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30-OCT-09                                 GEORGIA DEPARTMENT OF TRANSPORTATION                                 PROB. NO. 0001
18:16:33                     PRECONSTUCTION DIVISION - OFFICE OF BRIDGE & STRUCTURAL DESIGN
                  THE ANALYSIS AND DESIGN OF PIERS FOR BRIDGES - V 4.2.07 - AASHTO SPECS 1984 INTERIM
                                                 REVISED:  JUNE 30, 2008
                          43' CURB-CURB; 6 BEAMS; 119' SPAN; 30' TALL; BRIDGE 26 ; PIER 13

                                                            DESIGN DATA
 DESIGN NO. NO. NO. SKEW ANG  F'C    FC     N    FY      FS      EC     ES     CONC.   Z   *  *  * CAP REINFORCING STEEL  *  *  *  CAP
OPTIONS CAN COL LLC  D  M  S  PSI    PSI         PSI     PSI     KSI    KSI    STRAIN FACT MAIN STR MAX  MAX  MIN  MIN  TOP   MIN DEPTH BOT
                                                                                           SIZE SIZ TOP  BOT SIZE  NO.  CL.  S.SP INCR. CL.
D D D L  2   2  13   0-00-00 3500. 1400.  8. 60000. 24000. 3409. 29000. 0.0030 170.  11   5  15   15   11    2  2.00  4.00 3.00 2.00

COLUMN REINFORCING STEEL   R   KL   OC   OF   CM  BD1  BD2 IMPACT SOIL WT ALL.S.P.  MIN   MAX  EDGE  PILE  REBAR ALL.PILE ALL.PILE I
MIN.P MAX.P CL.SP. CLEAR MODE COEF                          %      KCF      KSF   PL SP PL SP DIST  DEPTH CLEAR CAPACITY  UPLIFT  P
 1.00  8.00  2.50  3.750   1  2.00 0.75 0.90 0.00 1.00 0.75 20.49  0.120    0.000  3.00  9.00  1.250 1.000 3.000 235.000    -9.999

                                                          CAP DATA

CN  C     L       A      DE      BC      BE      DH      LH      XB1     XB2     XB3     XB4     XB5     XB6     XB7     XB8

11  L  11.500   2.500   4.000   5.500   5.500   2.000   9.000   7.876   5.376

12  C  23.298   2.500   6.000   5.500           0.000   0.000   2.500   5.241   7.810   5.247

13  3 SAME AS CANTILEVER  1

                                                           COLUMN DATA

CN P I T S   HT     A      DT     BT     DB     BB     DL      FLEX  ND NB SZ ND NB SZ ND NB SZ ND NB SZ  SLOPE    EP     AP

21 1 C R   30.000  0.000  5.000  0.000  0.000  0.000  4.000  0.000  19  0 11 19  0 11 42  0 11 42  0 11  0.000  0.000  0.000

22 1 2 SAME AS COLUMN 1

                                                  FOOTING DATA

CN S/P   B       D       T      DEL.B   DEL.D   DEL.T  R.B/D  R.D/B   S.HT.  NP  SYM.   BP      DP      SET.

31  P   2.000   2.000   3.000   0.500   0.500   0.250  1.000  1.000   2.500   4   3    0.000   0.000   0.000

32  2 SAME AS FOOTING 1

                                                       GROUP II WIND
SUPERSTRUCTURE AREA*STD.        WIND ON SUPERSTRUCTURE INTENSITIES       * WIND FORCE ARM  * WIND ON PIER
  TRANS.     LONG.  WIND FT1 FL1   FT2 FL2   FT3 FL3   FT4 FL4   FT5 FL5     APT     APL      PT      PL

   1160.     2321.   1    50   0    44   6    41  12    33  16    17  19    7.375   7.375    1.276  19.712

                                                            GROUP III WIND
STD. *   WIND ON SUPERSTRUCTURE INTENSITIES    *  STD. *      WIND ON LIVE LOAD INTENSITIES      *  LENGTHS OF LL * WIND ON LL ARMS
WIND FT1 FL1  FT2 FL2  FT3 FL3  FT4 FL4  FT5 FL5  WIND FT1 FL1  FT2 FL2  FT3 FL3  FT4 FL4  FT5 FL5   TRANS.  LONGI.   APT     APL

  1   50   0   44   6   41  12   33  16   17  19   1   100   0   88  12   82  24   66  32   34  38   119.0   238.0  15.583  15.583

                          MISCELLANEOUS FORCES
CENTRI.  TRACTION FORCE AND ARMS   EXPANSION   SHRINKAGE     STREAM FLOW
  FT       FL      APT     APL    COEFFICIENT COEFFICIENT    PT      PL

 0.000    8.516  15.583  15.583    0.00018000  0.00044000   0.000   0.000

                               DEAD LOAD SUPERSTRUCTURE AND LIVE LOAD CASES

I.D.  NL    P1       P2       P3       P4       P5       P6       P7       P8       P9       P10      P11      P12

D.L.   0  234.730    0.000  271.266    0.000  271.266  271.266    0.000  271.266    0.000  234.730

LL 1   1   75.795    0.000   47.298    0.000    0.000    0.000    0.000    0.000    0.000    0.000

LL 2   2   75.795    0.000   91.579    0.000   75.810    3.002    0.000    0.000    0.000    0.000

LL 3   3   75.795    0.000   91.579    0.000  102.833   78.813    0.000   20.260    0.000    0.000

LL 4   1    0.000    0.000    0.000    0.000    0.000    0.000    0.000   47.298    0.000   75.795

LL 5   2    0.000    0.000    0.000    0.000    3.002   75.810    0.000   91.579    0.000   75.795

LL 6   3    0.000    0.000   20.260    0.000   78.813  102.833    0.000   91.579    0.000   75.795

LL 7   1    0.000    0.000   23.641    0.000   75.810   23.641    0.000    0.000    0.000    0.000

LL 8   2   40.899    0.000   99.452    0.000   82.194   23.641    0.000    0.000    0.000    0.000

LL 9   3   40.899    0.000   99.452    0.000   88.577   99.452    0.000   40.899    0.000    0.000

LL10   2    0.000    0.000   32.270    0.000   90.823   90.823    0.000   32.270    0.000    0.000

LL11   3   51.775    0.000  103.589    0.000   90.823   90.823    0.000   32.270    0.000    0.000

LL12   2   75.795    0.000   47.298    0.000    0.000    0.000    0.000   47.298    0.000   75.795

LL13   3   75.795    0.000   91.579    0.000   75.810    3.002    0.000   47.298    0.000   75.795
                                         COLUMN MOMENTS(KIP-FEET), SHEARS(KIPS), REACTIONS(KIPS)

                                                TRANSVERSE                              *             LONGITUDINAL

       LOAD          COL      PC         MT         V         MB         RF         ML         MR         MT         V         MB         MF

UNIT F.AT CL.CAP     1      0.619      7.211      0.500      7.789      0.619      0.000     -7.211      2.000      0.500     15.000     15.000
                     2     -0.619      7.211      0.500      7.789     -0.619     -7.211      0.000      2.000      0.500     15.000     15.000

EXPANSION OF CAP     1      0.000    142.121     10.615    176.324      0.000      0.000   -142.121      0.000      0.000      0.000      0.000
                     2      0.000   -142.121    -10.615   -176.324      0.000    142.121      0.000      0.000      0.000      0.000      0.000

SHRINKAGE OF CAP     1      0.000   -347.407    -25.947   -431.015      0.000      0.000    347.407      0.000      0.000      0.000      0.000
                     2      0.000    347.407     25.947    431.015      0.000   -347.406      0.000      0.000      0.000      0.000      0.000
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DEAD LOAD TOTAL    1   884.495  -158.100    -7.906   -79.065   961.072  2112.940 -1954.840     0.000     0.000     0.000     0.000
                       961.072
                   2   884.354   158.121     7.906    79.045   960.930  1954.819 -2112.940     0.000     0.000     0.000     0.000
                       960.930

TRAC. FORCE 1 LN   1     0.000     0.000     0.000     0.000     0.000     0.000     0.000   -83.384    -4.258  -194.092  -194.092
                   2     0.000     0.000     0.000     0.000     0.000     0.000     0.000   -83.384    -4.258  -194.092  -194.092

WIND ON SUBSTR.    1     0.790     9.201     0.638     9.939     0.790     0.000    -9.201   -39.424    -9.856  -295.680  -295.680
                   2    -0.790     9.201     0.638     9.939    -0.790    -9.201     0.000   -39.424    -9.856  -295.680  -295.680

GROUP 2 WIND 1 1   1    55.052   427.426    29.638   461.714    55.052     0.000  -427.426   -39.424    -9.856  -295.680  -295.680
                   2   -55.052   427.426    29.638   461.714   -55.052  -427.426     0.000   -39.424    -9.856  -295.680  -295.680

GROUP 2 WIND 1 2   1    55.052   427.426    29.638   461.714    55.052     0.000  -427.426    39.424     9.856   295.680   295.680
                   2   -55.052   427.426    29.638   461.714   -55.052  -427.426     0.000    39.424     9.856   295.680   295.680

GROUP 2 WIND 2 1   1    48.541   377.239    26.158   407.501    48.541     0.000  -377.239  -118.628   -16.819  -555.922  -555.922
                   2   -48.541   377.239    26.158   407.501   -48.541  -377.239     0.000  -118.628   -16.819  -555.922  -555.922

GROUP 2 WIND 2 2   1    48.541   377.239    26.158   407.501    48.541     0.000  -377.239   118.628    16.819   555.922   555.922
                   2   -48.541   377.239    26.158   407.501   -48.541  -377.239     0.000   118.628    16.819   555.922   555.922

GROUP 2 WIND 3 1   1    45.285   352.145    24.418   380.395    45.285     0.000  -352.145  -197.832   -23.782  -816.164  -816.164
                   2   -45.285   352.145    24.418   380.395   -45.285  -352.145     0.000  -197.832   -23.782  -816.164  -816.164

GROUP 2 WIND 3 2   1    45.285   352.145    24.418   380.395    45.285     0.000  -352.145   197.832    23.782   816.164   816.164
                   2   -45.285   352.145    24.418   380.395   -45.285  -352.145     0.000   197.832    23.782   816.164   816.164

GROUP 2 WIND 4 1   1    36.603   285.229    19.778   308.111    36.603     0.000  -285.229  -250.635   -28.424  -989.659  -989.659
                   2   -36.603   285.229    19.778   308.111   -36.603  -285.229     0.000  -250.635   -28.424  -989.659  -989.659

GROUP 2 WIND 4 2   1    36.603   285.229    19.778   308.111    36.603     0.000  -285.229   250.635    28.424   989.659   989.659
                   2   -36.603   285.229    19.778   308.111   -36.603  -285.229     0.000   250.635    28.424   989.659   989.659

GROUP 2 WIND 5 1   1    19.239   151.397    10.498   163.543    19.239     0.000  -151.397  -290.237   -31.905 -1119.780 -1119.780
                   2   -19.239   151.397    10.498   163.543   -19.239  -151.397     0.000  -290.237   -31.905 -1119.780 -1119.780

GROUP 2 WIND 5 2   1    19.239   151.397    10.498   163.543    19.239     0.000  -151.397   290.237    31.905  1119.780  1119.780
                   2   -19.239   151.397    10.498   163.543   -19.239  -151.397     0.000   290.237    31.905  1119.780  1119.780

GROUP 3 WIND 1 1   1    31.841   214.036    14.841   231.206    31.841     0.000  -214.036   -11.827    -2.957   -88.704   -88.704
                   2   -31.841   214.036    14.841   231.206   -31.841  -214.036     0.000   -11.827    -2.957   -88.704   -88.704
                                      COLUMN MOMENTS(KIP-FEET), SHEARS(KIPS), REACTIONS(KIPS)

                                                  TRANSVERSE                                *            LONGITUDINAL

       LOAD        COL       PC        MT         V        MB        RF        ML        MR        MT         V        MB        MF

GROUP 3 WIND 1 2   1    31.841   214.036    14.841   231.206    31.841     0.000  -214.036    11.827     2.957    88.704    88.704
                   2   -31.841   214.036    14.841   231.206   -31.841  -214.036     0.000    11.827     2.957    88.704    88.704

GROUP 3 WIND 2 1   1    28.049   188.683    13.083   203.819    28.049     0.000  -188.683   -63.553    -6.474  -231.869  -231.869
                   2   -28.049   188.683    13.083   203.819   -28.049  -188.683     0.000   -63.553    -6.474  -231.869  -231.869

GROUP 3 WIND 2 2   1    28.049   188.683    13.083   203.819    28.049     0.000  -188.683    63.553     6.474   231.869   231.869
                   2   -28.049   188.683    13.083   203.819   -28.049  -188.683     0.000    63.553     6.474   231.869   231.869

GROUP 3 WIND 3 1   1    26.152   176.006    12.204   190.126    26.152     0.000  -176.006  -115.279    -9.991  -375.034  -375.034
                   2   -26.152   176.006    12.204   190.126   -26.152  -176.006     0.000  -115.279    -9.991  -375.034  -375.034

GROUP 3 WIND 3 2   1    26.152   176.006    12.204   190.126    26.152     0.000  -176.006   115.279     9.991   375.034   375.034
                   2   -26.152   176.006    12.204   190.126   -26.152  -176.006     0.000   115.279     9.991   375.034   375.034

GROUP 3 WIND 4 1   1    21.096   142.202     9.860   153.610    21.096     0.000  -142.202  -149.763   -12.335  -470.478  -470.478
                   2   -21.096   142.202     9.860   153.610   -21.096  -142.202     0.000  -149.763   -12.335  -470.478  -470.478

GROUP 3 WIND 4 2   1    21.096   142.202     9.860   153.610    21.096     0.000  -142.202   149.763    12.335   470.478   470.478
                   2   -21.096   142.202     9.860   153.610   -21.096  -142.202     0.000   149.763    12.335   470.478   470.478

GROUP 3 WIND 5 1   1    10.982    74.594     5.172    80.578    10.982     0.000   -74.594  -175.625   -14.094  -542.060  -542.060
                   2   -10.982    74.594     5.172    80.578   -10.982   -74.594     0.000  -175.625   -14.094  -542.060  -542.060

GROUP 3 WIND 5 2   1    10.982    74.594     5.172    80.578    10.982     0.000   -74.594   175.625    14.094   542.060   542.060
                   2   -10.982    74.594     5.172    80.578   -10.982   -74.594     0.000   175.625    14.094   542.060   542.060

LIVE LOAD LL 1     1   147.728  -108.496    -4.849   -36.982   147.728   596.961  -488.465     0.000     0.000     0.000     0.000
                   2   -24.635    85.475     4.849    60.003   -24.635   -85.475     0.000     0.000     0.000     0.000     0.000

LIVE LOAD LL 2     1   243.837   -39.876    -1.540    -6.324   243.837   596.961  -557.086     0.000     0.000     0.000     0.000
                   2     2.349    21.724     1.540    24.476     2.349   -21.724     0.000     0.000     0.000     0.000     0.000

LIVE LOAD LL 3     1   258.255    40.390     2.501    34.646   258.255   537.265  -577.656     0.000     0.000     0.000     0.000
                   2    74.097   -59.658    -2.501   -15.378    74.097    59.658     0.000     0.000     0.000     0.000     0.000

LIVE LOAD LL 4     1   -24.635   -85.475    -4.849   -60.003   -24.635     0.000    85.475     0.000     0.000     0.000     0.000
                   2   147.728   108.496     4.849    36.982   147.728   488.465  -596.961     0.000     0.000     0.000     0.000

LIVE LOAD LL 5     1     2.369   -21.697    -1.539   -24.467     2.369     0.000    21.697     0.000     0.000     0.000     0.000
                   2   243.817    39.855     1.539     6.309   243.817   557.106  -596.961     0.000     0.000     0.000     0.000

LIVE LOAD LL 6     1    74.139    59.672     2.502    15.375    74.139     0.000   -59.672     0.000     0.000     0.000     0.000
                   2   258.213   -40.391    -2.502   -34.656   258.213   577.657  -537.265     0.000     0.000     0.000     0.000

LIVE LOAD LL 7     1    82.273    85.270     4.176    40.017    82.273     0.000   -85.270     0.000     0.000     0.000     0.000
                   2    40.819   -81.779    -4.176   -43.508    40.819    81.779     0.000     0.000     0.000     0.000     0.000

LIVE LOAD LL 8     1   216.557    32.300     1.828    22.529   216.557   322.121  -354.420     0.000     0.000     0.000     0.000
                   2    29.629   -40.805    -1.828   -14.024    29.629    40.805     0.000     0.000     0.000     0.000     0.000

LIVE LOAD LL 9     1   221.246    89.128     4.752    53.435   221.246   289.908  -379.036     0.000     0.000     0.000     0.000
                   2   111.105  -100.956    -4.752   -41.607   111.105   100.955     0.000     0.000     0.000     0.000     0.000
                                      COLUMN MOMENTS(KIP-FEET), SHEARS(KIPS), REACTIONS(KIPS)

                                                  TRANSVERSE                                *            LONGITUDINAL
       LOAD        COL      PC         MT         V          MB         RF         ML         MR         MT          V          MB          MF

LIVE LOAD LL10      1   123.117   152.576     7.629     76.283    123.117     0.000  -152.576     0.000      0.000      0.000      0.000
                    2   123.069  -152.569    -7.629    -76.290    123.069   152.569     0.000     0.000      0.000      0.000      0.000

LIVE LOAD LL11      1   236.735    70.616     3.884     45.918    236.735   367.002  -437.618     0.000      0.000      0.000      0.000
                    2    95.617   -84.763    -3.884    -31.772     95.617    84.763     0.000     0.000      0.000      0.000      0.000

LIVE LOAD LL12      1   123.093  -193.971    -9.699    -96.986    123.093   596.961  -402.990     0.000      0.000      0.000      0.000
                    2   123.093   193.971     9.699     96.986    123.093   402.990  -596.961     0.000      0.000      0.000      0.000

LIVE LOAD LL13      1   197.282  -112.816    -5.750    -59.695    197.282   537.265  -424.449     0.000      0.000      0.000      0.000
                    2   135.069   117.198     5.750     55.312    135.069   420.067  -537.265     0.000      0.000      0.000      0.000
                                                    CAP ANALYSIS AND DESIGN DATA

                                                      CAP MOMENTS AND SHEARS

                              MOMENTS(KIP-FEET)                          **                  SHEARS(KIPS)

POINT   D.L.TOT.  G1 MAX.+  G1 MAX.-  G2 MAX.+  G2 MAX.-  G3 MAX.+  G3 MAX.-    DL T.LT  DL T.RT  G1 + LT  G1 + RT  G1 - LT  G1 - RT

P 1      -30.062   -30.062   -30.062   -30.062   -30.062   -30.062   -30.062    -17.112 -322.261  -17.112 -322.261  -17.112 -486.812

P 2    -1843.183 -1843.183 -2727.809 -1843.183 -1843.183 -1843.183 -2372.899   -353.411 -353.411 -353.411 -353.411 -517.962 -517.962

C 1L   -2746.822 -2746.822 -4042.825 -2746.822 -2746.822 -2746.822 -3522.871   -369.499          -369.499          -534.050

C 1R   -2541.292 -2355.726 -3795.382 -1985.639 -3096.945 -2151.928 -3570.491             427.699           661.339           374.217

P 4    -1492.153 -1318.275 -2418.906 -1055.749 -1928.558 -1169.503 -2265.627    411.612  411.612  645.252  645.252  358.130  358.130

P 5      576.724  1772.226  -298.168   763.135   390.314  1385.939   -40.509    377.886   25.240  611.526   78.722  324.404  -28.242

P 6      577.593  1773.496  -297.299   763.718   391.469  1386.906   -39.497    -25.017 -377.663   28.465 -324.181  -78.499 -611.211

P 7    -1492.586 -1308.519 -2419.339 -1056.182 -1928.990 -1163.835 -2266.060   -411.428 -411.428 -357.946 -357.946 -644.975 -644.975

C 2L   -2541.265 -2355.699 -3795.357 -1985.611 -3096.918 -2151.901 -3570.465   -427.515          -374.033          -661.063

C 2R   -2746.822 -2746.822 -4042.825 -2746.822 -2746.822 -2746.822 -3522.871             369.499           534.050           369.499

P 9    -1843.183 -1843.183 -2727.809 -1843.183 -1843.183 -1843.183 -2372.899    353.411  353.411  517.962  517.962  353.411  353.411

P10      -30.062   -30.062   -30.062   -30.062   -30.062   -30.062   -30.062    322.261   17.112  486.812   17.112  322.261   17.112
                                                             CAP DESIGN DATA
PT.   M+ UNF.   M- UNF.  TOP REINFORCE.  BOT.REINFORCE.    LEFT STIRRUPS       RIGHT STIRRUPS      D     FC    PS    FS/FF  FS/FZ
       K-FT.     K-FT.     AS  NO.SIZE     AS  NO.SIZE   M.SP. AV/IN BAR&SPAC  M.SP. AV/IN BAR&SPAC  IN.    PSI    %    RATIO  RATIO

P 1   -23.124   -23.124   3.12  2 # 11    3.12  2 # 11    0.00 0.000 #5@ 0.00  24.00 0.055 #5@11.27  57.66         0.09  0.000  0.090

P 2 -1417.833 -1825.307   9.01  6 # 11    3.12  2 # 11   24.00 0.055 #5@11.27  24.00 0.055 #5@11.27  72.00         0.20  0.572  1.324

C 1 -1869.365 -2709.901  13.48  9 # 11    3.12  2 # 11   24.00 0.055 #5@11.27  24.00 0.059 #5@10.57  72.00         0.32  0.740  1.158

P 4 -1067.719 -1574.689   8.34  6 # 11    3.12  2 # 11   24.00 0.055 #5@11.27  24.00 0.055 #5@11.27  72.00         0.18  0.611  1.142

P 5   994.303    40.644   3.12  2 # 11    7.75  5 # 11   24.00 0.055 #5@11.27   0.00 0.000 #5@ 0.00  72.00         0.17  0.948  0.916

P 6   995.156    41.312   3.12  2 # 11    7.75  5 # 11    0.00 0.000 #5@ 0.00  24.00 0.055 #5@11.27  72.00         0.17  0.948  0.917

P 7 -1063.359 -1575.022   8.34  6 # 11    3.12  2 # 11   24.00 0.055 #5@11.27  24.00 0.055 #5@11.27  72.00         0.18  0.616  1.143

C 2 -1869.344 -2709.901  13.48  9 # 11    3.12  2 # 11   24.00 0.059 #5@10.58  24.00 0.055 #5@11.27  72.00         0.32  0.740  1.158

P 9 -1417.833 -1825.307   9.01  6 # 11    3.12  2 # 11   24.00 0.055 #5@11.27  24.00 0.055 #5@11.27  72.00         0.20  0.572  1.324

P10   -23.124   -23.124   3.12  2 # 11    3.12  2 # 11   24.00 0.055 #5@11.27   0.00 0.000 #5@ 0.00  57.66         0.09  0.000  0.090

NOTE: *** FS/FZ RATIO EXCEEDS 1.0! ***
                                             COLUMN ANALYSIS AND DESIGN OUTPUT

                                                 CRITICAL COLUMN LOADS
    T                   E  C  S
CN  B   GR  LLC   WC   R  S  F  F     PF      MTF     MLF     PM     MTM     MLM     PU      MTU     MLU    PU/PM    B       D

 1  T    1 LL 3 0.0                 1710.5  -117.8     0.0  1710.5   455.4   540.9  5944.7  1583.6  1881.0  3.476  60.00  60.00

 1  B    3 LL 3 5.1                 1599.4    47.0-1385.9  1599.4   421.6  1699.2  3894.4  1027.6  4141.5  2.436  60.00  60.00

 2  T    1 LL 6 0.0                 1710.2   117.9     0.0  1710.2   455.3   540.8  5944.8  1583.6  1880.9  3.476  60.00  60.00

 2  B    3 LL 6 5.1  R              1599.2   -47.0 1385.9  1599.2   421.6  1699.2  3894.1  1027.5  4141.7  2.436  60.00  60.00



                                                COLUMN DESIGN DATA
    T  B FACE 1  B FACE 2  D FACE 3  D FACE 4
CN  B   NO.SIZE   NO.SIZE   NO.SIZE   NO.SIZE   AS     PS    BD12   BD     SUMPU     SUMPC   DEL.T     DEL.L      CM    R  PHIC

 1  T   19 # 11    0 #  0    0 #  0    0 #  0  29.64  1.048  1.00  0.421    3121.    51176.  1.065     1.265     1.000  1  0.75

 1  B   19 # 11    0 #  0    0 #  0    0 #  0  29.64  1.048  1.00  0.136    2831.    54828.  1.054     1.226     1.000  1  0.75

 2  T   19 # 11    0 #  0    0 #  0    0 #  0  29.64  1.048  1.00  0.421    3121.    51179.  1.065     1.265     1.000  1  0.75

 2  B   19 # 11    0 #  0    0 #  0    0 #  0  29.64  1.048  1.00  0.136    2831.    54826.  1.054     1.226     1.000  1  0.75


                                                      FOOTING 1 DESIGN LOADS

F G LLID   WC  ES  C  S        P        MT      VT       ML       VL      P4      P3      P2      P1      MTF     VBF     VPF     LOAD

1 3 LL 3  5.1R            1164.427 -130.889 -11.002 1066.110  25.590 276.356 122.266 137.323 291.413  95.482  -0.467  41.430  MAX.P1

1 3 LL 3  4.1             1555.456  134.288   5.240-1292.885 -30.981 362.479 175.637 189.204 376.046 125.943  -0.607  55.309  MAX.MT
```

```
2 3 LL 6  5.1R            1542.079  -39.385   0.854 1385.943  33.267 372.153 171.836 175.071 375.388 122.539  -0.607  54.844  MAX.VT
1 3 LL 3  4.1             1555.456  134.288   5.240-1292.885 -30.981 362.479 175.637 189.204 376.046 125.943  -0.607  55.309  MAX.VP
1 3 LL 3  5.1             1542.309   39.347  -0.854-1385.943 -33.267 372.193 171.876 175.108 375.425 110.559  -0.607  54.852  MAX.ML
2 3 LL 6  5.1R            1542.079  -39.385   0.854 1385.943  33.267 372.153 171.836 175.071 375.388 110.548  -0.607  54.844  MAX.VL
1 3 LL13  5.1R            1113.823 -209.187 -17.850 1066.110  25.590 263.377 109.287 133.434 287.524  93.692  -0.467  39.670  MAX.P3
                                   FOOTING 1 ANALYSIS/DESIGN RESULTS
     FOOTING SIZE             *   BAR REINFORCEMENT STEEL     *         SECTION CAPACITIES         *
   B       D       T    P1/PA   AS   NO.SIZE  SPAC. PLACEMENT    MT.     VB      VP      DS      FC
10.000  10.000   3.500  0.992  0.99  17 # 7 @ 7.000  TOP LONG 113.398  30.851  61.702  25.562  0.000
                               1.09  14 # 8 @ 8.500  BOT.TRAN 127.265  31.982  63.965  26.500  0.000
NUMBER OF PILES =  6  BP = 3.750  DP = 3.750
FOOTING 2 DESIGN SAME AS FOOTING 1
```