 | 0.01489 | 2.53659 | 0.00091 | 0.15731 |
| 12 | 28.292 | 0.01488 | 2.54917 | 0.00090 | 0.15479 |
| 13 | 33.292 | 0.01395 | 2.67897 | 0.00112 | 0.11523 |
| 14 | 36.167 | 0.01290 | 2.79880 | 0.00151 | 0.07806 |
| 15 | 39.042 | 0.01312 | 2.98530 | 0.00186 | 0.04142 |
| 16 | 44.042 | 0.01957 | 3.39370 | 0.00175 | 0.00450 |
| 17 | 44.625 | 0.02140 | 3.44436 | 0.00157 | 0.00241 |
| 18 | 45.208 | 0.02379 | 3.49660 | 0.00137 | 0.00040 |
| 19 | 50.208 | -0.01960 | -0.77279 | 0.00043 | -0.02449 |
| 20 | 54.941 | -0.03367 | -3.66192 | -0.00028 | -0.06271 |
| 21 | 59.674 | -0.03299 | -4.86849 | -0.00077 | -0.09919 |
| 22 | 64.674 | -0.03095 | -5.13380 | -0.00092 | -0.12033 |
| 23 | 65.257 | -0.03083 | -5.14312 | -0.00091 | -0.12192 |
| 24 | 65.840 | -0.03072 | -5.15121 | -0.00091 | -0.12337 |
| 25 | 70.840 | -0.03003 | -5.16115 | -0.00089 | -0.12314 |
| 26 | 73.174 | -0.02980 | -5.12380 | -0.00086 | -0.11510 |
| 27 | 75.507 | -0.02959 | -5.06345 | -0.00082 | -0.10497 |
| 28 | 80.507 | -0.02919 | -4.94811 | -0.00075 | -0.09364 |
| 29 | 81.090 | -0.02916 | -4.93817 | -0.00074 | -0.09356 |
| 30 | 81.674 | -0.02912 | -4.92847 | -0.00073 | -0.09355 |
| 31 | 84.507 | -0.02892 | -4.88147 | -0.00069 | -0.09337 |
| 32 | 87.340 | -0.02871 | -4.83467 | -0.00065 | -0.09305 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 16
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | 0.00581 | 0.98995 | 0.00100 | 0.16642 |
| 2 | 5.208 | 0.00616 | 1.04787 | 0.00090 | 0.15851 |
| 3 | 7.708 | 0.00634 | 1.07583 | 0.00086 | 0.15498 |
| 4 | 10.208 | 0.00652 | 1.10389 | 0.00081 | 0.15162 |
| 5 | 10.792 | 0.00656 | 1.11045 | 0.00079 | 0.15086 |
| 6 | 11.375 | 0.00660 | 1.11690 | 0.00078 | 0.15005 |
| 7 | 16.375 | 0.00687 | 1.15537 | 0.00068 | 0.13579 |
| 8 | 19.250 | 0.00695 | 1.16362 | 0.00062 | 0.12097 |
| 9 | 22.125 | 0.00700 | 1.17082 | 0.00055 | 0.10428 |
| 10 | 27.125 | 0.00711 | 1.20497 | 0.00044 | 0.08188 |
| 11 | 27.708 | 0.00712 | 1.21085 | 0.00042 | 0.07991 |
| 12 | 28.292 | 0.00714 | 1.21683 | 0.00041 | 0.07788 |
| 13 | 33.292 | 0.00705 | 1.27117 | 0.00040 | 0.04695 |
| 14 | 36.167 | 0.00702 | 1.32818 | 0.00045 | 0.01817 |
| 15 | 39.042 | 0.00759 | 1.44185 | 0.00045 | -0.01038 |
| 16 | 44.042 | 0.01029 | 1.73355 | 0.00011 | -0.04002 |
| 17 | 44.625 | 0.01074 | 1.77206 | 0.00004 | -0.04181 |
| 18 | 45.208 | 0.01123 | 1.81208 | -0.00004 | -0.04355 |
| 19 | 50.208 | 0.02309 | 2.41190 | -0.00053 | -0.06607 |
| 20 | 54.941 | -0.00882 | -0.65469 | -0.00090 | -0.10205 |
| 21 | 59.674 | -0.01440 | -2.03820 | -0.00112 | -0.13625 |
| 22 | 64.674 | -0.01473 | -2.43393 | -0.00112 | -0.15489 |
| 23 | 65.257 | -0.01476 | -2.45538 | -0.00110 | -0.15619 |
| 24 | 65.840 | -0.01479 | -2.47542 | -0.00109 | -0.15733 |
| 25 | 70.840 | -0.01505 | -2.58546 | -0.00099 | -0.15149 |
| 26 | 73.174 | -0.01508 | -2.59064 | -0.00096 | -0.13923 |
| 27 | 75.507 | -0.01502 | -2.56694 | -0.00093 | -0.12494 |
| 28 | 80.507 | -0.01488 | -2.52076 | -0.00085 | -0.10824 |
| 29 | 81.090 | -0.01487 | -2.51855 | -0.00084 | -0.10787 |
| 30 | 81.674 | -0.01487 | -2.51655 | -0.00083 | -0.10760 |
| 31 | 84.507 | -0.01485 | -2.50684 | -0.00078 | -0.10615 |
| 32 | 87.340 | -0.01482 | -2.49715 | -0.00072 | -0.10457 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 17
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.00067 | -0.11308 | 0.00064 | 0.10678 |
| 2 | 5.208 | -0.00051 | -0.08666 | 0.00056 | 0.09939 |
| 3 | 7.708 | -0.00043 | -0.07391 | 0.00051 | 0.09607 |
| 4 | 10.208 | -0.00036 | -0.06112 | 0.00047 | 0.09290 |
| 5 | 10.792 | -0.00034 | -0.05813 | 0.00046 | 0.09218 |
| 6 | 11.375 | -0.00032 | -0.05522 | 0.00045 | 0.09142 |
| 7 | 16.375 | -0.00024 | -0.04415 | 0.00037 | 0.07940 |
| 8 | 19.250 | -0.00028 | -0.05080 | 0.00032 | 0.06755 |
| 9 | 22.125 | -0.00035 | -0.06233 | 0.00026 | 0.05445 |
| 10 | 27.125 | -0.00043 | -0.07167 | 0.00016 | 0.03694 |
| 11 | 27.708 | -0.00044 | -0.07157 | 0.00015 | 0.03539 |
| 12 | 28.292 | -0.00044 | -0.07151 | 0.00014 | 0.03380 |
| 13 | 33.292 | -0.00062 | -0.08487 | 0.00008 | 0.01010 |
| 14 | 36.167 | -0.00069 | -0.08396 | 0.00006 | -0.01174 |
| 15 | 39.042 | -0.00042 | -0.03478 | 0.00000 | -0.03343 |
| 16 | 44.042 | 0.00087 | 0.15470 | -0.00027 | -0.05627 |
| 17 | 44.625 | 0.00107 | 0.18268 | -0.00032 | -0.05769 |
| 18 | 45.208 | 0.00129 | 0.21212 | -0.00037 | -0.05909 |
| 19 | 50.208 | 0.00530 | 0.69900 | -0.00071 | -0.07787 |
| 20 | 54.941 | 0.02646 | 2.21377 | -0.00099 | -0.10887 |
| 21 | 59.674 | 0.00516 | 0.67668 | -0.00114 | -0.13811 |
| 22 | 64.674 | 0.00100 | 0.16393 | -0.00104 | -0.15304 |
| 23 | 65.257 | 0.00077 | 0.13135 | -0.00101 | -0.15398 |
| 24 | 65.840 | 0.00055 | 0.10032 | -0.00098 | -0.15477 |
| 25 | 70.840 | -0.00080 | -0.10242 | -0.00083 | -0.14297 |
| 26 | 73.174 | -0.00105 | -0.14753 | -0.00081 | -0.12648 |
| 27 | 75.507 | -0.00106 | -0.15881 | -0.00081 | -0.10814 |
| 28 | 80.507 | -0.00108 | -0.17943 | -0.00074 | -0.08649 |
| 29 | 81.090 | -0.00110 | -0.18469 | -0.00072 | -0.08590 |
| 30 | 81.674 | -0.00113 | -0.19015 | -0.00071 | -0.08541 |
| 31 | 84.507 | -0.00126 | -0.21654 | -0.00064 | -0.08297 |
| 32 | 87.340 | -0.00139 | -0.24279 | -0.00058 | -0.08040 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 18
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.01465 | -2.48881 | 0.00033 | 0.05609 |
| 2 | 5.208 | -0.01490 | -2.52992 | 0.00028 | 0.05184 |
| 3 | 7.708 | -0.01502 | -2.54977 | 0.00026 | 0.04995 |
| 4 | 10.208 | -0.01515 | -2.56969 | 0.00024 | 0.04814 |
| 5 | 10.792 | -0.01518 | -2.57435 | 0.00023 | 0.04773 |
| 6 | 11.375 | -0.01521 | -2.57905 | 0.00023 | 0.04731 |
| 7 | 16.375 | -0.01553 | -2.62711 | 0.00018 | 0.04099 |
| 8 | 19.250 | -0.01580 | -2.66624 | 0.00016 | 0.03518 |
| 9 | 22.125 | -0.01612 | -2.71828 | 0.00013 | 0.02917 |
| 10 | 27.125 | -0.01667 | -2.82076 | 0.00008 | 0.02196 |
| 11 | 27.708 | -0.01673 | -2.83298 | 0.00008 | 0.02139 |
| 12 | 28.292 | -0.01679 | -2.84556 | 0.00007 | 0.02081 |
| 13 | 33.292 | -0.01744 | -3.00328 | 0.00002 | 0.01223 |
| 14 | 36.167 | -0.01793 | -3.12259 | -0.00001 | 0.00440 |
| 15 | 39.042 | -0.01847 | -3.21284 | -0.00005 | -0.00319 |
| 16 | 44.042 | -0.01949 | -3.24680 | -0.00014 | -0.01074 |
| 17 | 44.625 | -0.01963 | -3.24201 | -0.00015 | -0.01116 |
| 18 | 45.208 | -0.01979 | -3.23591 | -0.00016 | -0.01158 |
| 19 | 50.208 | -0.02220 | -3.00195 | -0.00019 | -0.01951 |
| 20 | 54.941 | -0.02370 | -1.83618 | 0.00000 | -0.03539 |
| 21 | 59.674 | -0.01115 | 1.00095 | 0.00043 | -0.04960 |
| 22 | 64.674 | 0.02738 | 5.21221 | 0.00137 | -0.05381 |
| 23 | 65.257 | 0.03547 | 5.73666 | 0.00159 | -0.05378 |
| 24 | 65.840 | 0.03255 | 5.67953 | 0.00177 | -0.05357 |
| 25 | 70.840 | 0.02511 | 5.25765 | 0.00143 | -0.02703 |
| 26 | 73.174 | 0.02543 | 5.11816 | 0.00096 | -0.00057 |
| 27 | 75.507 | 0.02686 | 5.02386 | 0.00050 | 0.02711 |
| 28 | 80.507 | 0.02835 | 4.84377 | 0.00015 | 0.06024 |
| 29 | 81.090 | 0.02835 | 4.82059 | 0.00017 | 0.06138 |
| 30 | 81.674 | 0.02833 | 4.79726 | 0.00018 | 0.06237 |
| 31 | 84.507 | 0.02814 | 4.68435 | 0.00025 | 0.06723 |
| 32 | 87.340 | 0.02785 | 4.57194 | 0.00032 | 0.07217 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 19
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 5 section left appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.00284 | -0.48316 | 0.00190 | 0.32320 |
| 2 | 5.208 | -0.00285 | -0.48550 | 0.00189 | 0.32422 |
| 3 | 7.708 | -0.00286 | -0.48665 | 0.00188 | 0.32486 |
| 4 | 10.208 | -0.00287 | -0.48783 | 0.00187 | 0.32561 |
| 5 | 10.792 | -0.00287 | -0.48811 | 0.00187 | 0.32579 |
| 6 | 11.375 | -0.00287 | -0.48841 | 0.00187 | 0.32597 |
| 7 | 16.375 | -0.00292 | -0.49423 | 0.00187 | 0.32535 |
| 8 | 19.250 | -0.00298 | -0.50164 | 0.00187 | 0.32376 |
| 9 | 22.125 | -0.00305 | -0.51258 | 0.00188 | 0.32322 |
| 10 | 27.125 | -0.00314 | -0.53325 | 0.00189 | 0.32691 |
| 11 | 27.708 | -0.00315 | -0.53559 | 0.00189 | 0.32766 |
| 12 | 28.292 | -0.00316 | -0.53802 | 0.00189 | 0.32844 |
| 13 | 33.292 | -0.00324 | -0.57099 | 0.00191 | 0.33646 |
| 14 | 36.167 | -0.00329 | -0.59382 | 0.00194 | 0.34151 |
| 15 | 39.042 | -0.00332 | -0.60199 | 0.00197 | 0.34498 |
| 16 | 44.042 | -0.00345 | -0.57306 | 0.00200 | 0.34630 |
| 17 | 44.625 | -0.00348 | -0.56691 | 0.00201 | 0.34613 |
| 18 | 45.208 | -0.00352 | -0.56022 | 0.00201 | 0.34586 |
| 19 | 50.208 | -0.00431 | -0.42419 | 0.00223 | 0.32613 |
| 20 | 54.941 | -0.00509 | 0.06241 | 0.00258 | 0.22400 |
| 21 | 59.674 | -0.00067 | 1.12345 | 0.00207 | -0.01737 |
| 22 | 64.674 | 0.01506 | 2.62663 | 0.00008 | -0.36869 |
| 23 | 65.257 | 0.01893 | 2.81153 | -0.00038 | -0.41221 |
| 24 | 65.840 | 0.01181 | 2.41589 | -0.00087 | -0.45552 |
| 25 | 70.840 | -0.01650 | -0.50626 | -0.00402 | -0.76792 |
| 26 | 73.174 | -0.01934 | -1.32761 | -0.00498 | -0.84713 |
| 27 | 75.507 | -0.01623 | -1.50292 | -0.00532 | -0.84861 |
| 28 | 80.507 | -0.00711 | -0.94730 | -0.00480 | -0.74237 |
| 29 | 81.090 | -0.00619 | -0.85078 | -0.00467 | -0.72641 |
| 30 | 81.674 | -0.00530 | -0.75307 | -0.00454 | -0.71032 |
| 31 | 84.507 | -0.00118 | -0.27836 | -0.00393 | -0.63213 |
| 32 | 87.340 | 0.00272 | 0.19646 | -0.00333 | -0.55393 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 20
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.00269 | -0.45719 | 0.00180 | 0.30655 |
| 2 | 5.208 | -0.00270 | -0.45952 | 0.00179 | 0.30740 |
| 3 | 7.708 | -0.00271 | -0.46066 | 0.00178 | 0.30796 |
| 4 | 10.208 | -0.00272 | -0.46183 | 0.00178 | 0.30862 |
| 5 | 10.792 | -0.00272 | -0.46211 | 0.00177 | 0.30878 |
| 6 | 11.375 | -0.00272 | -0.46240 | 0.00177 | 0.30894 |
| 7 | 16.375 | -0.00276 | -0.46803 | 0.00177 | 0.30827 |
| 8 | 19.250 | -0.00282 | -0.47511 | 0.00177 | 0.30674 |
| 9 | 22.125 | -0.00288 | -0.48551 | 0.00178 | 0.30623 |
| 10 | 27.125 | -0.00298 | -0.50510 | 0.00179 | 0.30974 |
| 11 | 27.708 | -0.00299 | -0.50732 | 0.00179 | 0.31045 |
| 12 | 28.292 | -0.00300 | -0.50961 | 0.00179 | 0.31119 |
| 13 | 33.292 | -0.00309 | -0.54082 | 0.00181 | 0.31886 |
| 14 | 36.167 | -0.00314 | -0.56256 | 0.00184 | 0.32369 |
| 15 | 39.042 | -0.00319 | -0.57072 | 0.00186 | 0.32695 |
| 16 | 44.042 | -0.00328 | -0.54465 | 0.00189 | 0.32793 |
| 17 | 44.625 | -0.00330 | -0.53900 | 0.00190 | 0.32773 |
| 18 | 45.208 | -0.00332 | -0.53286 | 0.00190 | 0.32743 |
| 19 | 50.208 | -0.00382 | -0.40705 | 0.00208 | 0.30784 |
| 20 | 54.941 | -0.00390 | 0.04722 | 0.00234 | 0.20801 |
| 21 | 59.674 | 0.00082 | 1.04304 | 0.00171 | -0.02734 |
| 22 | 64.674 | 0.01454 | 2.45767 | -0.00044 | -0.36962 |
| 23 | 65.257 | 0.01727 | 2.63180 | -0.00088 | -0.41201 |
| 24 | 65.840 | 0.02057 | 2.80877 | -0.00132 | -0.45419 |
| 25 | 70.840 | -0.01307 | -0.21351 | -0.00416 | -0.75713 |
| 26 | 73.174 | -0.01697 | -1.08572 | -0.00502 | -0.83203 |
| 27 | 75.507 | -0.01460 | -1.31237 | -0.00527 | -0.82910 |
| 28 | 80.507 | -0.00648 | -0.85935 | -0.00463 | -0.71292 |
| 29 | 81.090 | -0.00566 | -0.77402 | -0.00449 | -0.69576 |
| 30 | 81.674 | -0.00485 | -0.68745 | -0.00435 | -0.67847 |
| 31 | 84.507 | -0.00114 | -0.26686 | -0.00368 | -0.59445 |
| 32 | 87.340 | 0.00236 | 0.15385 | -0.00303 | -0.51042 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 21
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.00164 | -0.27872 | 0.00108 | 0.18437 |
| 2 | 5.208 | -0.00166 | -0.28166 | 0.00107 | 0.18426 |
| 3 | 7.708 | -0.00167 | -0.28308 | 0.00106 | 0.18431 |
| 4 | 10.208 | -0.00168 | -0.28452 | 0.00106 | 0.18442 |
| 5 | 10.792 | -0.00168 | -0.28485 | 0.00106 | 0.18445 |
| 6 | 11.375 | -0.00168 | -0.28520 | 0.00106 | 0.18448 |
| 7 | 16.375 | -0.00171 | -0.28962 | 0.00105 | 0.18362 |
| 8 | 19.250 | -0.00174 | -0.29405 | 0.00105 | 0.18258 |
| 9 | 22.125 | -0.00178 | -0.30022 | 0.00105 | 0.18226 |
| 10 | 27.125 | -0.00184 | -0.31197 | 0.00106 | 0.18440 |
| 11 | 27.708 | -0.00185 | -0.31333 | 0.00106 | 0.18483 |
| 12 | 28.292 | -0.00185 | -0.31473 | 0.00106 | 0.18528 |
| 13 | 33.292 | -0.00193 | -0.33311 | 0.00107 | 0.19017 |
| 14 | 36.167 | -0.00199 | -0.34655 | 0.00109 | 0.19321 |
| 15 | 39.042 | -0.00204 | -0.35436 | 0.00110 | 0.19476 |
| 16 | 44.042 | -0.00209 | -0.34890 | 0.00110 | 0.19332 |
| 17 | 44.625 | -0.00209 | -0.34698 | 0.00110 | 0.19288 |
| 18 | 45.208 | -0.00210 | -0.34484 | 0.00110 | 0.19236 |
| 19 | 50.208 | -0.00213 | -0.29436 | 0.00111 | 0.17454 |
| 20 | 54.941 | -0.00158 | -0.08972 | 0.00097 | 0.09478 |
| 21 | 59.674 | 0.00107 | 0.38110 | 0.00010 | -0.08843 |
| 22 | 64.674 | 0.00644 | 1.06500 | -0.00178 | -0.35261 |
| 23 | 65.257 | 0.00722 | 1.14969 | -0.00205 | -0.38525 |
| 24 | 65.840 | 0.00804 | 1.23662 | -0.00232 | -0.41767 |
| 25 | 70.840 | 0.02399 | 2.38050 | -0.00417 | -0.63918 |
| 26 | 73.174 | 0.00529 | 1.08228 | -0.00459 | -0.67692 |
| 27 | 75.507 | 0.00062 | 0.42483 | -0.00442 | -0.63604 |
| 28 | 80.507 | -0.00041 | 0.01654 | -0.00295 | -0.43421 |
| 29 | 81.090 | -0.00037 | 0.00804 | -0.00271 | -0.40670 |
| 30 | 81.674 | -0.00032 | 0.00115 | -0.00248 | -0.37905 |
| 31 | 84.507 | -0.00021 | -0.03224 | -0.00136 | -0.24470 |
| 32 | 87.340 | -0.00019 | -0.06556 | -0.00030 | -0.11033 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 22
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.00120 | -0.20382 | 0.00081 | 0.13773 |
| 2 | 5.208 | -0.00122 | -0.20717 | 0.00080 | 0.13738 |
| 3 | 7.708 | -0.00123 | -0.20879 | 0.00079 | 0.13728 |
| 4 | 10.208 | -0.00124 | -0.21041 | 0.00079 | 0.13724 |
| 5 | 10.792 | -0.00124 | -0.21079 | 0.00078 | 0.13723 |
| 6 | 11.375 | -0.00124 | -0.21118 | 0.00078 | 0.13723 |
| 7 | 16.375 | -0.00127 | -0.21513 | 0.00078 | 0.13638 |
| 8 | 19.250 | -0.00129 | -0.21836 | 0.00078 | 0.13554 |
| 9 | 22.125 | -0.00132 | -0.22264 | 0.00078 | 0.13529 |
| 10 | 27.125 | -0.00136 | -0.23101 | 0.00078 | 0.13690 |
| 11 | 27.708 | -0.00137 | -0.23201 | 0.00078 | 0.13722 |
| 12 | 28.292 | -0.00137 | -0.23303 | 0.00078 | 0.13755 |
| 13 | 33.292 | -0.00144 | -0.24590 | 0.00080 | 0.14130 |
| 14 | 36.167 | -0.00149 | -0.25573 | 0.00081 | 0.14358 |
| 15 | 39.042 | -0.00154 | -0.26337 | 0.00082 | 0.14444 |
| 16 | 44.042 | -0.00160 | -0.26689 | 0.00080 | 0.14215 |
| 17 | 44.625 | -0.00160 | -0.26660 | 0.00080 | 0.14165 |
| 18 | 45.208 | -0.00161 | -0.26621 | 0.00080 | 0.14107 |
| 19 | 50.208 | -0.00164 | -0.24865 | 0.00078 | 0.12444 |
| 20 | 54.941 | -0.00135 | -0.15536 | 0.00060 | 0.05445 |
| 21 | 59.674 | -0.00004 | 0.07710 | -0.00023 | -0.10402 |
| 22 | 64.674 | 0.00245 | 0.42582 | -0.00185 | -0.33134 |
| 23 | 65.257 | 0.00279 | 0.46937 | -0.00207 | -0.35939 |
| 24 | 65.840 | 0.00315 | 0.51488 | -0.00230 | -0.38722 |
| 25 | 70.840 | 0.01034 | 1.27424 | -0.00384 | -0.57043 |
| 26 | 73.174 | 0.02368 | 2.11314 | -0.00413 | -0.59075 |
| 27 | 75.507 | 0.01024 | 1.25633 | -0.00383 | -0.53209 |
| 28 | 80.507 | 0.00274 | 0.45005 | -0.00202 | -0.29003 |
| 29 | 81.090 | 0.00234 | 0.39823 | -0.00173 | -0.25766 |
| 30 | 81.674 | 0.00195 | 0.34820 | -0.00145 | -0.22512 |
| 31 | 84.507 | 0.00012 | 0.10522 | -0.00012 | -0.06709 |
| 32 | 87.340 | -0.00166 | -0.13770 | 0.00114 | 0.09095 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 23
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 5 section right appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.00033 | 0.05712 | 0.00011 | 0.01945 |
| 2 | 5.208 | 0.00030 | 0.05250 | 0.00011 | 0.01885 |
| 3 | 7.708 | 0.00029 | 0.05029 | 0.00011 | 0.01858 |
| 4 | 10.208 | 0.00028 | 0.04810 | 0.00010 | 0.01831 |
| 5 | 10.792 | 0.00027 | 0.04758 | 0.00010 | 0.01825 |
| 6 | 11.375 | 0.00027 | 0.04709 | 0.00010 | 0.01819 |
| 7 | 16.375 | 0.00026 | 0.04491 | 0.00010 | 0.01769 |
| 8 | 19.250 | 0.00027 | 0.04588 | 0.00010 | 0.01749 |
| 9 | 22.125 | 0.00028 | 0.04815 | 0.00010 | 0.01747 |
| 10 | 27.125 | 0.00030 | 0.05145 | 0.00010 | 0.01770 |
| 11 | 27.708 | 0.00030 | 0.05170 | 0.00010 | 0.01774 |
| 12 | 28.292 | 0.00030 | 0.05198 | 0.00010 | 0.01778 |
| 13 | 33.292 | 0.00031 | 0.05811 | 0.00010 | 0.01847 |
| 14 | 36.167 | 0.00031 | 0.06097 | 0.00010 | 0.01874 |
| 15 | 39.042 | 0.00027 | 0.05471 | 0.00010 | 0.01810 |
| 16 | 44.042 | 0.00014 | 0.02256 | 0.00008 | 0.01493 |
| 17 | 44.625 | 0.00012 | 0.01756 | 0.00007 | 0.01444 |
| 18 | 45.208 | 0.00010 | 0.01227 | 0.00007 | 0.01392 |
| 19 | 50.208 | -0.00017 | -0.07853 | 0.00002 | 0.00407 |
| 20 | 54.941 | -0.00134 | -0.35884 | -0.00016 | -0.02908 |
| 21 | 59.674 | -0.00484 | -0.93571 | -0.00061 | -0.09978 |
| 22 | 64.674 | -0.01108 | -1.73231 | -0.00131 | -0.19904 |
| 23 | 65.257 | -0.01196 | -1.82959 | -0.00141 | -0.21122 |
| 24 | 65.840 | -0.01286 | -1.92587 | -0.00150 | -0.22317 |
| 25 | 70.840 | -0.02186 | -2.48226 | -0.00190 | -0.27497 |
| 26 | 73.174 | -0.02502 | -2.31653 | -0.00159 | -0.23603 |
| 27 | 75.507 | -0.02241 | -1.52196 | -0.00061 | -0.11698 |
| 28 | 80.507 | 0.00515 | 1.30746 | 0.00302 | 0.26251 |
| 29 | 81.090 | 0.01224 | 1.69041 | 0.00360 | 0.31160 |
| 30 | 81.674 | 0.00839 | 1.49232 | 0.00414 | 0.36088 |
| 31 | 84.507 | -0.00415 | 0.53024 | 0.00613 | 0.60028 |
| 32 | 87.340 | -0.01411 | -0.43178 | 0.00799 | 0.83966 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 24
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 6 section left appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.00007 | -0.01162 | 0.00013 | 0.02187 |
| 2 | 5.208 | -0.00007 | -0.01183 | 0.00013 | 0.02215 |
| 3 | 7.708 | -0.00007 | -0.01193 | 0.00013 | 0.02230 |
| 4 | 10.208 | -0.00007 | -0.01203 | 0.00013 | 0.02246 |
| 5 | 10.792 | -0.00007 | -0.01206 | 0.00013 | 0.02250 |
| 6 | 11.375 | -0.00007 | -0.01208 | 0.00013 | 0.02254 |
| 7 | 16.375 | -0.00007 | -0.01232 | 0.00013 | 0.02259 |
| 8 | 19.250 | -0.00007 | -0.01250 | 0.00013 | 0.02243 |
| 9 | 22.125 | -0.00007 | -0.01271 | 0.00013 | 0.02231 |
| 10 | 27.125 | -0.00008 | -0.01308 | 0.00013 | 0.02254 |
| 11 | 27.708 | -0.00008 | -0.01312 | 0.00013 | 0.02260 |
| 12 | 28.292 | -0.00008 | -0.01316 | 0.00013 | 0.02266 |
| 13 | 33.292 | -0.00009 | -0.01369 | 0.00013 | 0.02318 |
| 14 | 36.167 | -0.00010 | -0.01425 | 0.00013 | 0.02358 |
| 15 | 39.042 | -0.00010 | -0.01511 | 0.00014 | 0.02424 |
| 16 | 44.042 | -0.00009 | -0.01688 | 0.00014 | 0.02583 |
| 17 | 44.625 | -0.00009 | -0.01709 | 0.00014 | 0.02603 |
| 18 | 45.208 | -0.00009 | -0.01731 | 0.00014 | 0.02624 |
| 19 | 50.208 | 0.00000 | -0.02003 | 0.00015 | 0.02843 |
| 20 | 54.941 | 0.00021 | -0.02201 | 0.00017 | 0.03132 |
| 21 | 59.674 | 0.00032 | -0.01685 | 0.00019 | 0.03424 |
| 22 | 64.674 | -0.00003 | -0.00257 | 0.00023 | 0.03648 |
| 23 | 65.257 | -0.00011 | -0.00057 | 0.00024 | 0.03669 |
| 24 | 65.840 | -0.00022 | 0.00145 | 0.00025 | 0.03690 |
| 25 | 70.840 | -0.00247 | 0.01944 | 0.00060 | 0.03808 |
| 26 | 73.174 | -0.00438 | 0.02843 | 0.00097 | 0.03829 |
| 27 | 75.507 | -0.00561 | 0.03792 | 0.00138 | 0.03843 |
| 28 | 80.507 | -0.00109 | 0.05870 | 0.00191 | 0.03927 |
| 29 | 81.090 | 0.00153 | 0.06117 | 0.00179 | 0.03942 |
| 30 | 81.674 | -0.00679 | -0.51980 | 0.00164 | 0.03958 |
| 31 | 84.507 | -0.03719 | -3.34156 | 0.00125 | 0.04034 |
| 32 | 87.340 | -0.06313 | -6.16309 | 0.00107 | 0.04112 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 25
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.00006 | -0.00938 | 0.00010 | 0.01758 |
| 2 | 5.208 | -0.00006 | -0.00955 | 0.00010 | 0.01781 |
| 3 | 7.708 | -0.00006 | -0.00963 | 0.00010 | 0.01793 |
| 4 | 10.208 | -0.00006 | -0.00971 | 0.00010 | 0.01806 |
| 5 | 10.792 | -0.00006 | -0.00973 | 0.00010 | 0.01809 |
| 6 | 11.375 | -0.00006 | -0.00975 | 0.00010 | 0.01812 |
| 7 | 16.375 | -0.00006 | -0.00994 | 0.00010 | 0.01815 |
| 8 | 19.250 | -0.00006 | -0.01009 | 0.00010 | 0.01802 |
| 9 | 22.125 | -0.00006 | -0.01026 | 0.00010 | 0.01792 |
| 10 | 27.125 | -0.00006 | -0.01055 | 0.00010 | 0.01810 |
| 11 | 27.708 | -0.00006 | -0.01058 | 0.00010 | 0.01815 |
| 12 | 28.292 | -0.00006 | -0.01062 | 0.00010 | 0.01820 |
| 13 | 33.292 | -0.00007 | -0.01104 | 0.00010 | 0.01862 |
| 14 | 36.167 | -0.00008 | -0.01150 | 0.00011 | 0.01894 |
| 15 | 39.042 | -0.00008 | -0.01219 | 0.00011 | 0.01948 |
| 16 | 44.042 | -0.00008 | -0.01362 | 0.00011 | 0.02076 |
| 17 | 44.625 | -0.00007 | -0.01379 | 0.00011 | 0.02092 |
| 18 | 45.208 | -0.00007 | -0.01396 | 0.00011 | 0.02109 |
| 19 | 50.208 | -0.00001 | -0.01616 | 0.00012 | 0.02286 |
| 20 | 54.941 | 0.00016 | -0.01777 | 0.00013 | 0.02518 |
| 21 | 59.674 | 0.00024 | -0.01364 | 0.00015 | 0.02753 |
| 22 | 64.674 | -0.00002 | -0.00217 | 0.00018 | 0.02933 |
| 23 | 65.257 | -0.00009 | -0.00056 | 0.00019 | 0.02950 |
| 24 | 65.840 | -0.00017 | 0.00106 | 0.00020 | 0.02967 |
| 25 | 70.840 | -0.00185 | 0.01553 | 0.00048 | 0.03063 |
| 26 | 73.174 | -0.00325 | 0.02276 | 0.00076 | 0.03080 |
| 27 | 75.507 | -0.00410 | 0.03040 | 0.00106 | 0.03092 |
| 28 | 80.507 | -0.00075 | 0.04711 | 0.00135 | 0.03160 |
| 29 | 81.090 | 0.00086 | 0.04909 | 0.00125 | 0.03172 |
| 30 | 81.674 | 0.00314 | 0.05108 | 0.00114 | 0.03185 |
| 31 | 84.507 | -0.03069 | -2.77308 | 0.00090 | 0.03247 |
| 32 | 87.340 | -0.05798 | -5.59692 | 0.00078 | 0.03310 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 26
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

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 | -0.00001 | -0.00231 | 0.00002 | 0.00393 |
| 2 | 5.208 | -0.00001 | -0.00235 | 0.00002 | 0.00398 |
| 3 | 7.708 | -0.00001 | -0.00237 | 0.00002 | 0.00401 |
| 4 | 10.208 | -0.00001 | -0.00239 | 0.00002 | 0.00404 |
| 5 | 10.792 | -0.00001 | -0.00239 | 0.00002 | 0.00404 |
| 6 | 11.375 | -0.00001 | -0.00240 | 0.00002 | 0.00405 |
| 7 | 16.375 | -0.00001 | -0.00244 | 0.00002 | 0.00406 |
| 8 | 19.250 | -0.00001 | -0.00248 | 0.00002 | 0.00402 |
| 9 | 22.125 | -0.00001 | -0.00252 | 0.00002 | 0.00399 |
| 10 | 27.125 | -0.00002 | -0.00259 | 0.00002 | 0.00403 |
| 11 | 27.708 | -0.00002 | -0.00260 | 0.00002 | 0.00404 |
| 12 | 28.292 | -0.00002 | -0.00261 | 0.00002 | 0.00405 |
| 13 | 33.292 | -0.00002 | -0.00271 | 0.00002 | 0.00415 |
| 14 | 36.167 | -0.00002 | -0.00282 | 0.00002 | 0.00422 |
| 15 | 39.042 | -0.00002 | -0.00299 | 0.00002 | 0.00434 |
| 16 | 44.042 | -0.00002 | -0.00334 | 0.00003 | 0.00463 |
| 17 | 44.625 | -0.00002 | -0.00338 | 0.00003 | 0.00467 |
| 18 | 45.208 | -0.00002 | -0.00342 | 0.00003 | 0.00471 |
| 19 | 50.208 | 0.00000 | -0.00396 | 0.00003 | 0.00511 |
| 20 | 54.941 | 0.00003 | -0.00437 | 0.00003 | 0.00563 |
| 21 | 59.674 | 0.00004 | -0.00340 | 0.00003 | 0.00615 |
| 22 | 64.674 | -0.00001 | -0.00066 | 0.00004 | 0.00656 |
| 23 | 65.257 | -0.00002 | -0.00027 | 0.00004 | 0.00660 |
| 24 | 65.840 | -0.00003 | 0.00012 | 0.00004 | 0.00663 |
| 25 | 70.840 | -0.00035 | 0.00359 | 0.00010 | 0.00686 |
| 26 | 73.174 | -0.00060 | 0.00534 | 0.00016 | 0.00690 |
| 27 | 75.507 | -0.00073 | 0.00718 | 0.00022 | 0.00693 |
| 28 | 80.507 | -0.00012 | 0.01120 | 0.00021 | 0.00709 |
| 29 | 81.090 | 0.00008 | 0.01167 | 0.00019 | 0.00712 |
| 30 | 81.674 | 0.00031 | 0.01214 | 0.00016 | 0.00715 |
| 31 | 84.507 | 0.00398 | 0.01449 | 0.00013 | 0.00730 |
| 32 | 87.340 | -0.03415 | -2.81681 | 0.00012 | 0.00744 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 27
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 7 section a appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.00608 | 0.89976 | -0.01065 | -1.44269 |
| 2 | 5.208 | 0.00513 | 0.76614 | -0.00704 | -0.95167 |
| 3 | 7.708 | 0.00461 | 0.70183 | -0.00510 | -0.71580 |
| 4 | 10.208 | 0.00402 | 0.63742 | -0.00296 | -0.47982 |
| 5 | 10.792 | 0.00387 | 0.62237 | -0.00241 | -0.42473 |
| 6 | 11.375 | 0.00372 | 0.60667 | -0.00187 | -0.36992 |
| 7 | 16.375 | 0.00207 | 0.37294 | 0.00141 | 0.05034 |
| 8 | 19.250 | 0.00083 | 0.16314 | 0.00217 | 0.21009 |
| 9 | 22.125 | -0.00030 | -0.03625 | 0.00209 | 0.26544 |
| 10 | 27.125 | -0.00141 | -0.22617 | 0.00155 | 0.24697 |
| 11 | 27.708 | -0.00147 | -0.23583 | 0.00150 | 0.24139 |
| 12 | 28.292 | -0.00153 | -0.24480 | 0.00144 | 0.23579 |
| 13 | 33.292 | -0.00200 | -0.31933 | 0.00117 | 0.20499 |
| 14 | 36.167 | -0.00216 | -0.34612 | 0.00115 | 0.19990 |
| 15 | 39.042 | -0.00209 | -0.33783 | 0.00115 | 0.19191 |
| 16 | 44.042 | -0.00163 | -0.26482 | 0.00093 | 0.14877 |
| 17 | 44.625 | -0.00156 | -0.25345 | 0.00089 | 0.14145 |
| 18 | 45.208 | -0.00149 | -0.24198 | 0.00084 | 0.13402 |
| 19 | 50.208 | -0.00091 | -0.14916 | 0.00049 | 0.07518 |
| 20 | 54.941 | -0.00051 | -0.08425 | 0.00025 | 0.03695 |
| 21 | 59.674 | -0.00032 | -0.05397 | 0.00014 | 0.02159 |
| 22 | 64.674 | -0.00026 | -0.04374 | 0.00011 | 0.01733 |
| 23 | 65.257 | -0.00026 | -0.04305 | 0.00010 | 0.01704 |
| 24 | 65.840 | -0.00025 | -0.04239 | 0.00010 | 0.01676 |
| 25 | 70.840 | -0.00023 | -0.03790 | 0.00009 | 0.01491 |
| 26 | 73.174 | -0.00022 | -0.03672 | 0.00009 | 0.01443 |
| 27 | 75.507 | -0.00022 | -0.03615 | 0.00009 | 0.01416 |
| 28 | 80.507 | -0.00021 | -0.03492 | 0.00008 | 0.01346 |
| 29 | 81.090 | -0.00021 | -0.03472 | 0.00008 | 0.01334 |
| 30 | 81.674 | -0.00021 | -0.03452 | 0.00008 | 0.01323 |
| 31 | 84.507 | -0.00020 | -0.03353 | 0.00008 | 0.01265 |
| 32 | 87.340 | -0.00019 | -0.03254 | 0.00007 | 0.01208 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 28
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 7 section b appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.00515 | 0.79322 | -0.00976 | -1.35524 |
| 2 | 5.208 | 0.00433 | 0.67324 | -0.00623 | -0.87649 |
| 3 | 7.708 | 0.00392 | 0.61550 | -0.00435 | -0.64649 |
| 4 | 10.208 | 0.00347 | 0.55767 | -0.00228 | -0.41636 |
| 5 | 10.792 | 0.00336 | 0.54416 | -0.00176 | -0.36264 |
| 6 | 11.375 | 0.00325 | 0.53009 | -0.00125 | -0.30920 |
| 7 | 16.375 | 0.00189 | 0.32350 | 0.00183 | 0.09744 |
| 8 | 19.250 | 0.00078 | 0.13979 | 0.00248 | 0.24813 |
| 9 | 22.125 | -0.00024 | -0.03380 | 0.00231 | 0.29494 |
| 10 | 27.125 | -0.00123 | -0.19782 | 0.00166 | 0.26498 |
| 11 | 27.708 | -0.00128 | -0.20603 | 0.00160 | 0.25831 |
| 12 | 28.292 | -0.00133 | -0.21364 | 0.00153 | 0.25165 |
| 13 | 33.292 | -0.00174 | -0.27721 | 0.00120 | 0.21362 |
| 14 | 36.167 | -0.00187 | -0.30032 | 0.00119 | 0.20615 |
| 15 | 39.042 | -0.00182 | -0.29338 | 0.00119 | 0.19651 |
| 16 | 44.042 | -0.00142 | -0.23054 | 0.00095 | 0.14918 |
| 17 | 44.625 | -0.00135 | -0.22072 | 0.00090 | 0.14121 |
| 18 | 45.208 | -0.00129 | -0.21080 | 0.00086 | 0.13314 |
| 19 | 50.208 | -0.00079 | -0.13056 | 0.00047 | 0.06945 |
| 20 | 54.941 | -0.00045 | -0.07430 | 0.00020 | 0.02880 |
| 21 | 59.674 | -0.00029 | -0.04794 | 0.00009 | 0.01319 |
| 22 | 64.674 | -0.00023 | -0.03897 | 0.00006 | 0.00925 |
| 23 | 65.257 | -0.00023 | -0.03836 | 0.00006 | 0.00899 |
| 24 | 65.840 | -0.00023 | -0.03778 | 0.00006 | 0.00874 |
| 25 | 70.840 | -0.00020 | -0.03383 | 0.00004 | 0.00714 |
| 26 | 73.174 | -0.00020 | -0.03279 | 0.00004 | 0.00677 |
| 27 | 75.507 | -0.00019 | -0.03229 | 0.00004 | 0.00659 |
| 28 | 80.507 | -0.00019 | -0.03121 | 0.00004 | 0.00601 |
| 29 | 81.090 | -0.00018 | -0.03103 | 0.00004 | 0.00590 |
| 30 | 81.674 | -0.00018 | -0.03085 | 0.00004 | 0.00579 |
| 31 | 84.507 | -0.00018 | -0.02998 | 0.00003 | 0.00527 |
| 32 | 87.340 | -0.00017 | -0.02912 | 0.00003 | 0.00474 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 29
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 7 section c appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.00035 | 0.04926 | -0.00516 | -0.79197 |
| 2 | 5.208 | 0.00019 | 0.02578 | -0.00234 | -0.39692 |
| 3 | 7.708 | 0.00010 | 0.01450 | -0.00090 | -0.20694 |
| 4 | 10.208 | 0.00002 | 0.00322 | 0.00062 | -0.01675 |
| 5 | 10.792 | 0.00000 | 0.00059 | 0.00099 | 0.02766 |
| 6 | 11.375 | -0.00002 | -0.00202 | 0.00136 | 0.07170 |
| 7 | 16.375 | -0.00015 | -0.02080 | 0.00349 | 0.38282 |
| 8 | 19.250 | -0.00018 | -0.02545 | 0.00374 | 0.46806 |
| 9 | 22.125 | -0.00016 | -0.02206 | 0.00324 | 0.45264 |
| 10 | 27.125 | -0.00005 | -0.00710 | 0.00202 | 0.34062 |
| 11 | 27.708 | -0.00003 | -0.00506 | 0.00188 | 0.32637 |
| 12 | 28.292 | -0.00002 | -0.00304 | 0.00175 | 0.31232 |
| 13 | 33.292 | 0.00008 | 0.01054 | 0.00109 | 0.22234 |
| 14 | 36.167 | 0.00010 | 0.01364 | 0.00108 | 0.19637 |
| 15 | 39.042 | 0.00008 | 0.01246 | 0.00115 | 0.17391 |
| 16 | 44.042 | 0.00005 | 0.00812 | 0.00082 | 0.09846 |
| 17 | 44.625 | 0.00005 | 0.00767 | 0.00074 | 0.08636 |
| 18 | 45.208 | 0.00004 | 0.00723 | 0.00066 | 0.07415 |
| 19 | 50.208 | 0.00002 | 0.00360 | 0.00004 | -0.01937 |
| 20 | 54.941 | 0.00000 | 0.00091 | -0.00034 | -0.07166 |
| 21 | 59.674 | 0.00000 | -0.00045 | -0.00047 | -0.08432 |
| 22 | 64.674 | -0.00001 | -0.00090 | -0.00049 | -0.08326 |
| 23 | 65.257 | -0.00001 | -0.00092 | -0.00049 | -0.08310 |
| 24 | 65.840 | -0.00001 | -0.00095 | -0.00049 | -0.08295 |
| 25 | 70.840 | -0.00001 | -0.00110 | -0.00048 | -0.08123 |
| 26 | 73.174 | -0.00001 | -0.00112 | -0.00048 | -0.08027 |
| 27 | 75.507 | -0.00001 | -0.00111 | -0.00047 | -0.07943 |
| 28 | 80.507 | -0.00001 | -0.00109 | -0.00046 | -0.07842 |
| 29 | 81.090 | -0.00001 | -0.00109 | -0.00046 | -0.07837 |
| 30 | 81.674 | -0.00001 | -0.00108 | -0.00046 | -0.07832 |
| 31 | 84.507 | -0.00001 | -0.00108 | -0.00046 | -0.07809 |
| 32 | 87.340 | -0.00001 | -0.00108 | -0.00046 | -0.07786 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 30
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 8 section a appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.00123 | 0.21649 | -0.00298 | -0.54445 |
| 2 | 5.208 | 0.00198 | 0.33606 | -0.00186 | -0.37061 |
| 3 | 7.708 | 0.00235 | 0.39366 | -0.00131 | -0.28666 |
| 4 | 10.208 | 0.00273 | 0.45138 | -0.00075 | -0.20241 |
| 5 | 10.792 | 0.00282 | 0.46486 | -0.00062 | -0.18270 |
| 6 | 11.375 | 0.00290 | 0.47821 | -0.00049 | -0.16324 |
| 7 | 16.375 | 0.00355 | 0.56766 | -0.00011 | -0.03393 |
| 8 | 19.250 | 0.00373 | 0.58119 | -0.00044 | 0.01344 |
| 9 | 22.125 | 0.00358 | 0.55031 | -0.00066 | 0.06728 |
| 10 | 27.125 | 0.00281 | 0.45302 | 0.00032 | 0.22349 |
| 11 | 27.708 | 0.00269 | 0.44063 | 0.00056 | 0.24661 |
| 12 | 28.292 | 0.00256 | 0.42755 | 0.00081 | 0.27012 |
| 13 | 33.292 | 0.00107 | 0.21447 | 0.00288 | 0.48252 |
| 14 | 36.167 | -0.00010 | 0.01457 | 0.00386 | 0.57566 |
| 15 | 39.042 | -0.00119 | -0.17635 | 0.00413 | 0.57584 |
| 16 | 44.042 | -0.00223 | -0.35183 | 0.00304 | 0.39741 |
| 17 | 44.625 | -0.00228 | -0.35975 | 0.00282 | 0.36706 |
| 18 | 45.208 | -0.00233 | -0.36690 | 0.00259 | 0.33635 |
| 19 | 50.208 | -0.00263 | -0.41533 | 0.00086 | 0.09454 |
| 20 | 54.941 | -0.00263 | -0.42504 | -0.00022 | -0.05772 |
| 21 | 59.674 | -0.00245 | -0.40624 | -0.00063 | -0.11305 |
| 22 | 64.674 | -0.00230 | -0.38672 | -0.00072 | -0.12378 |
| 23 | 65.257 | -0.00228 | -0.38499 | -0.00073 | -0.12431 |
| 24 | 65.840 | -0.00227 | -0.38330 | -0.00073 | -0.12481 |
| 25 | 70.840 | -0.00218 | -0.36933 | -0.00075 | -0.12690 |
| 26 | 73.174 | -0.00214 | -0.36357 | -0.00075 | -0.12641 |
| 27 | 75.507 | -0.00212 | -0.35889 | -0.00074 | -0.12528 |
| 28 | 80.507 | -0.00207 | -0.35064 | -0.00073 | -0.12390 |
| 29 | 81.090 | -0.00207 | -0.34975 | -0.00073 | -0.12390 |
| 30 | 81.674 | -0.00206 | -0.34887 | -0.00073 | -0.12392 |
| 31 | 84.507 | -0.00204 | -0.34458 | -0.00073 | -0.12400 |
| 32 | 87.340 | -0.00201 | -0.34030 | -0.00073 | -0.12408 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 31
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 8 section b appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.00109 | 0.18923 | -0.00259 | -0.47627 |
| 2 | 5.208 | 0.00174 | 0.29361 | -0.00151 | -0.30845 |
| 3 | 7.708 | 0.00206 | 0.34389 | -0.00099 | -0.22741 |
| 4 | 10.208 | 0.00238 | 0.39428 | -0.00045 | -0.14607 |
| 5 | 10.792 | 0.00245 | 0.40605 | -0.00032 | -0.12705 |
| 6 | 11.375 | 0.00253 | 0.41770 | -0.00020 | -0.10826 |
| 7 | 16.375 | 0.00306 | 0.49600 | 0.00021 | 0.01592 |
| 8 | 19.250 | 0.00318 | 0.50787 | -0.00005 | 0.06062 |
| 9 | 22.125 | 0.00303 | 0.48047 | -0.00020 | 0.11112 |
| 10 | 27.125 | 0.00242 | 0.39361 | 0.00077 | 0.25941 |
| 11 | 27.708 | 0.00233 | 0.38250 | 0.00099 | 0.28146 |
| 12 | 28.292 | 0.00223 | 0.37078 | 0.00123 | 0.30388 |
| 13 | 33.292 | 0.00100 | 0.18269 | 0.00316 | 0.50436 |
| 14 | 36.167 | -0.00005 | 0.00775 | 0.00405 | 0.58849 |
| 15 | 39.042 | -0.00103 | -0.15840 | 0.00424 | 0.57950 |
| 16 | 44.042 | -0.00195 | -0.30960 | 0.00303 | 0.38842 |
| 17 | 44.625 | -0.00199 | -0.31626 | 0.00280 | 0.35688 |
| 18 | 45.208 | -0.00204 | -0.32223 | 0.00255 | 0.32501 |
| 19 | 50.208 | -0.00229 | -0.36235 | 0.00073 | 0.07396 |
| 20 | 54.941 | -0.00229 | -0.36931 | -0.00040 | -0.08415 |
| 21 | 59.674 | -0.00212 | -0.35220 | -0.00081 | -0.14142 |
| 22 | 64.674 | -0.00199 | -0.33498 | -0.00089 | -0.15210 |
| 23 | 65.257 | -0.00198 | -0.33346 | -0.00090 | -0.15258 |
| 24 | 65.840 | -0.00197 | -0.33198 | -0.00090 | -0.15303 |
| 25 | 70.840 | -0.00189 | -0.31976 | -0.00091 | -0.15461 |
| 26 | 73.174 | -0.00186 | -0.31476 | -0.00091 | -0.15380 |
| 27 | 75.507 | -0.00183 | -0.31072 | -0.00090 | -0.15231 |
| 28 | 80.507 | -0.00179 | -0.30358 | -0.00089 | -0.15026 |
| 29 | 81.090 | -0.00179 | -0.30281 | -0.00088 | -0.15020 |
| 30 | 81.674 | -0.00178 | -0.30204 | -0.00088 | -0.15015 |
| 31 | 84.507 | -0.00176 | -0.29832 | -0.00088 | -0.14991 |
| 32 | 87.340 | -0.00174 | -0.29462 | -0.00088 | -0.14967 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 32
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 8 section c appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.00008 | -0.01203 | -0.00024 | -0.06260 |
| 2 | 5.208 | -0.00005 | -0.00828 | 0.00056 | 0.06471 |
| 3 | 7.708 | -0.00004 | -0.00649 | 0.00094 | 0.12618 |
| 4 | 10.208 | -0.00003 | -0.00469 | 0.00134 | 0.18787 |
| 5 | 10.792 | -0.00002 | -0.00428 | 0.00143 | 0.20229 |
| 6 | 11.375 | -0.00002 | -0.00385 | 0.00152 | 0.21652 |
| 7 | 16.375 | 0.00001 | 0.00037 | 0.00193 | 0.30720 |
| 8 | 19.250 | 0.00003 | 0.00152 | 0.00190 | 0.33509 |
| 9 | 22.125 | 0.00001 | -0.00164 | 0.00192 | 0.36422 |
| 10 | 27.125 | -0.00009 | -0.01551 | 0.00262 | 0.45989 |
| 11 | 27.708 | -0.00011 | -0.01758 | 0.00276 | 0.47476 |
| 12 | 28.292 | -0.00012 | -0.01966 | 0.00290 | 0.48983 |
| 13 | 33.292 | -0.00024 | -0.03511 | 0.00416 | 0.60965 |
| 14 | 36.167 | -0.00026 | -0.03898 | 0.00471 | 0.63270 |
| 15 | 39.042 | -0.00024 | -0.03515 | 0.00455 | 0.56132 |
| 16 | 44.042 | -0.00011 | -0.01820 | 0.00263 | 0.28421 |
| 17 | 44.625 | -0.00010 | -0.01582 | 0.00229 | 0.24460 |
| 18 | 45.208 | -0.00008 | -0.01343 | 0.00195 | 0.20479 |
| 19 | 50.208 | 0.00005 | 0.00571 | -0.00052 | -0.10872 |
| 20 | 54.941 | 0.00013 | 0.01841 | -0.00188 | -0.30520 |
| 21 | 59.674 | 0.00015 | 0.02348 | -0.00226 | -0.37368 |
| 22 | 64.674 | 0.00015 | 0.02446 | -0.00227 | -0.38235 |
| 23 | 65.257 | 0.00015 | 0.02449 | -0.00227 | -0.38239 |
| 24 | 65.840 | 0.00015 | 0.02451 | -0.00227 | -0.38238 |
| 25 | 70.840 | 0.00014 | 0.02444 | -0.00223 | -0.37912 |
| 26 | 73.174 | 0.00014 | 0.02423 | -0.00221 | -0.37554 |
| 27 | 75.507 | 0.00014 | 0.02392 | -0.00219 | -0.37117 |
| 28 | 80.507 | 0.00014 | 0.02337 | -0.00215 | -0.36366 |
| 29 | 81.090 | 0.00014 | 0.02332 | -0.00214 | -0.36304 |
| 30 | 81.674 | 0.00014 | 0.02328 | -0.00214 | -0.36243 |
| 31 | 84.507 | 0.00014 | 0.02305 | -0.00212 | -0.35949 |
| 32 | 87.340 | 0.00014 | 0.02283 | -0.00211 | -0.35656 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 33
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 9 section a appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.00071 | 0.11977 | -0.00148 | -0.25186 |
| 2 | 5.208 | 0.00073 | 0.12290 | -0.00151 | -0.25677 |
| 3 | 7.708 | 0.00073 | 0.12441 | -0.00153 | -0.25913 |
| 4 | 10.208 | 0.00074 | 0.12592 | -0.00154 | -0.26150 |
| 5 | 10.792 | 0.00075 | 0.12628 | -0.00155 | -0.26206 |
| 6 | 11.375 | 0.00075 | 0.12663 | -0.00155 | -0.26261 |
| 7 | 16.375 | 0.00077 | 0.12964 | -0.00158 | -0.26796 |
| 8 | 19.250 | 0.00078 | 0.13153 | -0.00161 | -0.27198 |
| 9 | 22.125 | 0.00079 | 0.13384 | -0.00164 | -0.27717 |
| 10 | 27.125 | 0.00082 | 0.13860 | -0.00170 | -0.28748 |
| 11 | 27.708 | 0.00082 | 0.13920 | -0.00171 | -0.28873 |
| 12 | 28.292 | 0.00083 | 0.13981 | -0.00171 | -0.29000 |
| 13 | 33.292 | 0.00086 | 0.14692 | -0.00179 | -0.30570 |
| 14 | 36.167 | 0.00089 | 0.15267 | -0.00184 | -0.31785 |
| 15 | 39.042 | 0.00093 | 0.15879 | -0.00191 | -0.32820 |
| 16 | 44.042 | 0.00100 | 0.16730 | -0.00202 | -0.33616 |
| 17 | 44.625 | 0.00101 | 0.16808 | -0.00203 | -0.33634 |
| 18 | 45.208 | 0.00102 | 0.16886 | -0.00204 | -0.33642 |
| 19 | 50.208 | 0.00117 | 0.17534 | -0.00223 | -0.32425 |
| 20 | 54.941 | 0.00137 | 0.17165 | -0.00225 | -0.23943 |
| 21 | 59.674 | 0.00134 | 0.14049 | -0.00113 | -0.01748 |
| 22 | 64.674 | 0.00077 | 0.08162 | 0.00177 | 0.32101 |
| 23 | 65.257 | 0.00067 | 0.07388 | 0.00223 | 0.36345 |
| 24 | 65.840 | 0.00055 | 0.06530 | 0.00269 | 0.40586 |
| 25 | 70.840 | -0.00089 | -0.12973 | 0.00539 | 0.73494 |
| 26 | 73.174 | -0.00185 | -0.28451 | 0.00589 | 0.83578 |
| 27 | 75.507 | -0.00275 | -0.43325 | 0.00576 | 0.85996 |
| 28 | 80.507 | -0.00374 | -0.59571 | 0.00484 | 0.77624 |
| 29 | 81.090 | -0.00377 | -0.59967 | 0.00471 | 0.76020 |
| 30 | 81.674 | -0.00380 | -0.60279 | 0.00458 | 0.74389 |
| 31 | 84.507 | -0.00392 | -0.61794 | 0.00399 | 0.66467 |
| 32 | 87.340 | -0.00403 | -0.63311 | 0.00341 | 0.58551 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 34
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 9 section b appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.00062 | 0.10511 | -0.00134 | -0.22768 |
| 2 | 5.208 | 0.00064 | 0.10786 | -0.00137 | -0.23201 |
| 3 | 7.708 | 0.00064 | 0.10918 | -0.00138 | -0.23410 |
| 4 | 10.208 | 0.00065 | 0.11050 | -0.00139 | -0.23619 |
| 5 | 10.792 | 0.00065 | 0.11081 | -0.00140 | -0.23668 |
| 6 | 11.375 | 0.00066 | 0.11112 | -0.00140 | -0.23717 |
| 7 | 16.375 | 0.00067 | 0.11376 | -0.00143 | -0.24197 |
| 8 | 19.250 | 0.00068 | 0.11542 | -0.00146 | -0.24564 |
| 9 | 22.125 | 0.00070 | 0.11746 | -0.00148 | -0.25039 |
| 10 | 27.125 | 0.00072 | 0.12164 | -0.00154 | -0.25976 |
| 11 | 27.708 | 0.00072 | 0.12216 | -0.00154 | -0.26088 |
| 12 | 28.292 | 0.00073 | 0.12269 | -0.00155 | -0.26204 |
| 13 | 33.292 | 0.00076 | 0.12892 | -0.00162 | -0.27629 |
| 14 | 36.167 | 0.00078 | 0.13398 | -0.00167 | -0.28729 |
| 15 | 39.042 | 0.00082 | 0.13938 | -0.00173 | -0.29649 |
| 16 | 44.042 | 0.00088 | 0.14694 | -0.00182 | -0.30303 |
| 17 | 44.625 | 0.00089 | 0.14764 | -0.00183 | -0.30309 |
| 18 | 45.208 | 0.00090 | 0.14834 | -0.00184 | -0.30306 |
| 19 | 50.208 | 0.00099 | 0.15421 | -0.00197 | -0.29031 |
| 20 | 54.941 | 0.00111 | 0.15093 | -0.00188 | -0.20800 |
| 21 | 59.674 | 0.00103 | 0.12244 | -0.00071 | 0.00495 |
| 22 | 64.674 | 0.00061 | 0.06837 | 0.00209 | 0.32853 |
| 23 | 65.257 | 0.00054 | 0.06126 | 0.00252 | 0.36907 |
| 24 | 65.840 | 0.00046 | 0.05341 | 0.00295 | 0.40957 |
| 25 | 70.840 | -0.00072 | -0.11831 | 0.00546 | 0.72141 |
| 26 | 73.174 | -0.00156 | -0.25288 | 0.00589 | 0.81364 |
| 27 | 75.507 | -0.00236 | -0.38130 | 0.00569 | 0.82896 |
| 28 | 80.507 | -0.00325 | -0.51989 | 0.00461 | 0.72668 |
| 29 | 81.090 | -0.00328 | -0.52304 | 0.00446 | 0.70855 |
| 30 | 81.674 | -0.00330 | -0.52546 | 0.00431 | 0.69013 |
| 31 | 84.507 | -0.00340 | -0.53719 | 0.00362 | 0.60073 |
| 32 | 87.340 | -0.00350 | -0.54895 | 0.00295 | 0.51138 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 35
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 9 section c appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.00007 | 0.01197 | -0.00059 | -0.10063 |
| 2 | 5.208 | 0.00007 | 0.01217 | -0.00060 | -0.10197 |
| 3 | 7.708 | 0.00007 | 0.01227 | -0.00060 | -0.10262 |
| 4 | 10.208 | 0.00007 | 0.01237 | -0.00061 | -0.10326 |
| 5 | 10.792 | 0.00007 | 0.01239 | -0.00061 | -0.10341 |
| 6 | 11.375 | 0.00007 | 0.01241 | -0.00061 | -0.10357 |
| 7 | 16.375 | 0.00007 | 0.01265 | -0.00062 | -0.10541 |
| 8 | 19.250 | 0.00008 | 0.01285 | -0.00063 | -0.10713 |
| 9 | 22.125 | 0.00008 | 0.01311 | -0.00065 | -0.10943 |
| 10 | 27.125 | 0.00008 | 0.01360 | -0.00067 | -0.11374 |
| 11 | 27.708 | 0.00008 | 0.01366 | -0.00067 | -0.11424 |
| 12 | 28.292 | 0.00008 | 0.01372 | -0.00068 | -0.11475 |
| 13 | 33.292 | 0.00008 | 0.01449 | -0.00071 | -0.12135 |
| 14 | 36.167 | 0.00009 | 0.01508 | -0.00074 | -0.12627 |
| 15 | 39.042 | 0.00009 | 0.01553 | -0.00076 | -0.12948 |
| 16 | 44.042 | 0.00009 | 0.01576 | -0.00077 | -0.12885 |
| 17 | 44.625 | 0.00009 | 0.01574 | -0.00077 | -0.12835 |
| 18 | 45.208 | 0.00009 | 0.01572 | -0.00077 | -0.12778 |
| 19 | 50.208 | 0.00010 | 0.01471 | -0.00075 | -0.11292 |
| 20 | 54.941 | 0.00008 | 0.00927 | -0.00045 | -0.04787 |
| 21 | 59.674 | 0.00000 | -0.00434 | 0.00057 | 0.10649 |
| 22 | 64.674 | -0.00014 | -0.02480 | 0.00247 | 0.33387 |
| 23 | 65.257 | -0.00016 | -0.02735 | 0.00274 | 0.36214 |
| 24 | 65.840 | -0.00018 | -0.02990 | 0.00300 | 0.39027 |
| 25 | 70.840 | -0.00032 | -0.04783 | 0.00468 | 0.58866 |
| 26 | 73.174 | -0.00034 | -0.05090 | 0.00496 | 0.62315 |
| 27 | 75.507 | -0.00031 | -0.04681 | 0.00462 | 0.57918 |
| 28 | 80.507 | -0.00016 | -0.02617 | 0.00278 | 0.35508 |
| 29 | 81.090 | -0.00014 | -0.02326 | 0.00249 | 0.32341 |
| 30 | 81.674 | -0.00012 | -0.02032 | 0.00220 | 0.29150 |
| 31 | 84.507 | -0.00001 | -0.00606 | 0.00086 | 0.13652 |
| 32 | 87.340 | 0.00009 | 0.00820 | -0.00040 | -0.01843 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 36
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 10 section top appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.08327 | -10.94928 | -0.01230 | -0.86862 |
| 2 | 5.208 | -0.05540 | -7.12731 | -0.01301 | -0.75595 |
| 3 | 7.708 | -0.04052 | -5.29159 | -0.01405 | -0.70208 |
| 4 | 10.208 | -0.02344 | -3.45512 | -0.01548 | -0.64828 |
| 5 | 10.792 | -0.01869 | -3.02645 | -0.01555 | -0.63572 |
| 6 | 11.375 | -0.01393 | -2.60057 | -0.01531 | -0.62302 |
| 7 | 16.375 | 0.01133 | 0.55527 | -0.00934 | -0.49352 |
| 8 | 19.250 | 0.01646 | 1.64206 | -0.00618 | -0.40496 |
| 9 | 22.125 | 0.01504 | 1.90787 | -0.00360 | -0.32158 |
| 10 | 27.125 | 0.01014 | 1.61391 | -0.00143 | -0.21384 |
| 11 | 27.708 | 0.00967 | 1.56485 | -0.00130 | -0.20410 |
| 12 | 28.292 | 0.00923 | 1.51629 | -0.00118 | -0.19463 |
| 13 | 33.292 | 0.00684 | 1.22857 | -0.00056 | -0.13317 |
| 14 | 36.167 | 0.00657 | 1.17112 | -0.00050 | -0.11722 |
| 15 | 39.042 | 0.00657 | 1.12553 | -0.00056 | -0.11022 |
| 16 | 44.042 | 0.00544 | 0.88674 | -0.00052 | -0.08624 |
| 17 | 44.625 | 0.00520 | 0.84472 | -0.00050 | -0.08191 |
| 18 | 45.208 | 0.00495 | 0.80207 | -0.00048 | -0.07751 |
| 19 | 50.208 | 0.00297 | 0.46414 | -0.00030 | -0.04305 |
| 20 | 54.941 | 0.00160 | 0.24448 | -0.00016 | -0.02159 |
| 21 | 59.674 | 0.00099 | 0.15582 | -0.00010 | -0.01378 |
| 22 | 64.674 | 0.00080 | 0.13069 | -0.00007 | -0.01191 |
| 23 | 65.257 | 0.00079 | 0.12896 | -0.00007 | -0.01178 |
| 24 | 65.840 | 0.00077 | 0.12728 | -0.00007 | -0.01165 |
| 25 | 70.840 | 0.00069 | 0.11592 | -0.00006 | -0.01079 |
| 26 | 73.174 | 0.00067 | 0.11283 | -0.00006 | -0.01055 |
| 27 | 75.507 | 0.00066 | 0.11097 | -0.00006 | -0.01038 |
| 28 | 80.507 | 0.00064 | 0.10621 | -0.00006 | -0.00988 |
| 29 | 81.090 | 0.00063 | 0.10546 | -0.00006 | -0.00980 |
| 30 | 81.674 | 0.00063 | 0.10469 | -0.00006 | -0.00972 |
| 31 | 84.507 | 0.00061 | 0.10098 | -0.00006 | -0.00934 |
| 32 | 87.340 | 0.00059 | 0.09728 | -0.00005 | -0.00896 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 37
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 10 section a appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.07271 | -9.69694 | -0.01105 | -0.78922 |
| 2 | 5.208 | -0.04797 | -6.29137 | -0.01157 | -0.68688 |
| 3 | 7.708 | -0.03483 | -4.65566 | -0.01233 | -0.63794 |
| 4 | 10.208 | -0.02013 | -3.01931 | -0.01334 | -0.58907 |
| 5 | 10.792 | -0.01628 | -2.63735 | -0.01338 | -0.57766 |
| 6 | 11.375 | -0.01243 | -2.25798 | -0.01317 | -0.56612 |
| 7 | 16.375 | 0.00966 | 0.53973 | -0.00825 | -0.44719 |
| 8 | 19.250 | 0.01433 | 1.48822 | -0.00549 | -0.36496 |
| 9 | 22.125 | 0.01318 | 1.70308 | -0.00320 | -0.28738 |
| 10 | 27.125 | 0.00889 | 1.41803 | -0.00126 | -0.18795 |
| 11 | 27.708 | 0.00847 | 1.37300 | -0.00114 | -0.17906 |
| 12 | 28.292 | 0.00808 | 1.32851 | -0.00103 | -0.17043 |
| 13 | 33.292 | 0.00592 | 1.06256 | -0.00047 | -0.11399 |
| 14 | 36.167 | 0.00566 | 1.00826 | -0.00041 | -0.09908 |
| 15 | 39.042 | 0.00566 | 0.96864 | -0.00047 | -0.09273 |
| 16 | 44.042 | 0.00468 | 0.76359 | -0.00044 | -0.07218 |
| 17 | 44.625 | 0.00447 | 0.72731 | -0.00042 | -0.06846 |
| 18 | 45.208 | 0.00426 | 0.69047 | -0.00040 | -0.06469 |
| 19 | 50.208 | 0.00255 | 0.39880 | -0.00025 | -0.03517 |
| 20 | 54.941 | 0.00138 | 0.20960 | -0.00013 | -0.01689 |
| 21 | 59.674 | 0.00085 | 0.13360 | -0.00007 | -0.01035 |
| 22 | 64.674 | 0.00069 | 0.11218 | -0.00006 | -0.00883 |
| 23 | 65.257 | 0.00068 | 0.11070 | -0.00005 | -0.00872 |
| 24 | 65.840 | 0.00066 | 0.10928 | -0.00005 | -0.00861 |
| 25 | 70.840 | 0.00060 | 0.09958 | -0.00005 | -0.00793 |
| 26 | 73.174 | 0.00058 | 0.09694 | -0.00005 | -0.00775 |
| 27 | 75.507 | 0.00057 | 0.09535 | -0.00004 | -0.00762 |
| 28 | 80.507 | 0.00055 | 0.09123 | -0.00004 | -0.00723 |
| 29 | 81.090 | 0.00054 | 0.09057 | -0.00004 | -0.00716 |
| 30 | 81.674 | 0.00054 | 0.08991 | -0.00004 | -0.00710 |
| 31 | 84.507 | 0.00052 | 0.08670 | -0.00004 | -0.00678 |
| 32 | 87.340 | 0.00050 | 0.08350 | -0.00004 | -0.00646 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 38
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 10 section b appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.03835 | -5.28807 | -0.00644 | -0.50422 |
| 2 | 5.208 | -0.02452 | -3.34938 | -0.00648 | -0.43840 |
| 3 | 7.708 | -0.01736 | -2.41826 | -0.00658 | -0.40688 |
| 4 | 10.208 | -0.00968 | -1.48685 | -0.00666 | -0.37542 |
| 5 | 10.792 | -0.00780 | -1.26947 | -0.00661 | -0.36808 |
| 6 | 11.375 | -0.00593 | -1.05389 | -0.00650 | -0.36062 |
| 7 | 16.375 | 0.00568 | 0.48311 | -0.00442 | -0.27896 |
| 8 | 19.250 | 0.00809 | 0.94560 | -0.00299 | -0.21905 |
| 9 | 22.125 | 0.00726 | 0.98221 | -0.00173 | -0.16190 |
| 10 | 27.125 | 0.00454 | 0.72975 | -0.00062 | -0.09184 |
| 11 | 27.708 | 0.00429 | 0.69901 | -0.00055 | -0.08597 |
| 12 | 28.292 | 0.00405 | 0.66888 | -0.00048 | -0.08028 |
| 13 | 33.292 | 0.00262 | 0.47966 | -0.00013 | -0.04175 |
| 14 | 36.167 | 0.00239 | 0.43612 | -0.00009 | -0.03072 |
| 15 | 39.042 | 0.00240 | 0.41704 | -0.00012 | -0.02693 |
| 16 | 44.042 | 0.00202 | 0.33012 | -0.00013 | -0.01881 |
| 17 | 44.625 | 0.00193 | 0.31399 | -0.00012 | -0.01730 |
| 18 | 45.208 | 0.00183 | 0.29758 | -0.00012 | -0.01576 |
| 19 | 50.208 | 0.00109 | 0.16844 | -0.00005 | -0.00405 |
| 20 | 54.941 | 0.00058 | 0.08651 | 0.00000 | 0.00239 |
| 21 | 59.674 | 0.00036 | 0.05522 | 0.00002 | 0.00390 |
| 22 | 64.674 | 0.00029 | 0.04705 | 0.00002 | 0.00384 |
| 23 | 65.257 | 0.00028 | 0.04648 | 0.00002 | 0.00384 |
| 24 | 65.840 | 0.00028 | 0.04592 | 0.00002 | 0.00383 |
| 25 | 70.840 | 0.00025 | 0.04216 | 0.00002 | 0.00374 |
| 26 | 73.174 | 0.00025 | 0.04112 | 0.00002 | 0.00368 |
| 27 | 75.507 | 0.00024 | 0.04044 | 0.00002 | 0.00363 |
| 28 | 80.507 | 0.00023 | 0.03856 | 0.00002 | 0.00366 |
| 29 | 81.090 | 0.00023 | 0.03827 | 0.00002 | 0.00367 |
| 30 | 81.674 | 0.00023 | 0.03797 | 0.00002 | 0.00369 |
| 31 | 84.507 | 0.00022 | 0.03653 | 0.00002 | 0.00375 |
| 32 | 87.340 | 0.00021 | 0.03508 | 0.00002 | 0.00382 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 39
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 11 section top appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.01073 | -2.04904 | 0.00011 | -0.10082 |
| 2 | 5.208 | -0.01682 | -2.93187 | -0.00059 | -0.17202 |
| 3 | 7.708 | -0.01987 | -3.35577 | -0.00099 | -0.20591 |
| 4 | 10.208 | -0.02303 | -3.77977 | -0.00146 | -0.23963 |
| 5 | 10.792 | -0.02379 | -3.87872 | -0.00158 | -0.24748 |
| 6 | 11.375 | -0.02456 | -3.97649 | -0.00171 | -0.25554 |
| 7 | 16.375 | -0.03121 | -4.56624 | -0.00400 | -0.35849 |
| 8 | 19.250 | -0.03312 | -4.39312 | -0.00667 | -0.43904 |
| 9 | 22.125 | -0.02886 | -3.44793 | -0.00974 | -0.50607 |
| 10 | 27.125 | -0.00691 | -0.79315 | -0.01507 | -0.55251 |
| 11 | 27.708 | -0.00262 | -0.44416 | -0.01522 | -0.55280 |
| 12 | 28.292 | 0.00166 | -0.09524 | -0.01507 | -0.55255 |
| 13 | 33.292 | 0.02359 | 2.55725 | -0.00973 | -0.50613 |
| 14 | 36.167 | 0.02781 | 3.49975 | -0.00666 | -0.43870 |
| 15 | 39.042 | 0.02588 | 3.67101 | -0.00399 | -0.35736 |
| 16 | 44.042 | 0.01927 | 3.08241 | -0.00170 | -0.25266 |
| 17 | 44.625 | 0.01852 | 2.98506 | -0.00157 | -0.24438 |
| 18 | 45.208 | 0.01777 | 2.88664 | -0.00145 | -0.23630 |
| 19 | 50.208 | 0.01195 | 2.05911 | -0.00069 | -0.16498 |
| 20 | 54.941 | 0.00793 | 1.40364 | -0.00034 | -0.10087 |
| 21 | 59.674 | 0.00595 | 1.03105 | -0.00026 | -0.05928 |
| 22 | 64.674 | 0.00517 | 0.87686 | -0.00023 | -0.04132 |
| 23 | 65.257 | 0.00512 | 0.86621 | -0.00023 | -0.04016 |
| 24 | 65.840 | 0.00506 | 0.85599 | -0.00022 | -0.03906 |
| 25 | 70.840 | 0.00467 | 0.78399 | -0.00020 | -0.03164 |
| 26 | 73.174 | 0.00454 | 0.76325 | -0.00019 | -0.02982 |
| 27 | 75.507 | 0.00447 | 0.75239 | -0.00018 | -0.02931 |
| 28 | 80.507 | 0.00435 | 0.73366 | -0.00017 | -0.02896 |
| 29 | 81.090 | 0.00433 | 0.73098 | -0.00017 | -0.02887 |
| 30 | 81.674 | 0.00431 | 0.72827 | -0.00017 | -0.02878 |
| 31 | 84.507 | 0.00423 | 0.71513 | -0.00016 | -0.02832 |
| 32 | 87.340 | 0.00414 | 0.70201 | -0.00016 | -0.02786 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 40
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 11 section a appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.00897 | -1.71803 | 0.00016 | -0.08076 |
| 2 | 5.208 | -0.01436 | -2.50439 | -0.00049 | -0.14753 |
| 3 | 7.708 | -0.01706 | -2.88198 | -0.00086 | -0.17933 |
| 4 | 10.208 | -0.01985 | -3.25964 | -0.00129 | -0.21097 |
| 5 | 10.792 | -0.02052 | -3.34778 | -0.00140 | -0.21834 |
| 6 | 11.375 | -0.02119 | -3.43496 | -0.00152 | -0.22591 |
| 7 | 16.375 | -0.02698 | -3.97504 | -0.00359 | -0.32207 |
| 8 | 19.250 | -0.02854 | -3.84151 | -0.00598 | -0.39707 |
| 9 | 22.125 | -0.02465 | -3.02259 | -0.00868 | -0.45941 |
| 10 | 27.125 | -0.00559 | -0.68244 | -0.01301 | -0.50260 |
| 11 | 27.708 | -0.00220 | -0.37303 | -0.01313 | -0.50289 |
| 12 | 28.292 | 0.00119 | -0.06368 | -0.01301 | -0.50266 |
| 13 | 33.292 | 0.02022 | 2.27464 | -0.00867 | -0.45970 |
| 14 | 36.167 | 0.02408 | 3.09157 | -0.00597 | -0.39717 |
| 15 | 39.042 | 0.02251 | 3.22415 | -0.00358 | -0.32168 |
| 16 | 44.042 | 0.01677 | 2.68652 | -0.00151 | -0.22444 |
| 17 | 44.625 | 0.01610 | 2.59989 | -0.00140 | -0.21674 |
| 18 | 45.208 | 0.01545 | 2.51239 | -0.00129 | -0.20923 |
| 19 | 50.208 | 0.01032 | 1.77765 | -0.00059 | -0.14329 |
| 20 | 54.941 | 0.00677 | 1.19794 | -0.00027 | -0.08484 |
| 21 | 59.674 | 0.00502 | 0.87043 | -0.00019 | -0.04751 |
| 22 | 64.674 | 0.00434 | 0.73595 | -0.00017 | -0.03162 |
| 23 | 65.257 | 0.00429 | 0.72669 | -0.00017 | -0.03060 |
| 24 | 65.840 | 0.00424 | 0.71782 | -0.00017 | -0.02964 |
| 25 | 70.840 | 0.00390 | 0.65555 | -0.00015 | -0.02318 |
| 26 | 73.174 | 0.00380 | 0.63780 | -0.00014 | -0.02165 |
| 27 | 75.507 | 0.00374 | 0.62869 | -0.00013 | -0.02129 |
| 28 | 80.507 | 0.00363 | 0.61301 | -0.00012 | -0.02111 |
| 29 | 81.090 | 0.00362 | 0.61074 | -0.00012 | -0.02104 |
| 30 | 81.674 | 0.00360 | 0.60844 | -0.00012 | -0.02097 |
| 31 | 84.507 | 0.00353 | 0.59727 | -0.00012 | -0.02061 |
| 32 | 87.340 | 0.00346 | 0.58613 | -0.00011 | -0.02025 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 41
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 11 section b appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.00262 | -0.55573 | 0.00035 | -0.00612 |
| 2 | 5.208 | -0.00564 | -1.00214 | -0.00010 | -0.05737 |
| 3 | 7.708 | -0.00714 | -1.21649 | -0.00035 | -0.08185 |
| 4 | 10.208 | -0.00868 | -1.43087 | -0.00064 | -0.10624 |
| 5 | 10.792 | -0.00905 | -1.48091 | -0.00071 | -0.11192 |
| 6 | 11.375 | -0.00942 | -1.53075 | -0.00079 | -0.11776 |
| 7 | 16.375 | -0.01272 | -1.89524 | -0.00207 | -0.19021 |
| 8 | 19.250 | -0.01371 | -1.90042 | -0.00346 | -0.24583 |
| 9 | 22.125 | -0.01180 | -1.52561 | -0.00492 | -0.29176 |
| 10 | 27.125 | -0.00227 | -0.29332 | -0.00662 | -0.32363 |
| 11 | 27.708 | -0.00073 | -0.12329 | -0.00665 | -0.32389 |
| 12 | 28.292 | 0.00081 | 0.04670 | -0.00662 | -0.32376 |
| 13 | 33.292 | 0.01034 | 1.27885 | -0.00492 | -0.29293 |
| 14 | 36.167 | 0.01224 | 1.65418 | -0.00346 | -0.24754 |
| 15 | 39.042 | 0.01126 | 1.65125 | -0.00208 | -0.19254 |
| 16 | 44.042 | 0.00802 | 1.29379 | -0.00082 | -0.12143 |
| 17 | 44.625 | 0.00766 | 1.24492 | -0.00074 | -0.11577 |
| 18 | 45.208 | 0.00731 | 1.19593 | -0.00067 | -0.11026 |
| 19 | 50.208 | 0.00452 | 0.78808 | -0.00021 | -0.06325 |
| 20 | 54.941 | 0.00262 | 0.47518 | 0.00000 | -0.02476 |
| 21 | 59.674 | 0.00173 | 0.30625 | 0.00004 | -0.00248 |
| 22 | 64.674 | 0.00141 | 0.24108 | 0.00004 | 0.00605 |
| 23 | 65.257 | 0.00139 | 0.23676 | 0.00005 | 0.00656 |
| 24 | 65.840 | 0.00137 | 0.23263 | 0.00005 | 0.00704 |
| 25 | 70.840 | 0.00122 | 0.20451 | 0.00005 | 0.01005 |
| 26 | 73.174 | 0.00118 | 0.19725 | 0.00006 | 0.01058 |
| 27 | 75.507 | 0.00116 | 0.19426 | 0.00006 | 0.01046 |
| 28 | 80.507 | 0.00112 | 0.18927 | 0.00006 | 0.01000 |
| 29 | 81.090 | 0.00112 | 0.18842 | 0.00006 | 0.00999 |
| 30 | 81.674 | 0.00111 | 0.18756 | 0.00006 | 0.00998 |
| 31 | 84.507 | 0.00108 | 0.18335 | 0.00006 | 0.00993 |
| 32 | 87.340 | 0.00106 | 0.17915 | 0.00006 | 0.00988 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 42
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 12 section top appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.01426 | -2.36525 | 0.00116 | 0.21054 |
| 2 | 5.208 | -0.01710 | -2.84986 | 0.00098 | 0.17562 |
| 3 | 7.708 | -0.01846 | -3.08393 | 0.00089 | 0.15874 |
| 4 | 10.208 | -0.01981 | -3.31889 | 0.00081 | 0.14177 |
| 5 | 10.792 | -0.02013 | -3.37385 | 0.00079 | 0.13780 |
| 6 | 11.375 | -0.02044 | -3.42789 | 0.00078 | 0.13392 |
| 7 | 16.375 | -0.02208 | -3.75035 | 0.00077 | 0.11335 |
| 8 | 19.250 | -0.02229 | -3.82788 | 0.00085 | 0.10855 |
| 9 | 22.125 | -0.02274 | -3.91530 | 0.00081 | 0.09616 |
| 10 | 27.125 | -0.02554 | -4.27848 | 0.00023 | 0.04383 |
| 11 | 27.708 | -0.02604 | -4.33796 | 0.00011 | 0.03560 |
| 12 | 28.292 | -0.02656 | -4.39814 | -0.00001 | 0.02713 |
| 13 | 33.292 | -0.03204 | -4.80750 | -0.00216 | -0.06629 |
| 14 | 36.167 | -0.03407 | -4.64926 | -0.00472 | -0.13792 |
| 15 | 39.042 | -0.03003 | -3.73107 | -0.00782 | -0.21301 |
| 16 | 44.042 | -0.00731 | -0.94589 | -0.01362 | -0.32115 |
| 17 | 44.625 | -0.00284 | -0.56599 | -0.01386 | -0.33165 |
| 18 | 45.208 | 0.00164 | -0.18489 | -0.01380 | -0.34200 |
| 19 | 50.208 | 0.02637 | 2.82554 | -0.00980 | -0.42543 |
| 20 | 54.941 | 0.03530 | 4.72852 | -0.00657 | -0.48196 |
| 21 | 59.674 | 0.03448 | 5.39074 | -0.00403 | -0.50197 |
| 22 | 64.674 | 0.03262 | 5.44773 | -0.00307 | -0.49869 |
| 23 | 65.257 | 0.03248 | 5.44379 | -0.00302 | -0.49773 |
| 24 | 65.840 | 0.03235 | 5.43926 | -0.00297 | -0.49673 |
| 25 | 70.840 | 0.03142 | 5.36538 | -0.00275 | -0.48616 |
| 26 | 73.174 | 0.03107 | 5.30849 | -0.00272 | -0.47998 |
| 27 | 75.507 | 0.03077 | 5.24319 | -0.00272 | -0.47334 |
| 28 | 80.507 | 0.03024 | 5.12284 | -0.00271 | -0.46008 |
| 29 | 81.090 | 0.03018 | 5.11149 | -0.00271 | -0.45867 |
| 30 | 81.674 | 0.03013 | 5.10031 | -0.00270 | -0.45727 |
| 31 | 84.507 | 0.02986 | 5.04619 | -0.00268 | -0.45049 |
| 32 | 87.340 | 0.02959 | 4.99226 | -0.00265 | -0.44374 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 43
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 12 section a appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.01259 | -2.08837 | 0.00107 | 0.19407 |
| 2 | 5.208 | -0.01504 | -2.50889 | 0.00091 | 0.16438 |
| 3 | 7.708 | -0.01622 | -2.71202 | 0.00084 | 0.15001 |
| 4 | 10.208 | -0.01740 | -2.91593 | 0.00077 | 0.13558 |
| 5 | 10.792 | -0.01768 | -2.96362 | 0.00076 | 0.13220 |
| 6 | 11.375 | -0.01795 | -3.01051 | 0.00074 | 0.12890 |
| 7 | 16.375 | -0.01937 | -3.28943 | 0.00074 | 0.11149 |
| 8 | 19.250 | -0.01955 | -3.35726 | 0.00082 | 0.10715 |
| 9 | 22.125 | -0.01998 | -3.43810 | 0.00078 | 0.09544 |
| 10 | 27.125 | -0.02250 | -3.77090 | 0.00025 | 0.04717 |
| 11 | 27.708 | -0.02294 | -3.82507 | 0.00015 | 0.03965 |
| 12 | 28.292 | -0.02340 | -3.87993 | 0.00004 | 0.03189 |
| 13 | 33.292 | -0.02822 | -4.26719 | -0.00189 | -0.05479 |
| 14 | 36.167 | -0.02990 | -4.14771 | -0.00416 | -0.12192 |
| 15 | 39.042 | -0.02618 | -3.34887 | -0.00686 | -0.19210 |
| 16 | 44.042 | -0.00636 | -0.88045 | -0.01162 | -0.29177 |
| 17 | 44.625 | -0.00278 | -0.54193 | -0.01182 | -0.30132 |
| 18 | 45.208 | 0.00080 | -0.20226 | -0.01179 | -0.31072 |
| 19 | 50.208 | 0.02245 | 2.48126 | -0.00868 | -0.38636 |
| 20 | 54.941 | 0.03074 | 4.17833 | -0.00589 | -0.43731 |
| 21 | 59.674 | 0.03038 | 4.76981 | -0.00364 | -0.45507 |
| 22 | 64.674 | 0.02886 | 4.82169 | -0.00278 | -0.45193 |
| 23 | 65.257 | 0.02874 | 4.81828 | -0.00273 | -0.45106 |
| 24 | 65.840 | 0.02863 | 4.81436 | -0.00269 | -0.45015 |
| 25 | 70.840 | 0.02783 | 4.74942 | -0.00249 | -0.44058 |
| 26 | 73.174 | 0.02751 | 4.69912 | -0.00246 | -0.43503 |
| 27 | 75.507 | 0.02725 | 4.64130 | -0.00247 | -0.42907 |
| 28 | 80.507 | 0.02677 | 4.53477 | -0.00246 | -0.41716 |
| 29 | 81.090 | 0.02672 | 4.52475 | -0.00245 | -0.41589 |
| 30 | 81.674 | 0.02667 | 4.51486 | -0.00245 | -0.41463 |
| 31 | 84.507 | 0.02643 | 4.46703 | -0.00243 | -0.40852 |
| 32 | 87.340 | 0.02619 | 4.41938 | -0.00241 | -0.40245 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 44
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 12 section b appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.00673 | -1.11715 | 0.00076 | 0.13746 |
| 2 | 5.208 | -0.00786 | -1.31273 | 0.00071 | 0.12626 |
| 3 | 7.708 | -0.00840 | -1.40728 | 0.00068 | 0.12083 |
| 4 | 10.208 | -0.00895 | -1.50222 | 0.00066 | 0.11537 |
| 5 | 10.792 | -0.00907 | -1.52444 | 0.00065 | 0.11409 |
| 6 | 11.375 | -0.00920 | -1.54624 | 0.00065 | 0.11284 |
| 7 | 16.375 | -0.00982 | -1.67265 | 0.00067 | 0.10672 |
| 8 | 19.250 | -0.00991 | -1.70686 | 0.00072 | 0.10414 |
| 9 | 22.125 | -0.01023 | -1.76486 | 0.00069 | 0.09497 |
| 10 | 27.125 | -0.01185 | -1.99083 | 0.00036 | 0.06122 |
| 11 | 27.708 | -0.01212 | -2.02627 | 0.00029 | 0.05619 |
| 12 | 28.292 | -0.01240 | -2.06243 | 0.00023 | 0.05098 |
| 13 | 33.292 | -0.01539 | -2.37105 | -0.00088 | -0.01170 |
| 14 | 36.167 | -0.01651 | -2.38703 | -0.00212 | -0.06277 |
| 15 | 39.042 | -0.01462 | -2.00746 | -0.00352 | -0.11544 |
| 16 | 44.042 | -0.00428 | -0.65340 | -0.00547 | -0.18496 |
| 17 | 44.625 | -0.00257 | -0.46052 | -0.00557 | -0.19113 |
| 18 | 45.208 | -0.00086 | -0.26664 | -0.00560 | -0.19715 |
| 19 | 50.208 | 0.01081 | 1.26742 | -0.00475 | -0.24510 |
| 20 | 54.941 | 0.01596 | 2.24356 | -0.00341 | -0.27584 |
| 21 | 59.674 | 0.01633 | 2.59044 | -0.00220 | -0.28519 |
| 22 | 64.674 | 0.01570 | 2.62666 | -0.00173 | -0.28232 |
| 23 | 65.257 | 0.01565 | 2.62529 | -0.00171 | -0.28173 |
| 24 | 65.840 | 0.01560 | 2.62360 | -0.00168 | -0.28112 |
| 25 | 70.840 | 0.01520 | 2.59104 | -0.00157 | -0.27494 |
| 26 | 73.174 | 0.01503 | 2.56413 | -0.00155 | -0.27149 |
| 27 | 75.507 | 0.01488 | 2.53260 | -0.00155 | -0.26787 |
| 28 | 80.507 | 0.01461 | 2.47450 | -0.00154 | -0.26068 |
| 29 | 81.090 | 0.01458 | 2.46908 | -0.00153 | -0.25991 |
| 30 | 81.674 | 0.01455 | 2.46375 | -0.00153 | -0.25915 |
| 31 | 84.507 | 0.01442 | 2.43792 | -0.00152 | -0.25545 |
| 32 | 87.340 | 0.01429 | 2.41219 | -0.00150 | -0.25176 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 45
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 13 section top appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.01181 | -2.00565 | -0.00157 | -0.26741 |
| 2 | 5.208 | -0.01205 | -2.04442 | -0.00161 | -0.27383 |
| 3 | 7.708 | -0.01216 | -2.06311 | -0.00163 | -0.27694 |
| 4 | 10.208 | -0.01228 | -2.08186 | -0.00165 | -0.28006 |
| 5 | 10.792 | -0.01231 | -2.08624 | -0.00166 | -0.28079 |
| 6 | 11.375 | -0.01234 | -2.09064 | -0.00166 | -0.28152 |
| 7 | 16.375 | -0.01261 | -2.13288 | -0.00170 | -0.28748 |
| 8 | 19.250 | -0.01282 | -2.16460 | -0.00173 | -0.29115 |
| 9 | 22.125 | -0.01308 | -2.20570 | -0.00176 | -0.29593 |
| 10 | 27.125 | -0.01352 | -2.28751 | -0.00181 | -0.30654 |
| 11 | 27.708 | -0.01357 | -2.29739 | -0.00182 | -0.30791 |
| 12 | 28.292 | -0.01362 | -2.30754 | -0.00182 | -0.30932 |
| 13 | 33.292 | -0.01420 | -2.43229 | -0.00185 | -0.32591 |
| 14 | 36.167 | -0.01465 | -2.52877 | -0.00188 | -0.33917 |
| 15 | 39.042 | -0.01515 | -2.61085 | -0.00195 | -0.35256 |
| 16 | 44.042 | -0.01604 | -2.67374 | -0.00222 | -0.36954 |
| 17 | 44.625 | -0.01615 | -2.67510 | -0.00227 | -0.37097 |
| 18 | 45.208 | -0.01626 | -2.67569 | -0.00232 | -0.37235 |
| 19 | 50.208 | -0.01789 | -2.57776 | -0.00333 | -0.38059 |
| 20 | 54.941 | -0.01861 | -1.89858 | -0.00589 | -0.36232 |
| 21 | 59.674 | -0.01048 | -0.12250 | -0.00902 | -0.29028 |
| 22 | 64.674 | 0.01232 | 2.58558 | -0.01275 | -0.17066 |
| 23 | 65.257 | 0.01654 | 2.92513 | -0.01278 | -0.15535 |
| 24 | 65.840 | 0.02074 | 3.26364 | -0.01249 | -0.13990 |
| 25 | 70.840 | 0.04161 | 5.76391 | -0.00627 | 0.00566 |
| 26 | 73.174 | 0.04477 | 6.44577 | -0.00357 | 0.08155 |
| 27 | 75.507 | 0.04309 | 6.52678 | -0.00125 | 0.15942 |
| 28 | 80.507 | 0.03546 | 5.79107 | 0.00157 | 0.31537 |
| 29 | 81.090 | 0.03454 | 5.67137 | 0.00177 | 0.33228 |
| 30 | 81.674 | 0.03363 | 5.55033 | 0.00195 | 0.34913 |
| 31 | 84.507 | 0.02932 | 4.96271 | 0.00279 | 0.43097 |
| 32 | 87.340 | 0.02513 | 4.37548 | 0.00356 | 0.51286 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 46
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 13 section a appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.01048 | -1.77952 | -0.00142 | -0.24079 |
| 2 | 5.208 | -0.01069 | -1.81384 | -0.00145 | -0.24658 |
| 3 | 7.708 | -0.01079 | -1.83039 | -0.00147 | -0.24938 |
| 4 | 10.208 | -0.01089 | -1.84698 | -0.00149 | -0.25218 |
| 5 | 10.792 | -0.01092 | -1.85086 | -0.00149 | -0.25284 |
| 6 | 11.375 | -0.01094 | -1.85476 | -0.00149 | -0.25350 |
| 7 | 16.375 | -0.01119 | -1.89221 | -0.00153 | -0.25886 |
| 8 | 19.250 | -0.01137 | -1.92039 | -0.00156 | -0.26214 |
| 9 | 22.125 | -0.01160 | -1.95690 | -0.00159 | -0.26640 |
| 10 | 27.125 | -0.01200 | -2.02951 | -0.00163 | -0.27589 |
| 11 | 27.708 | -0.01204 | -2.03828 | -0.00163 | -0.27712 |
| 12 | 28.292 | -0.01209 | -2.04728 | -0.00164 | -0.27838 |
| 13 | 33.292 | -0.01260 | -2.15801 | -0.00167 | -0.29318 |
| 14 | 36.167 | -0.01301 | -2.24366 | -0.00169 | -0.30501 |
| 15 | 39.042 | -0.01346 | -2.31651 | -0.00175 | -0.31696 |
| 16 | 44.042 | -0.01422 | -2.37225 | -0.00200 | -0.33215 |
| 17 | 44.625 | -0.01432 | -2.37344 | -0.00204 | -0.33343 |
| 18 | 45.208 | -0.01442 | -2.37395 | -0.00209 | -0.33467 |
| 19 | 50.208 | -0.01573 | -2.28667 | -0.00298 | -0.34209 |
| 20 | 54.941 | -0.01601 | -1.68133 | -0.00526 | -0.32573 |
| 21 | 59.674 | -0.00843 | -0.09714 | -0.00796 | -0.26094 |
| 22 | 64.674 | 0.01152 | 2.31931 | -0.01082 | -0.15320 |
| 23 | 65.257 | 0.01487 | 2.62231 | -0.01082 | -0.13941 |
| 24 | 65.840 | 0.01821 | 2.92430 | -0.01058 | -0.12547 |
| 25 | 70.840 | 0.03642 | 5.14009 | -0.00546 | 0.00790 |
| 26 | 73.174 | 0.03932 | 5.73298 | -0.00311 | 0.07848 |
| 27 | 75.507 | 0.03794 | 5.78884 | -0.00105 | 0.15085 |
| 28 | 80.507 | 0.03126 | 5.11233 | 0.00146 | 0.29364 |
| 29 | 81.090 | 0.03044 | 5.00479 | 0.00164 | 0.30891 |
| 30 | 81.674 | 0.02964 | 4.89613 | 0.00181 | 0.32409 |
| 31 | 84.507 | 0.02581 | 4.36865 | 0.00256 | 0.39787 |
| 32 | 87.340 | 0.02208 | 3.84153 | 0.00325 | 0.47168 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 47
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 13 section b appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | -0.00582 | -0.98761 | -0.00084 | -0.14342 |
| 2 | 5.208 | -0.00593 | -1.00631 | -0.00086 | -0.14688 |
| 3 | 7.708 | -0.00599 | -1.01533 | -0.00088 | -0.14855 |
| 4 | 10.208 | -0.00604 | -1.02437 | -0.00089 | -0.15023 |
| 5 | 10.792 | -0.00605 | -1.02649 | -0.00089 | -0.15062 |
| 6 | 11.375 | -0.00607 | -1.02861 | -0.00089 | -0.15101 |
| 7 | 16.375 | -0.00620 | -1.04924 | -0.00091 | -0.15421 |
| 8 | 19.250 | -0.00630 | -1.06492 | -0.00093 | -0.15616 |
| 9 | 22.125 | -0.00643 | -1.08529 | -0.00094 | -0.15866 |
| 10 | 27.125 | -0.00665 | -1.12567 | -0.00097 | -0.16423 |
| 11 | 27.708 | -0.00668 | -1.13053 | -0.00097 | -0.16494 |
| 12 | 28.292 | -0.00670 | -1.13552 | -0.00098 | -0.16568 |
| 13 | 33.292 | -0.00700 | -1.19711 | -0.00100 | -0.17431 |
| 14 | 36.167 | -0.00724 | -1.24473 | -0.00101 | -0.18118 |
| 15 | 39.042 | -0.00749 | -1.28490 | -0.00105 | -0.18815 |
| 16 | 44.042 | -0.00788 | -1.31452 | -0.00119 | -0.19709 |
| 17 | 44.625 | -0.00792 | -1.31498 | -0.00121 | -0.19785 |
| 18 | 45.208 | -0.00796 | -1.31505 | -0.00124 | -0.19859 |
| 19 | 50.208 | -0.00850 | -1.26284 | -0.00172 | -0.20314 |
| 20 | 54.941 | -0.00810 | -0.91285 | -0.00293 | -0.19354 |
| 21 | 59.674 | -0.00335 | -0.00032 | -0.00421 | -0.15432 |
| 22 | 64.674 | 0.00742 | 1.39046 | -0.00493 | -0.08846 |
| 23 | 65.257 | 0.00901 | 1.56482 | -0.00487 | -0.08002 |
| 24 | 65.840 | 0.01059 | 1.73821 | -0.00476 | -0.07143 |
| 25 | 70.840 | 0.02005 | 2.95183 | -0.00261 | 0.01851 |
| 26 | 73.174 | 0.02152 | 3.23105 | -0.00141 | 0.06993 |
| 27 | 75.507 | 0.02060 | 3.19794 | -0.00031 | 0.12248 |
| 28 | 80.507 | 0.01659 | 2.72946 | 0.00112 | 0.21843 |
| 29 | 81.090 | 0.01612 | 2.66468 | 0.00123 | 0.22786 |
| 30 | 81.674 | 0.01565 | 2.59963 | 0.00133 | 0.23718 |
| 31 | 84.507 | 0.01342 | 2.28383 | 0.00178 | 0.28249 |
| 32 | 87.340 | 0.01124 | 1.96823 | 0.00221 | 0.32782 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 48
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 14 section top appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.00040 | 0.06874 | 0.00019 | 0.03218 |
| 2 | 5.208 | 0.00037 | 0.06433 | 0.00019 | 0.03201 |
| 3 | 7.708 | 0.00036 | 0.06223 | 0.00019 | 0.03193 |
| 4 | 10.208 | 0.00035 | 0.06013 | 0.00019 | 0.03185 |
| 5 | 10.792 | 0.00034 | 0.05964 | 0.00019 | 0.03184 |
| 6 | 11.375 | 0.00034 | 0.05917 | 0.00019 | 0.03182 |
| 7 | 16.375 | 0.00033 | 0.05723 | 0.00019 | 0.03203 |
| 8 | 19.250 | 0.00034 | 0.05838 | 0.00019 | 0.03254 |
| 9 | 22.125 | 0.00036 | 0.06086 | 0.00020 | 0.03335 |
| 10 | 27.125 | 0.00037 | 0.06453 | 0.00020 | 0.03480 |
| 11 | 27.708 | 0.00037 | 0.06482 | 0.00021 | 0.03495 |
| 12 | 28.292 | 0.00037 | 0.06514 | 0.00021 | 0.03511 |
| 13 | 33.292 | 0.00040 | 0.07180 | 0.00021 | 0.03747 |
| 14 | 36.167 | 0.00041 | 0.07522 | 0.00022 | 0.03901 |
| 15 | 39.042 | 0.00037 | 0.06983 | 0.00022 | 0.03911 |
| 16 | 44.042 | 0.00023 | 0.03944 | 0.00021 | 0.03535 |
| 17 | 44.625 | 0.00021 | 0.03465 | 0.00021 | 0.03466 |
| 18 | 45.208 | 0.00019 | 0.02958 | 0.00021 | 0.03393 |
| 19 | 50.208 | -0.00017 | -0.05850 | 0.00021 | 0.02005 |
| 20 | 54.941 | -0.00155 | -0.33683 | 0.00009 | -0.02717 |
| 21 | 59.674 | -0.00516 | -0.91886 | -0.00049 | -0.12860 |
| 22 | 64.674 | -0.01106 | -1.72974 | -0.00172 | -0.27151 |
| 23 | 65.257 | -0.01184 | -1.82902 | -0.00190 | -0.28906 |
| 24 | 65.840 | -0.01264 | -1.92732 | -0.00210 | -0.30673 |
| 25 | 70.840 | -0.01939 | -2.50170 | -0.00487 | -0.47093 |
| 26 | 73.174 | -0.02064 | -2.34496 | -0.00718 | -0.55502 |
| 27 | 75.507 | -0.01680 | -1.55987 | -0.00992 | -0.64022 |
| 28 | 80.507 | 0.00624 | 1.24877 | -0.01634 | -0.81047 |
| 29 | 81.090 | 0.01071 | 1.62924 | -0.01663 | -0.82896 |
| 30 | 81.674 | 0.01518 | 2.01212 | -0.01660 | -0.84737 |
| 31 | 84.507 | 0.03304 | 3.87180 | -0.01529 | -0.93672 |
| 32 | 87.340 | 0.04903 | 5.73131 | -0.01487 | -1.02611 |



VEH: S2 - SPECIAL TR BRUG(5.75.44) page 49
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 14 section a appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.00042 | 0.07198 | 0.00018 | 0.03082 |
| 2 | 5.208 | 0.00040 | 0.06834 | 0.00018 | 0.03076 |
| 3 | 7.708 | 0.00039 | 0.06660 | 0.00018 | 0.03074 |
| 4 | 10.208 | 0.00038 | 0.06487 | 0.00018 | 0.03072 |
| 5 | 10.792 | 0.00037 | 0.06446 | 0.00018 | 0.03071 |
| 6 | 11.375 | 0.00037 | 0.06407 | 0.00018 | 0.03071 |
| 7 | 16.375 | 0.00036 | 0.06262 | 0.00018 | 0.03100 |
| 8 | 19.250 | 0.00037 | 0.06382 | 0.00019 | 0.03153 |
| 9 | 22.125 | 0.00039 | 0.06624 | 0.00019 | 0.03233 |
| 10 | 27.125 | 0.00041 | 0.06994 | 0.00020 | 0.03376 |
| 11 | 27.708 | 0.00041 | 0.07026 | 0.00020 | 0.03391 |
| 12 | 28.292 | 0.00041 | 0.07059 | 0.00020 | 0.03407 |
| 13 | 33.292 | 0.00043 | 0.07718 | 0.00021 | 0.03636 |
| 14 | 36.167 | 0.00044 | 0.08076 | 0.00021 | 0.03789 |
| 15 | 39.042 | 0.00042 | 0.07653 | 0.00021 | 0.03815 |
| 16 | 44.042 | 0.00030 | 0.05029 | 0.00021 | 0.03503 |
| 17 | 44.625 | 0.00028 | 0.04610 | 0.00021 | 0.03444 |
| 18 | 45.208 | 0.00026 | 0.04165 | 0.00021 | 0.03381 |
| 19 | 50.208 | -0.00006 | -0.03612 | 0.00021 | 0.02166 |
| 20 | 54.941 | -0.00130 | -0.28422 | 0.00010 | -0.02028 |
| 21 | 59.674 | -0.00453 | -0.80539 | -0.00042 | -0.11106 |
| 22 | 64.674 | -0.00977 | -1.53304 | -0.00153 | -0.23941 |
| 23 | 65.257 | -0.01046 | -1.62219 | -0.00169 | -0.25519 |
| 24 | 65.840 | -0.01117 | -1.71055 | -0.00187 | -0.27109 |
| 25 | 70.840 | -0.01707 | -2.24251 | -0.00434 | -0.42090 |
| 26 | 73.174 | -0.01807 | -2.11893 | -0.00638 | -0.49868 |
| 27 | 75.507 | -0.01456 | -1.43387 | -0.00877 | -0.57748 |
| 28 | 80.507 | 0.00559 | 1.05720 | -0.01409 | -0.73288 |
| 29 | 81.090 | 0.00919 | 1.39665 | -0.01434 | -0.74954 |
| 30 | 81.674 | 0.01279 | 1.73835 | -0.01434 | -0.76611 |
| 31 | 84.507 | 0.02817 | 3.39803 | -0.01347 | -0.84655 |
| 32 | 87.340 | 0.04222 | 5.05757 | -0.01324 | -0.92702 |

VEH: S2 - SPECIAL TR BRUG(5.75.44) page 50
date 11/09/2009; time 13:26:35
Cline Avenue - Load Rating - Double Box AND SINGLE BOX - 8

Slab 14 section b appendix

| Load at node | Distance | Moment concentr. | Moment u.d.l. | Axial force concentr. | Axial force u.d.l. |
|---|---|---|---|---|---|
| 1 | 0.000 | 0.00049 | 0.08367 | 0.00017 | 0.02867 |
| 2 | 5.208 | 0.00049 | 0.08273 | 0.00017 | 0.02901 |
| 3 | 7.708 | 0.00048 | 0.08228 | 0.00017 | 0.02917 |
| 4 | 10.208 | 0.00048 | 0.08184 | 0.00017 | 0.02933 |
| 5 | 10.792 | 0.00048 | 0.08174 | 0.00017 | 0.02936 |
| 6 | 11.375 | 0.00048 | 0.08164 | 0.00017 | 0.02940 |
| 7 | 16.375 | 0.00048 | 0.08191 | 0.00018 | 0.02993 |
| 8 | 19.250 | 0.00049 | 0.08328 | 0.00018 | 0.03047 |
| 9 | 22.125 | 0.00050 | 0.08550 | 0.00019 | 0.03119 |
| 10 | 27.125 | 0.00052 | 0.08931 | 0.00019 | 0.03252 |
| 11 | 27.708 | 0.00053 | 0.08970 | 0.00019 | 0.03267 |
| 12 | 28.292 | 0.00053 | 0.09011 | 0.00019 | 0.03282 |
| 13 | 33.292 | 0.00056 | 0.09641 | 0.00020 | 0.03486 |
| 14 | 36.167 | 0.00058 | 0.10054 | 0.00021 | 0.03635 |
| 15 | 39.042 | 0.00058 | 0.10040 | 0.00021 | 0.03717 |
| 16 | 44.042 | 0.00053 | 0.08869 | 0.00022 | 0.03639 |
| 17 | 44.625 | 0.00052 | 0.08661 | 0.00022 | 0.03616 |
| 18 | 45.208 | 0.00051 | 0.08439 | 0.00022 | 0.03590 |
| 19 | 50.208 | 0.00035 | 0.04283 | 0.00023 | 0.02999 |
| 20 | 54.941 | -0.00035 | -0.09890 | 0.00017 | 0.00674 |
| 21 | 59.674 | -0.00223 | -0.40568 | -0.00014 | -0.04634 |
| 22 | 64.674 | -0.00526 | -0.84005 | -0.00081 | -0.12318 |
| 23 | 65.257 | -0.00566 | -0.89347 | -0.00091 | -0.13269 |
| 24 | 65.840 | -0.00607 | -0.94682 | -0.00101 | -0.14233 |
| 25 | 70.840 | -0.00961 | -1.32939 | -0.00242 | -0.24102 |
| 26 | 73.174 | -0.01031 | -1.32282 | -0.00351 | -0.29621 |
| 27 | 75.507 | -0.00851 | -0.99043 | -0.00473 | -0.35211 |
| 28 | 80.507 | 0.00207 | 0.38127 | -0.00701 | -0.45470 |
| 29 | 81.090 | 0.00381 | 0.57616 | -0.00715 | -0.46488 |
| 30 | 81.674 | 0.00556 | 0.77274 | -0.00722 | -0.47495 |
| 31 | 84.507 | 0.01362 | 1.72759 | -0.00727 | -0.52386 |
| 32 | 87.340 | 0.02124 | 2.68237 | -0.00742 | -0.57279 |



PROGRAM : BRUG(5.75.44 DATE : 11/09/2009 START : 13:26:35
PROJECT : VEH: S2 - SP DATE : 11/09/2009 END : 13:26:36
TOTAL (msec) : 422