

■ 용산교

SYSTEM
DOF=UX,UY,UZ,RX,RY,RZ LENGTH=m FORCE=KN PAGE=SECTIONS

JOINT
1 X=0 Y=0 Z=0
2 X=14.75 Y=0 Z=0
3 X=29.5 Y=0 Z=0
4 X=30 Y=0 Z=-1.97
5 X=30.5 Y=0 Z=0
6 X=45 Y=0 Z=0
7 X=59.5 Y=0 Z=0
8 X=60 Y=0 Z=-1.97
9 X=60.5 Y=0 Z=0
10 X=75.25 Y=0 Z=0
11 X=90 Y=0 Z=0
12 X=.6595144 Y=-2.3 Z=0
13 X=15.40951 Y=-2.3 Z=0
14 X=30.15951 Y=-2.3 Z=0
15 X=30.65951 Y=-2.3 Z=-1.97
16 X=31.15951 Y=-2.3 Z=0
17 X=45.65952 Y=-2.3 Z=0
18 X=60.15952 Y=-2.3 Z=0
19 X=60.65952 Y=-2.3 Z=-1.97
20 X=61.15952 Y=-2.3 Z=0
21 X=75.95952 Y=-2.3 Z=0
22 X=90.65952 Y=-2.3 Z=0
23 X=1.319029 Y=4.6 Z=0
24 X=16.06903 Y=4.6 Z=0
25 X=30.81903 Y=4.6 Z=0
26 X=31.31903 Y=4.6 Z=-1.97
27 X=31.81903 Y=4.6 Z=0
28 X=46.31903 Y=4.6 Z=0
29 X=60.81903 Y=4.6 Z=0
30 X=61.31903 Y=4.6 Z=-1.97
31 X=61.81903 Y=4.6 Z=0
32 X=76.59903 Y=4.6 Z=0
33 X=91.31903 Y=4.6 Z=0
34 X=1.978543 Y=6.9 Z=0
35 X=16.72854 Y=6.9 Z=0
36 X=31.47854 Y=6.9 Z=0
37 X=31.97854 Y=6.9 Z=-1.97
38 X=32.47854 Y=6.9 Z=0
39 X=46.97854 Y=6.9 Z=0
40 X=61.47854 Y=6.9 Z=0
41 X=61.97854 Y=6.9 Z=-1.97
42 X=62.47854 Y=6.9 Z=0
43 X=77.22855 Y=6.9 Z=0
44 X=91.97855 Y=6.9 Z=0
45 X=2.638057 Y=9.2 Z=0
46 X=17.38806 Y=9.2 Z=0
47 X=32.13806 Y=9.2 Z=0
48 X=32.63806 Y=9.2 Z=-1.97
49 X=33.13806 Y=9.2 Z=0
50 X=47.63806 Y=9.2 Z=0
51 X=62.13806 Y=9.2 Z=0
52 X=62.63806 Y=9.2 Z=-1.97
53 X=63.13806 Y=9.2 Z=0
54 X=77.88805 Y=9.2 Z=0
55 X=92.63805 Y=9.2 Z=0

RESTRAINT
ADD=1 DOF=U3
ADD=12 DOF=U3
ADD=23 DOF=U2,U3
ADD=34 DOF=U3
ADD=45 DOF=U3
ADD=4 DOF=U3
ADD=15 DOF=U3
ADD=26 DOF=U2,U3
ADD=37 DOF=U3

DOF=U3 KE=1470 CE=0 K=1470 YIELD=10000 RATIO=0
NAME=PER TYPE=Isolator1
DOF=U1 KE=415390 CE=0
DOF=U2 KE=2350 CE=0 K=2350 YIELD=10000 RATIO=0
DOF=U3 KE=2350 CE=0 K=2350 YIELD=10000 RATIO=0

FRAME
1 J=1,2 SEC=STARTJ NSEG=4 ANG=0
2 J=2,3 SEC=ENDJ NSEG=4 ANG=0
3 J=3,4 SEC=DUMMY NSEG=2 ANG=0
4 J=3,5 SEC=DUMMY NSEG=4 ANG=0
5 J=5,4 SEC=DUMMY NSEG=2 ANG=0
6 J=5,6 SEC=STARTJ NSEG=4 ANG=0
7 J=6,7 SEC=ENDJ NSEG=4 ANG=0
8 J=7,8 SEC=DUMMY NSEG=2 ANG=0
9 J=7,9 SEC=DUMMY NSEG=4 ANG=0
10 J=9,8 SEC=DUMMY NSEG=2 ANG=0
11 J=9,10 SEC=STARTJ NSEG=4 ANG=0
12 J=10,11 SEC=ENDJ NSEG=4 ANG=0
13 J=12,1 SEC=CROSSSEND NSEG=4 ANG=0
14 J=13,2 SEC=CROSSMID NSEG=4 ANG=0
15 J=14,3 SEC=CROSPIER NSEG=4 ANG=0
16 J=16,5 SEC=CROSPIER NSEG=4 ANG=0
17 J=17,6 SEC=CROSSMID NSEG=4 ANG=0
18 J=18,7 SEC=CROSPIER NSEG=4 ANG=0
19 J=20,9 SEC=CROSPIER NSEG=4 ANG=0
20 J=21,10 SEC=CROSSMID NSEG=4 ANG=0
21 J=22,11 SEC=CROSSSEND NSEG=4 ANG=0
22 J=12,13 SEC=STARTM NSEG=4 ANG=0
23 J=13,14 SEC=ENDM NSEG=4 ANG=0
24 J=14,15 SEC=DUMMY NSEG=2 ANG=0
25 J=14,16 SEC=DUMMY NSEG=4 ANG=0
26 J=16,15 SEC=DUMMY NSEG=2 ANG=0
27 J=16,17 SEC=STARTM NSEG=4 ANG=0
28 J=17,18 SEC=ENDM NSEG=4 ANG=0
29 J=18,19 SEC=DUMMY NSEG=2 ANG=0
30 J=18,20 SEC=DUMMY NSEG=4 ANG=0
31 J=20,19 SEC=DUMMY NSEG=2 ANG=0
32 J=20,21 SEC=STARTM NSEG=4 ANG=0
33 J=21,22 SEC=ENDM NSEG=4 ANG=0
34 J=23,12 SEC=CROSSSEND NSEG=4 ANG=0
35 J=24,13 SEC=CROSSMID NSEG=4 ANG=0
36 J=25,14 SEC=CROSPIER NSEG=4 ANG=0
37 J=27,16 SEC=CROSPIER NSEG=4 ANG=0
38 J=28,17 SEC=CROSSMID NSEG=4 ANG=0
39 J=28,18 SEC=CROSPIER NSEG=4 ANG=0
40 J=31,20 SEC=CROSPIER NSEG=4 ANG=0
41 J=32,21 SEC=CROSSMID NSEG=4 ANG=0
42 J=33,22 SEC=CROSSSEND NSEG=4 ANG=0
43 J=23,24 SEC=STARTM NSEG=4 ANG=0
44 J=24,25 SEC=ENDM NSEG=4 ANG=0
45 J=25,26 SEC=DUMMY NSEG=2 ANG=0
46 J=25,27 SEC=DUMMY NSEG=4 ANG=0
47 J=27,26 SEC=DUMMY NSEG=2 ANG=0
48 J=27,28 SEC=STARTM NSEG=4 ANG=0
49 J=28,29 SEC=ENDM NSEG=4 ANG=0
50 J=29,30 SEC=DUMMY NSEG=2 ANG=0
51 J=29,31 SEC=DUMMY NSEG=4 ANG=0
52 J=31,30 SEC=DUMMY NSEG=2 ANG=0
53 J=31,32 SEC=STARTM NSEG=4 ANG=0
54 J=32,33 SEC=ENDM NSEG=4 ANG=0
55 J=34,23 SEC=CROSSSEND NSEG=4 ANG=0
56 J=35,24 SEC=CROSSMID NSEG=4 ANG=0
57 J=36,25 SEC=CROSPIER NSEG=4 ANG=0
58 J=38,27 SEC=CROSPIER NSEG=4 ANG=0
59 J=39,28 SEC=CROSSMID NSEG=4 ANG=0
60 J=40,29 SEC=CROSPIER NSEG=4 ANG=0
61 J=42,31 SEC=CROSPIER NSEG=4 ANG=0
62 J=43,32 SEC=CROSSMID NSEG=4 ANG=0
63 J=44,33 SEC=CROSSSEND NSEG=4 ANG=0
64 J=34,35 SEC=STARTM NSEG=4 ANG=0
65 J=35,36 SEC=ENDM NSEG=4 ANG=0
66 J=36,37 SEC=DUMMY NSEG=2 ANG=0

ADD=48 DOF=U3
ADD=8 DOF=U1,U3
ADD=19 DOF=U1,U3
ADD=30 DOF=U1,U2,U3
ADD=41 DOF=U1,U3
ADD=52 DOF=U1,U3
ADD=11 DOF=U3
ADD=22 DOF=U3
ADD=33 DOF=U2,U3
ADD=44 DOF=U3
ADD=55 DOF=U3

PATTERN
NAME=DEFAULT

MATERIAL
NAME=STEEL IDES=S M=7.8271 W=76.8196
T=0 E=1.569E+08 U=3 A=0.000117 FY=248211.3
NAME=CONC IDES=C M=2.498734 W=24.51662
T=0 E=2.412436E+07 U=2 A=0.000099
NAME=DUMMY1 IDES=S
T=0 E=1E+09 U=3 A=0.000012 FY=248211.3
NAME=CROSS1 IDES=N
T=0 E=2.4E+07 U=2 A=0.000099
NAME=PSC1 IDES=N
T=0 E=3E+07 U=2 A=0.000099
NAME=CON27 IDES=N
T=0 E=2.442192E+07 U=167 A=0.00001
NAME=CON40 IDES=N W=25
T=0 E=2.857103E+07 U=167 A=0.00001
NAME=DUMMY IDES=C
T=0 E=1E+10 U=2 A=0.00001

FRAME SECTION
NAME=BEAMENDB MAT=CON40 A=1.824451 J=.145204 I=.9013087,2106233 AS=0.0 T=1,1
NAME=BEAMENDJ MAT=CON40 A=1.813766 J=.1449814 I=.8940888,2003694 AS=0.0 T=1,1
NAME=BEAMENDM MAT=CON40 A=1.820819 J=.1451283 I=.8989811,2070887 AS=0.0 T=1,1
NAME=BEAMMIDB MAT=CON40 A=1.11934 J=1.560415E-02 I=.7003237,1326527 AS=0.0 T=1,1
NAME=BEAMMIDJ MAT=CON40 A=1.108655 J=1.538155E-02 I=.6949443,1243534 AS=0.0 T=1,1
NAME=BEAMMIDM MAT=CON40 A=1.164858 J=1.655204E-02 I=.7221605,1726904 AS=0.0 T=1,1
NAME=CROSSSEND MAT=CON27 A=.4766667 J=.0128761 I=.852321E-02,1.387555E-02 AS=0.0 T=1,1
NAME=CROSSMID MAT=CON27 A=.67475 J=1.640389E-02 I=.2547757,7.943112E-03 AS=0.0 T=1,1
NAME=CROSPIER MAT=CON27 A=.67475 J=1.640389E-02 I=.2547757,7.943112E-03 AS=0.0 T=1,1
NAME=DUMMY MAT=DUMMY A=100 J=10 I=100,100 AS=0.0 T=1,1
NAME=STARTB TYPE=NONPR
SEC=BEAMENDB.BEAMENDB EVAR=1,1 VL=2
SEC=BEAMENDB.BEAMMIDB EVAR=1,1 VL=3,4
SEC=BEAMMIDB.BEAMMIDB EVAR=1,1 VL=10,95
NAME=STARTM TYPE=NONPR
SEC=BEAMENDM.BEAMENDM EVAR=1,1 VL=2
SEC=BEAMENDM.BEAMMIDM EVAR=1,1 VL=3,4
SEC=BEAMMIDM.BEAMMIDM EVAR=1,1 VL=10,95
NAME=STARTJ TYPE=NONPR
SEC=BEAMENDJ.BEAMENDJ EVAR=1,1 VL=2
SEC=BEAMENDJ.BEAMMIDJ EVAR=1,1 VL=3,4
SEC=BEAMMIDJ.BEAMMIDJ EVAR=1,1 VL=10,95
NAME=ENDB TYPE=NONPR
SEC=BEAMMIDB.BEAMMIDB EVAR=1,1 VL=10,95
SEC=BEAMMIDB.BEAMENDB EVAR=1,1 VL=3,4
SEC=BEAMENDB.BEAMENDB EVAR=1,1 VL=2
NAME=ENDJ TYPE=NONPR
SEC=BEAMMIDJ.BEAMMIDJ EVAR=1,1 VL=10,95
SEC=BEAMMIDJ.BEAMENDJ EVAR=1,1 VL=3,4
SEC=BEAMENDJ.BEAMENDJ EVAR=1,1 VL=2
NAME=ENDM TYPE=NONPR
SEC=BEAMMIDM.BEAMMIDM EVAR=1,1 VL=10,95
SEC=BEAMMIDM.BEAMENDM EVAR=1,1 VL=3,4
SEC=BEAMENDM.BEAMENDM EVAR=1,1 VL=2

NLPROP
NAME=ABUT TYPE=Isolator1
DOF=U1 KE=259620 CE=0
DOF=U2 KE=1470 CE=0 K=1470 YIELD=10000 RATIO=0

67 J=36,38 SEC=DUMMY NSEG=4 ANG=0
68 J=38,37 SEC=DUMMY NSEG=2 ANG=0
69 J=38,39 SEC=STARTM NSEG=4 ANG=0
70 J=39,40 SEC=ENDM NSEG=4 ANG=0
71 J=40,41 SEC=DUMMY NSEG=2 ANG=0
72 J=40,42 SEC=DUMMY NSEG=4 ANG=0
73 J=42,41 SEC=DUMMY NSEG=2 ANG=0
74 J=42,43 SEC=STARTM NSEG=4 ANG=0
75 J=43,44 SEC=ENDM NSEG=4 ANG=0
76 J=45,34 SEC=CROSSSEND NSEG=4 ANG=0
77 J=46,35 SEC=CROSSMID NSEG=4 ANG=0
78 J=47,36 SEC=CROSPIER NSEG=4 ANG=0
79 J=49,38 SEC=CROSPIER NSEG=4 ANG=0
80 J=50,39 SEC=CROSSMID NSEG=4 ANG=0
81 J=51,40 SEC=CROSPIER NSEG=4 ANG=0
82 J=53,42 SEC=CROSPIER NSEG=4 ANG=0
83 J=54,43 SEC=CROSSMID NSEG=4 ANG=0
84 J=55,44 SEC=CROSSSEND NSEG=4 ANG=0
85 J=45,46 SEC=STARTB NSEG=4 ANG=0
86 J=46,47 SEC=ENDB NSEG=4 ANG=0
87 J=47,48 SEC=DUMMY NSEG=2 ANG=0
88 J=47,49 SEC=DUMMY NSEG=4 ANG=0
89 J=49,48 SEC=DUMMY NSEG=2 ANG=0
90 J=49,50 SEC=STARTB NSEG=4 ANG=0
91 J=50,51 SEC=ENDB NSEG=4 ANG=0
92 J=51,52 SEC=DUMMY NSEG=2 ANG=0
93 J=51,53 SEC=DUMMY NSEG=4 ANG=0
94 J=53,52 SEC=DUMMY NSEG=2 ANG=0
95 J=53,54 SEC=STARTB NSEG=4 ANG=0
96 J=54,55 SEC=ENDB NSEG=4 ANG=0

LOAD
NAME=SLAB CSYS=0
TYPE=DISTRIBUTED SPAN
ADD=1 RD=0,4 UZ=-15.314,-15.314
ADD=85 RD=0,4 UZ=-15.314,-15.314
ADD=1 RD=4,8 UZ=-15.314,-15.314
ADD=85 RD=4,8 UZ=-15.314,-15.314
ADD=1 RD=8,1 UZ=-15.314,-15.314
ADD=85 RD=8,1 UZ=-15.314,-15.314
ADD=2 RD=0,2 UZ=-15.314,-15.314
ADD=86 RD=0,2 UZ=-15.314,-15.314
ADD=2 RD=2,6 UZ=-15.314,-15.314
ADD=86 RD=2,6 UZ=-15.314,-15.314
ADD=2 RD=6,1 UZ=-15.314,-15.314
ADD=86 RD=6,1 UZ=-15.314,-15.314
ADD=4 RD=0,1 UZ=-15.314,-15.314
ADD=88 RD=0,1 UZ=-15.314,-15.314
ADD=6 RD=0,4 UZ=-15.314,-15.314
ADD=90 RD=0,4 UZ=-15.314,-15.314
ADD=6 RD=4,8 UZ=-15.314,-15.314
ADD=90 RD=4,8 UZ=-15.314,-15.314
ADD=6 RD=8,1 UZ=-15.314,-15.314
ADD=90 RD=8,1 UZ=-15.314,-15.314
ADD=7 RD=0,2 UZ=-15.314,-15.314
ADD=91 RD=0,2 UZ=-15.314,-15.314
ADD=7 RD=2,6 UZ=-15.314,-15.314
ADD=91 RD=2,6 UZ=-15.314,-15.314
ADD=7 RD=6,1 UZ=-15.314,-15.314
ADD=91 RD=6,1 UZ=-15.314,-15.314
ADD=9 RD=0,1 UZ=-15.314,-15.314
ADD=93 RD=0,1 UZ=-15.314,-15.314
ADD=11 RD=0,4 UZ=-15.314,-15.314
ADD=95 RD=0,4000003 UZ=-15.314,-15.314
ADD=11 RD=4,8 UZ=-15.314,-15.314
ADD=95 RD=4000003,8000005 UZ=-15.314,-15.314
ADD=11 RD=8,1 UZ=-15.314,-15.314
ADD=95 RD=8000005,1 UZ=-15.314,-15.314
ADD=12 RD=0,2 UZ=-15.314,-15.314
ADD=96 RD=0,2 UZ=-15.314,-15.314
ADD=12 RD=2,6 UZ=-15.314,-15.314
ADD=96 RD=2,6 UZ=-15.314,-15.314
ADD=12 RD=6,1 UZ=-15.314,-15.314

ADD=66 RD=6.1 UZ=-15.314,-15.314
ADD=22 RD=0.3,4000001 UZ=-13.273,-13.273
ADD=64 RD=0.4 UZ=-13.273,-13.273
ADD=22 RD=0.4000001,8 UZ=-13.273,-13.273
ADD=64 RD=4.8 UZ=-13.273,-13.273
ADD=22 RD=8.1 UZ=-13.273,-13.273
ADD=64 RD=8.1 UZ=-13.273,-13.273
ADD=23 RD=0.2 UZ=-13.273,-13.273
ADD=65 RD=0.2 UZ=-13.273,-13.273
ADD=23 RD=2.6 UZ=-13.273,-13.273
ADD=65 RD=2.6 UZ=-13.273,-13.273
ADD=23 RD=6.1 UZ=-13.273,-13.273
ADD=65 RD=6.1 UZ=-13.273,-13.273
ADD=25 RD=0.1 UZ=-13.273,-13.273
ADD=67 RD=0.1 UZ=-13.273,-13.273
ADD=27 RD=0.3999997 UZ=-13.273,-13.273
ADD=69 RD=0.4 UZ=-13.273,-13.273
ADD=27 RD=3999997,7999995 UZ=-13.273,-13.273
ADD=69 RD=4.8 UZ=-13.273,-13.273
ADD=27 RD=7999995,1 UZ=-13.273,-13.273
ADD=69 RD=8.1 UZ=-13.273,-13.273
ADD=26 RD=0.2 UZ=-13.273,-13.273
ADD=70 RD=0.2 UZ=-13.273,-13.273
ADD=26 RD=2.6 UZ=-13.273,-13.273
ADD=70 RD=2.6 UZ=-13.273,-13.273
ADD=26 RD=6.1 UZ=-13.273,-13.273
ADD=70 RD=6.1 UZ=-13.273,-13.273
ADD=30 RD=0.1 UZ=-13.273,-13.273
ADD=72 RD=0.1 UZ=-13.273,-13.273
ADD=32 RD=0.4 UZ=-13.273,-13.273
ADD=74 RD=0.3999997 UZ=-13.273,-13.273
ADD=32 RD=4.8 UZ=-13.273,-13.273
ADD=74 RD=3999997,7999995 UZ=-13.273,-13.273
ADD=32 RD=8.1 UZ=-13.273,-13.273
ADD=74 RD=7999995,1 UZ=-13.273,-13.273
ADD=33 RD=0.2 UZ=-13.273,-13.273
ADD=75 RD=0.2 UZ=-13.273,-13.273
ADD=33 RD=2.6 UZ=-13.273,-13.273
ADD=75 RD=2.6 UZ=-13.273,-13.273
ADD=33 RD=6.1 UZ=-13.273,-13.273
ADD=75 RD=6.1 UZ=-13.273,-13.273
ADD=43 RD=0.4 UZ=-14.912,-14.912
ADD=43 RD=4.8 UZ=-14.912,-14.912
ADD=43 RD=8.1 UZ=-14.912,-14.912
ADD=44 RD=0.2 UZ=-14.912,-14.912
ADD=44 RD=2.6 UZ=-14.912,-14.912
ADD=44 RD=6.1 UZ=-14.912,-14.912
ADD=46 RD=0.1 UZ=-14.912,-14.912
ADD=48 RD=0.4 UZ=-14.912,-14.912
ADD=48 RD=4.8 UZ=-14.912,-14.912
ADD=48 RD=8.1 UZ=-14.912,-14.912
ADD=48 RD=0.2 UZ=-14.912,-14.912
ADD=49 RD=2.6 UZ=-14.912,-14.912
ADD=49 RD=6.1 UZ=-14.912,-14.912
ADD=51 RD=0.1 UZ=-14.912,-14.912
ADD=53 RD=0.4 UZ=-14.912,-14.912
ADD=53 RD=4.8 UZ=-14.912,-14.912
ADD=53 RD=8.1 UZ=-14.912,-14.912
ADD=54 RD=0.2 UZ=-14.912,-14.912
ADD=54 RD=2.6 UZ=-14.912,-14.912
ADD=54 RD=6.1 UZ=-14.912,-14.912
NAME=AFTER CSYS=0
TYPE=DISTRIBUTED SPAN
ADD=1 RD=0.4 UZ=-17.173,-17.173
ADD=65 RD=0.4 UZ=-17.173,-17.173
ADD=1 RD=4.8 UZ=-17.173,-17.173
ADD=65 RD=4.8 UZ=-17.173,-17.173
ADD=1 RD=8.1 UZ=-17.173,-17.173
ADD=65 RD=8.1 UZ=-17.173,-17.173
ADD=2 RD=0.2 UZ=-17.173,-17.173
ADD=66 RD=0.2 UZ=-17.173,-17.173
ADD=2 RD=2.6 UZ=-17.173,-17.173
ADD=66 RD=2.6 UZ=-17.173,-17.173

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ADD=44 RD=0.2 UZ=-7.269,-7.269
ADD=44 RD=2.6 UZ=-7.269,-7.269
ADD=44 RD=6.1 UZ=-7.269,-7.269
ADD=46 RD=0.1 UZ=-7.269,-7.269
ADD=48 RD=0.4 UZ=-7.269,-7.269
ADD=48 RD=4.8 UZ=-7.269,-7.269
ADD=48 RD=8.1 UZ=-7.269,-7.269
ADD=49 RD=0.2 UZ=-7.269,-7.269
ADD=49 RD=2.6 UZ=-7.269,-7.269
ADD=49 RD=6.1 UZ=-7.269,-7.269
ADD=51 RD=0.1 UZ=-7.269,-7.269
ADD=53 RD=0.4 UZ=-7.269,-7.269
ADD=53 RD=4.8 UZ=-7.269,-7.269
ADD=53 RD=8.1 UZ=-7.269,-7.269
ADD=54 RD=0.2 UZ=-7.269,-7.269
ADD=54 RD=2.6 UZ=-7.269,-7.269
ADD=54 RD=6.1 UZ=-7.269,-7.269
NAME=A1 CSYS=0
TYPE=RESTRAINT DISPLACEMENT
ADD=1 UZ=-.01
ADD=12 UZ=-.01
ADD=23 UZ=-.01
ADD=34 UZ=-.01
ADD=45 UZ=-.01
NAME=P1 CSYS=0
TYPE=RESTRAINT DISPLACEMENT
ADD=4 UZ=-.01
ADD=15 UZ=-.01
ADD=26 UZ=-.01
ADD=37 UZ=-.01
ADD=48 UZ=-.01
NAME=I2 CSYS=0
TYPE=RESTRAINT DISPLACEMENT
ADD=8 UZ=-.01
ADD=19 UZ=-.01
ADD=30 UZ=-.01
ADD=41 UZ=-.01
ADD=52 UZ=-.01

LANE
NAME=LANE11
PATH=85
PATH=86
PATH=88
PATH=90
PATH=91
PATH=93
PATH=95
PATH=96
NAME=LANE12
PATH=64
PATH=65
PATH=67
PATH=69
PATH=70
PATH=72
PATH=74
PATH=75
NAME=LANE13
PATH=43
PATH=44
PATH=46
PATH=48
PATH=49
PATH=51
PATH=53
PATH=54
NAME=LANE14
PATH=22
PATH=23
PATH=25
PATH=27
PATH=28

ADD=2 RD=6.1 UZ=-17.173,-17.173
ADD=66 RD=6.1 UZ=-17.173,-17.173
ADD=4 RD=0.1 UZ=-17.173,-17.173
ADD=88 RD=0.1 UZ=-17.173,-17.173
ADD=6 RD=0.4 UZ=-17.173,-17.173
ADD=90 RD=0.4 UZ=-17.173,-17.173
ADD=6 RD=4.8 UZ=-17.173,-17.173
ADD=90 RD=4.8 UZ=-17.173,-17.173
ADD=6 RD=8.1 UZ=-17.173,-17.173
ADD=90 RD=8.1 UZ=-17.173,-17.173
ADD=7 RD=0.2 UZ=-17.173,-17.173
ADD=91 RD=0.2 UZ=-17.173,-17.173
ADD=7 RD=2.6 UZ=-17.173,-17.173
ADD=91 RD=2.6 UZ=-17.173,-17.173
ADD=7 RD=6.1 UZ=-17.173,-17.173
ADD=91 RD=6.1 UZ=-17.173,-17.173
ADD=9 RD=0.1 UZ=-17.173,-17.173
ADD=93 RD=0.1 UZ=-17.173,-17.173
ADD=11 RD=0.4 UZ=-17.173,-17.173
ADD=95 RD=0.4000003 UZ=-17.173,-17.173
ADD=11 RD=4.8 UZ=-17.173,-17.173
ADD=95 RD=4000003,6000005 UZ=-17.173,-17.173
ADD=11 RD=8.1 UZ=-17.173,-17.173
ADD=95 RD=8000005,1 UZ=-17.173,-17.173
ADD=12 RD=0.2 UZ=-17.173,-17.173
ADD=96 RD=0.2 UZ=-17.173,-17.173
ADD=12 RD=2.6 UZ=-17.173,-17.173
ADD=96 RD=2.6 UZ=-17.173,-17.173
ADD=12 RD=6.1 UZ=-17.173,-17.173
ADD=96 RD=6.1 UZ=-17.173,-17.173
ADD=22 RD=0.4000001 UZ=1.996,1.996
ADD=64 RD=0.4 UZ=1.996,1.996
ADD=22 RD=4000001,8 UZ=1.996,1.996
ADD=64 RD=4.8 UZ=1.996,1.996
ADD=22 RD=8.1 UZ=1.996,1.996
ADD=64 RD=8.1 UZ=1.996,1.996
ADD=23 RD=0.2 UZ=1.996,1.996
ADD=65 RD=0.2 UZ=1.996,1.996
ADD=23 RD=2.6 UZ=1.996,1.996
ADD=65 RD=2.6 UZ=1.996,1.996
ADD=23 RD=6.1 UZ=1.996,1.996
ADD=65 RD=6.1 UZ=1.996,1.996
ADD=25 RD=0.1 UZ=1.996,1.996
ADD=67 RD=0.1 UZ=1.996,1.996
ADD=27 RD=0.3999997 UZ=1.996,1.996
ADD=69 RD=0.4 UZ=1.996,1.996
ADD=27 RD=3999997,7999995 UZ=1.996,1.996
ADD=69 RD=4.8 UZ=1.996,1.996
ADD=27 RD=7999995,1 UZ=1.996,1.996
ADD=69 RD=8.1 UZ=1.996,1.996
ADD=28 RD=0.2 UZ=1.996,1.996
ADD=70 RD=0.2 UZ=1.996,1.996
ADD=28 RD=2.6 UZ=1.996,1.996
ADD=70 RD=2.6 UZ=1.996,1.996
ADD=28 RD=6.1 UZ=1.996,1.996
ADD=70 RD=6.1 UZ=1.996,1.996
ADD=30 RD=0.1 UZ=1.996,1.996
ADD=72 RD=0.1 UZ=1.996,1.996
ADD=32 RD=0.4 UZ=1.996,1.996
ADD=74 RD=0.3999997 UZ=1.996,1.996
ADD=32 RD=4.8 UZ=1.996,1.996
ADD=74 RD=3999997,7999995 UZ=1.996,1.996
ADD=32 RD=8.1 UZ=1.996,1.996
ADD=74 RD=7999995,1 UZ=1.996,1.996
ADD=33 RD=0.2 UZ=1.996,1.996
ADD=75 RD=0.2 UZ=1.996,1.996
ADD=33 RD=2.6 UZ=1.996,1.996
ADD=75 RD=2.6 UZ=1.996,1.996
ADD=33 RD=6.1 UZ=1.996,1.996
ADD=75 RD=6.1 UZ=1.996,1.996
ADD=43 RD=0.4 UZ=-7.269,-7.269
ADD=43 RD=4.8 UZ=-7.269,-7.269
ADD=43 RD=8.1 UZ=-7.269,-7.269

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PATH=30
PATH=32
PATH=33
NAME=LANE15
PATH=1
PATH=2
PATH=4
PATH=6
PATH=7
PATH=9
PATH=11
PATH=12

VEHICLE
NAME=DB24B21 TYPE=GEN
P=27.788
D=4.2,4.2 P=111.152025
D=4.2,9.0 P=111.152025
NAME=DB24B22 TYPE=GEN
P=36.815
D=4.2,4.2 P=147.26127
D=4.2,9.0 P=147.26127
NAME=DB24B23 TYPE=GEN
P=30.868
D=4.2,4.2 P=123.470139
D=4.2,9.0 P=123.470139
NAME=DB24B24 TYPE=GEN
P=0.635
D=4.2,4.2 P=2.53981
D=4.2,9.0 P=2.53981
NAME=DB24B25 TYPE=GEN
NAME=DB24B31 TYPE=GEN
P=27.857
D=4.2,4.2 P=111.427803
D=4.2,9.0 P=111.427803
NAME=DB24B32 TYPE=GEN
P=36.396
D=4.2,4.2 P=145.583111
D=4.2,9.0 P=145.583111
NAME=DB24B33 TYPE=GEN
P=32.759
D=4.2,4.2 P=131.037292
D=4.2,9.0 P=131.037292
NAME=DB24B34 TYPE=GEN
P=39.018
D=4.2,4.2 P=156.072873
D=4.2,9.0 P=156.072873
NAME=DB24B35 TYPE=GEN
P=7.97
D=4.2,4.2 P=31.878922
D=4.2,9.0 P=31.878922
NAME=DB24J21 TYPE=GEN
P=0.044
D=4.2,4.2 P=0.174854
D=4.2,9.0 P=0.174854
NAME=DB24J22 TYPE=GEN
NAME=DB24J23 TYPE=GEN
P=29.96
D=4.2,4.2 P=119.840805
D=4.2,9.0 P=119.840805
NAME=DB24J24 TYPE=GEN
P=35.978
D=4.2,4.2 P=143.910618
D=4.2,9.0 P=143.910618
NAME=DB24J25 TYPE=GEN
P=30.299
D=4.2,4.2 P=121.194938
D=4.2,9.0 P=121.194938
NAME=DB24J31 TYPE=GEN
P=6.701
D=4.2,4.2 P=26.805849
D=4.2,9.0 P=26.805849
NAME=DB24J32 TYPE=GEN

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P=38.335
 D=4,2,4,2 P=153.338766
 D=4,2,9,0 P=153.338766
 NAME=DB24J33 TYPE=GEN
 P=33.292
 D=4,2,4,2 P=133.16724
 D=4,2,9,0 P=133.16724
 NAME=DB24J34 TYPE=GEN
 P=35.254
 D=4,2,4,2 P=141.017825
 D=4,2,9,0 P=141.017825
 NAME=DB24J35 TYPE=GEN
 P=30.418
 D=4,2,4,2 P=121.67032
 D=4,2,9,0 P=121.67032
 NAME=DL24B21 TYPE=GEN
 W=7.326975
 PM=62.306 PXM=90.001
 NAME=DL24B22 TYPE=GEN
 W=9.706395
 PM=82.543 PXM=119.228
 NAME=DL24B23 TYPE=GEN
 W=8.335292
 PM=70.883 PXM=102.386
 NAME=DL24B24 TYPE=GEN
 W=0.029618
 PM=0.252 PXM=0.364
 NAME=DL24B25 TYPE=GEN
 NAME=DL24B31 TYPE=GEN
 W=7.334309
 PM=62.371 PXM=90.091
 NAME=DL24B32 TYPE=GEN
 W=9.661762
 PM=82.163 PXM=118.68
 NAME=DL24B33 TYPE=GEN
 W=8.619526
 PM=73.303 PXM=105.883
 NAME=DL24B34 TYPE=GEN
 W=10.46065
 PM=88.957 PXM=128.493
 NAME=DL24B35 TYPE=GEN
 W=2.020352
 PM=17.181 PXM=24.817
 NAME=DL24J21 TYPE=GEN
 W=0.032677
 PM=0.278 PXM=0.401
 NAME=DL24J22 TYPE=GEN
 NAME=DL24J23 TYPE=GEN
 W=8.05799
 PM=68.525 PXM=98.98
 NAME=DL24J24 TYPE=GEN
 W=9.595385
 PM=80.833 PXM=116.759
 NAME=DL24J25 TYPE=GEN
 W=7.987713
 PM=67.527 PXM=98.117
 NAME=DL24J31 TYPE=GEN
 W=1.670842
 PM=14.209 PXM=20.524
 NAME=DL24J32 TYPE=GEN
 W=10.324369
 PM=87.798 PXM=126.819
 NAME=DL24J33 TYPE=GEN
 W=8.70937
 PM=74.064 PXM=106.981
 NAME=DL24J34 TYPE=GEN
 W=9.384912
 PM=79.809 PXM=115.279
 NAME=DL24J35 TYPE=GEN
 W=8.007508
 PM=68.095 PXM=98.36

 VEHICLE CLASS

NAME=B0B2421
 VEHI=B0B2421
 NAME=B0B2422
 VEHI=B0B2422
 NAME=B0B2423
 VEHI=B0B2423
 NAME=B0B2424
 VEHI=B0B2424
 NAME=B0B2425
 VEHI=B0B2425
 NAME=B0B2431
 VEHI=B0B2431
 NAME=B0B2432
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 VEHI=B0B2433
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 VEHI=B0B2434
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 VEHI=B0B2435
 NAME=J0B2421
 VEHI=J0B2421
 NAME=J0B2422
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 VEHI=J0B2433
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 VEHI=J0B2434
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 VEHI=J0B2435
 NAME=B0L2421
 VEHI=DL24B21
 NAME=B0L2422
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 VEHI=DL24B33
 NAME=B0L2434
 VEHI=DL24B34
 NAME=B0L2435
 VEHI=DL24B35
 NAME=J0L2421
 VEHI=J0L24J21
 NAME=J0L2422
 VEHI=J0L24J22
 NAME=J0L2423
 VEHI=J0L24J23
 NAME=J0L2424
 VEHI=J0L24J24
 NAME=J0L2425
 VEHI=J0L24J25
 NAME=J0L2431
 VEHI=J0L24J31
 NAME=J0L2432

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VEHI=DL24J32
 NAME=J0L24J33
 VEHI=DL24J33
 NAME=J0L2434
 VEHI=DL24J34
 NAME=J0L2435
 VEHI=DL24J35

 BRIDGE RESPONSE
 ELEM=JOINT TYPE=DISP
 ADD=**
 ELEM=JOINT TYPE=SPRING
 ADD=**
 ELEM=JOINT TYPE=REAC
 ADD=**
 ELEM=FRAME
 ADD=**

 MOVING LOAD
 QUICK=0 CORR=N TOL=.0001
 NAME=MOVE1 RF=1,1,1,1,1
 CLASS=B0B2421 LANE=LANE11 SF=1,2,143
 CLASS=B0B2422 LANE=LANE12 SF=1,2,143
 CLASS=B0B2423 LANE=LANE13 SF=1,2,143
 CLASS=B0B2424 LANE=LANE14 SF=1,2,143
 CLASS=B0B2425 LANE=LANE15 SF=1,2,143
 NAME=MOVE2 RF=0,9,0,9,0,9,0,9
 CLASS=B0B2431 LANE=LANE11 SF=1,2,143
 CLASS=B0B2432 LANE=LANE12 SF=1,2,143
 CLASS=B0B2433 LANE=LANE13 SF=1,2,143
 CLASS=B0B2434 LANE=LANE14 SF=1,2,143
 CLASS=B0B2435 LANE=LANE15 SF=1,2,143
 NAME=MOVE3 RF=1,1,1,1,1,1
 CLASS=J0B2421 LANE=LANE11 SF=1,2,143
 CLASS=J0B2422 LANE=LANE12 SF=1,2,143
 CLASS=J0B2423 LANE=LANE13 SF=1,2,143
 CLASS=J0B2424 LANE=LANE14 SF=1,2,143
 CLASS=J0B2425 LANE=LANE15 SF=1,2,143
 NAME=MOVE4 RF=0,9,0,9,0,9,0,9
 CLASS=J0B2431 LANE=LANE11 SF=1,2,143
 CLASS=J0B2432 LANE=LANE12 SF=1,2,143
 CLASS=J0B2433 LANE=LANE13 SF=1,2,143
 CLASS=J0B2434 LANE=LANE14 SF=1,2,143
 CLASS=J0B2435 LANE=LANE15 SF=1,2,143
 NAME=MOVE5 RF=1,1,1,1,1,1
 CLASS=B0L2421 LANE=LANE11 SF=1,2,143
 CLASS=B0L2422 LANE=LANE12 SF=1,2,143
 CLASS=B0L2423 LANE=LANE13 SF=1,2,143
 CLASS=B0L2424 LANE=LANE14 SF=1,2,143
 CLASS=B0L2425 LANE=LANE15 SF=1,2,143
 NAME=MOVE6 RF=0,9,0,9,0,9,0,9
 CLASS=B0L2431 LANE=LANE11 SF=1,2,143
 CLASS=B0L2432 LANE=LANE12 SF=1,2,143
 CLASS=B0L2433 LANE=LANE13 SF=1,2,143
 CLASS=B0L2434 LANE=LANE14 SF=1,2,143
 CLASS=B0L2435 LANE=LANE15 SF=1,2,143
 NAME=MOVE7 RF=1,1,1,1,1,1
 CLASS=J0L2421 LANE=LANE11 SF=1,2,143
 CLASS=J0L2422 LANE=LANE12 SF=1,2,143
 CLASS=J0L2423 LANE=LANE13 SF=1,2,143
 CLASS=J0L2424 LANE=LANE14 SF=1,2,143
 CLASS=J0L2425 LANE=LANE15 SF=1,2,143
 NAME=MOVE8 RF=0,9,0,9,0,9,0,9
 CLASS=J0L2431 LANE=LANE11 SF=1,2,143
 CLASS=J0L2432 LANE=LANE12 SF=1,2,143
 CLASS=J0L2433 LANE=LANE13 SF=1,2,143
 CLASS=J0L2434 LANE=LANE14 SF=1,2,143
 CLASS=J0L2435 LANE=LANE15 SF=1,2,143

 COMBO
 NAME=LIVE TYPE=ENWE
 MOVE=MOVE1 SF=1
 MOVE=MOVE2 SF=1

MOVE=MOVE3 SF=1
 MOVE=MOVE4 SF=1
 MOVE=MOVE5 SF=1
 MOVE=MOVE6 SF=1
 MOVE=MOVE7 SF=1
 MOVE=MOVE8 SF=1
 NAME=DISP1
 LOAD=A1 SF=1
 LOAD=P1 SF=1
 NAME=DISP2
 LOAD=A1 SF=1
 LOAD=P2 SF=1
 NAME=DISP3
 LOAD=P1 SF=1
 LOAD=P2 SF=1
 NAME=DISP4
 LOAD=A1 SF=1
 LOAD=P1 SF=1
 LOAD=P2 SF=1
 NAME=DISPENV TYPE=ENWE
 LOAD=A1 SF=1
 LOAD=P1 SF=1
 LOAD=P2 SF=1
 COMB=DISP1 SF=1
 COMB=DISP2 SF=1
 COMB=DISP3 SF=1
 COMB=DISP4 SF=1

 OUTPUT
 ELEM=JOINT TYPE=REAC LOAD=SLAB
 ELEM=JOINT TYPE=REAC LOAD=AFTER
 ELEM=JOINT TYPE=REAC COMB=LIVE
 ELEM=FRAME TYPE=FORCE LOAD=SLAB
 ELEM=FRAME TYPE=FORCE LOAD=AFTER
 ELEM=FRAME TYPE=FORCE COMB=LIVE
 ELEM=FRAME TYPE=FORCE COMB=DISPENW

 END

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