

MIDAS

PROJECT TITLE : 논산철안 1중시설물 경밀안전진단 용역				
	Company	(주)동우기술단	Client	
	Author	부설연구소	File Name	용성2교-상행선

: MIDAS/Civil Text(MCT) File.
: Date : 2013/6/18

*VERSION
8.1.5

*UNIT : Unit System
: FORCE, LENGTH, HEAT, TEMPER
KN , M, KCAL, C

*PROJECT : Project Information
USER=Windows 사용자
ADDRESS=d

*REBAR-MATL-CODE : Rebar Material Code
: CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KS01-Civil(RC), SD240, KS01-Civil(RC), SD240

*NODE : Nodes
: INO, X, Y, Z
101, 0, 6.6485, 0
102, 4.69792, 7.6534, 0
103, 9.39584, 8.6583, 0
104, 14.09376, 9.6632, 0
105, 18.79168, 10.6681, 0
106, 23.4896, 11.673, 0
107, 28.18752, 12.6779, 0
108, 32.88544, 13.6828, 0
109, 37.58336, 14.6877, 0
110, 42.28128, 15.6926, 0
111, 46.9792, 16.6975, 0
112, 52.0933846153846, 17.7986769230769, 0
113, 57.2075692307692, 18.898538461538, 0
114, 62.3217538461538, 20.0010307692308, 0
115, 67.4359384615385, 21.1022076923077, 0
116, 72.5501230769231, 22.2033846153846, 0
117, 77.6643076923077, 23.3045615384615, 0
118, 82.7784923076923, 24.4057384615385, 0
119, 87.8926769230769, 25.5069153846154, 0
120, 93.0068615384615, 26.6080923076923, 0
121, 98.1210461538462, 27.7092692307692, 0
122, 103.235230769231, 28.8104461538462, 0
123, 108.349415384615, 29.9116230769231, 0
124, 113.4636, 31.0128, 0
125, 118.16819, 32.01552, 0
126, 122.87278, 33.01824, 0
127, 127.57737, 34.02096, 0
128, 132.28196, 35.02368, 0
129, 136.98655, 36.0264, 0
130, 141.69114, 37.02912, 0
131, 146.39573, 38.03184, 0
132, 151.10032, 39.03456, 0
133, 155.80491, 40.03728, 0
134, 160.5095, 41.04, 0

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201, 1.4277, 0, 0
202, 6.12561, 1.0088, 0
203, 10.82352, 2.0176, 0
204, 15.52143, 3.0264, 0
205, 20.21934, 4.0352, 0
206, 24.91725, 5.044, 0
207, 29.61516, 6.0528, 0
208, 34.31307, 7.0616, 0
209, 39.01098, 8.0704, 0
210, 43.70889, 9.0792, 0
211, 48.4068, 10.088, 0
212, 53.5209823076923, 11.1861846153846, 0
213, 58.6351846153846, 12.2843692307692, 0
214, 63.7493769230769, 13.3825538461538, 0
215, 68.8635692307692, 14.4807384615385, 0
216, 73.9777615384615, 15.5789230769231, 0
217, 79.0919538461538, 16.6771076923077, 0
218, 84.2061461538461, 17.7752923076923, 0
219, 89.3203384615385, 18.8734769230769, 0
220, 94.4345307692308, 19.9716615384615, 0
221, 99.5487230769231, 21.0698461538462, 0
222, 104.662915384615, 22.1680307692308, 0
223, 109.777107692308, 23.2662153846154, 0
224, 114.8913, 24.3644, 0
225, 119.59213, 25.36632, 0
226, 124.29296, 26.36824, 0
227, 128.99379, 27.37016, 0
228, 133.69462, 28.37208, 0
229, 138.39545, 29.374, 0
230, 143.09628, 30.37592, 0
231, 147.79711, 31.37784, 0
232, 152.49794, 32.37976, 0
233, 157.19877, 33.38168, 0
234, 161.8996, 34.3836, 0
501, 0.71385, 3.32425, 0
502, 5.411765, 4.3311, 0
503, 10.10968, 5.33795, 0
504, 14.807395, 6.3448, 0
505, 19.50551, 7.35165, 0
506, 24.203425, 8.3585, 0
507, 28.90134, 9.36535, 0
508, 33.599255, 10.3722, 0
509, 38.29717, 11.37905, 0
510, 42.995085, 12.3859, 0
511, 47.693, 13.39275, 0
512, 52.8071884615385, 14.4924307692308, 0
513, 57.9213769230769, 15.5921115384615, 0
514, 63.035653846154, 16.6917923076923, 0
515, 68.1497538461538, 17.7914730769231, 0
516, 73.2639423076923, 18.8911538461538, 0
517, 78.3781307692308, 19.9908346153846, 0
518, 83.4923192307692, 21.0905153846154, 0
519, 88.6065076923077, 22.1901961538462, 0
520, 93.7206961538461, 23.2898769230769, 0
521, 98.8348846153846, 24.3895576923077, 0
522, 103.949073076923, 25.4892384615385, 0

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523, 109.063261538462, 26.5889192307692, 0
524, 114.17745, 27.6886, 0
525, 118.88016, 28.69092, 0
526, 123.58287, 29.69324, 0
527, 128.28568, 30.69566, 0
528, 132.98829, 31.69788, 0
529, 137.691, 32.7002, 0
530, 142.39371, 33.70252, 0
531, 147.09642, 34.70484, 0
532, 151.79913, 35.70716, 0
533, 156.50184, 36.70948, 0
534, 161.20455, 37.7118, 0

*ELEMENT : Elements
: IEL, TYPE, IMAT, IPRD, IN1, IN2, ANGLE, ISUB, EXVAL, iOPT(EXVAL2) : Frame Element
: IEL, TYPE, IMAT, IPRD, IN1, IN2, ANGLE, ISUB, EXVAL2, bLMT : Comp/Tens Truss
: IEL, TYPE, IMAT, IPRD, IN1, IN2, IN3, IN4, ISUB, iWID : Planar Element
: IEL, TYPE, IMAT, IPRD, IN1, IN2, IN3, IN4, IN5, IN6, IN7, IN8 : Solid Element
: IEL, TYPE, IMAT, IPRD, IN1, IN2, REF, RPX, RPY, RPZ, ISUB, EXVAL : Frame(Ref. Point)
101, BEAM , 1, 11, 101, 102, 0
102, BEAM , 1, 11, 102, 103, 0
103, BEAM , 1, 11, 103, 104, 0
104, BEAM , 1, 11, 104, 105, 0
105, BEAM , 1, 11, 105, 106, 0
106, BEAM , 1, 11, 106, 107, 0
107, BEAM , 1, 11, 107, 108, 0
108, BEAM , 1, 11, 108, 109, 0
109, BEAM , 1, 12, 109, 110, 0
110, BEAM , 1, 13, 110, 111, 0
111, BEAM , 1, 12, 111, 112, 0
112, BEAM , 1, 14, 112, 113, 0
113, BEAM , 1, 14, 113, 114, 0
114, BEAM , 1, 15, 114, 115, 0
115, BEAM , 1, 15, 115, 116, 0
116, BEAM , 1, 16, 116, 117, 0
117, BEAM , 1, 16, 117, 118, 0
118, BEAM , 1, 16, 118, 119, 0
119, BEAM , 1, 15, 119, 120, 0
120, BEAM , 1, 15, 120, 121, 0
121, BEAM , 1, 14, 121, 122, 0
122, BEAM , 1, 14, 122, 123, 0
123, BEAM , 1, 12, 123, 124, 0
124, BEAM , 1, 13, 124, 125, 0
125, BEAM , 1, 12, 125, 126, 0
126, BEAM , 1, 11, 126, 127, 0
127, BEAM , 1, 11, 127, 128, 0
128, BEAM , 1, 11, 128, 129, 0
129, BEAM , 1, 11, 129, 130, 0
130, BEAM , 1, 11, 130, 131, 0
131, BEAM , 1, 11, 131, 132, 0
132, BEAM , 1, 11, 132, 133, 0
133, BEAM , 1, 11, 133, 134, 0
201, BEAM , 1, 11, 201, 202, 0
202, BEAM , 1, 11, 202, 203, 0
203, BEAM , 1, 11, 203, 204, 0
204, BEAM , 1, 11, 204, 205, 0

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205, BEAM , 1, 11, 205, 206, 0
206, BEAM , 1, 11, 206, 207, 0
207, BEAM , 1, 11, 207, 208, 0
208, BEAM , 1, 11, 208, 209, 0
209, BEAM , 1, 12, 209, 210, 0
210, BEAM , 1, 13, 210, 211, 0
211, BEAM , 1, 12, 211, 212, 0
212, BEAM , 1, 14, 212, 213, 0
213, BEAM , 1, 14, 213, 214, 0
214, BEAM , 1, 15, 214, 215, 0
215, BEAM , 1, 15, 215, 216, 0
216, BEAM , 1, 16, 216, 217, 0
217, BEAM , 1, 16, 217, 218, 0
218, BEAM , 1, 16, 218, 219, 0
219, BEAM , 1, 15, 219, 220, 0
220, BEAM , 1, 15, 220, 221, 0
221, BEAM , 1, 14, 221, 222, 0
222, BEAM , 1, 14, 222, 223, 0
223, BEAM , 1, 12, 223, 224, 0
224, BEAM , 1, 13, 224, 225, 0
225, BEAM , 1, 12, 225, 226, 0
226, BEAM , 1, 11, 226, 227, 0
227, BEAM , 1, 11, 227, 228, 0
228, BEAM , 1, 11, 228, 229, 0
229, BEAM , 1, 11, 229, 230, 0
230, BEAM , 1, 11, 230, 231, 0
231, BEAM , 1, 11, 231, 232, 0
232, BEAM , 1, 11, 232, 233, 0
233, BEAM , 1, 11, 233, 234, 0
401, BEAM , 2, 2, 101, 501, 0
402, BEAM , 2, 2, 102, 502, 0
403, BEAM , 2, 2, 103, 503, 0
404, BEAM , 2, 2, 104, 504, 0
405, BEAM , 2, 2, 105, 505, 0
406, BEAM , 2, 2, 106, 506, 0
407, BEAM , 2, 2, 107, 507, 0
408, BEAM , 2, 2, 108, 508, 0
409, BEAM , 2, 2, 109, 509, 0
410, BEAM , 2, 2, 110, 510, 0
411, BEAM , 2, 2, 111, 511, 0
412, BEAM , 2, 2, 112, 512, 0
413, BEAM , 2, 2, 113, 513, 0
414, BEAM , 2, 2, 114, 514, 0
415, BEAM , 2, 2, 115, 515, 0
416, BEAM , 2, 2, 116, 516, 0
417, BEAM , 2, 2, 117, 517, 0
418, BEAM , 2, 2, 118, 518, 0
419, BEAM , 2, 2, 119, 519, 0
420, BEAM , 2, 2, 120, 520, 0
421, BEAM , 2, 2, 121, 521, 0
422, BEAM , 2, 2, 122, 522, 0
423, BEAM , 2, 2, 123, 523, 0
424, BEAM , 2, 2, 124, 524, 0
425, BEAM , 2, 2, 125, 525, 0
426, BEAM , 2, 2, 126, 526, 0
427, BEAM , 2, 2, 127, 527, 0

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MIDAS									
Author		부설연구소				File Name		용성2교-상행선	
428, BEAM	, 2,	2,	128,	528,	0				
429, BEAM	, 2,	2,	129,	529,	0				
430, BEAM	, 2,	2,	130,	530,	0				
431, BEAM	, 2,	2,	131,	531,	0				
432, BEAM	, 2,	2,	132,	532,	0				
433, BEAM	, 2,	2,	133,	533,	0				
434, BEAM	, 2,	2,	134,	534,	0				
501, BEAM	, 2,	2,	501,	201,	0				
502, BEAM	, 2,	2,	502,	202,	0				
503, BEAM	, 2,	2,	503,	203,	0				
504, BEAM	, 2,	2,	504,	204,	0				
505, BEAM	, 2,	2,	505,	205,	0				
506, BEAM	, 2,	2,	506,	206,	0				
507, BEAM	, 2,	2,	507,	207,	0				
508, BEAM	, 2,	2,	508,	208,	0				
509, BEAM	, 2,	2,	509,	209,	0				
510, BEAM	, 2,	2,	510,	210,	0				
511, BEAM	, 2,	2,	511,	211,	0				
512, BEAM	, 2,	2,	512,	212,	0				
513, BEAM	, 2,	2,	513,	213,	0				
514, BEAM	, 2,	2,	514,	214,	0				
515, BEAM	, 2,	2,	515,	215,	0				
516, BEAM	, 2,	2,	516,	216,	0				
517, BEAM	, 2,	2,	517,	217,	0				
518, BEAM	, 2,	2,	518,	218,	0				
519, BEAM	, 2,	2,	519,	219,	0				
520, BEAM	, 2,	2,	520,	220,	0				
521, BEAM	, 2,	2,	521,	221,	0				
522, BEAM	, 2,	2,	522,	222,	0				
523, BEAM	, 2,	2,	523,	223,	0				
524, BEAM	, 2,	2,	524,	224,	0				
525, BEAM	, 2,	2,	525,	225,	0				
526, BEAM	, 2,	2,	526,	226,	0				
527, BEAM	, 2,	2,	527,	227,	0				
528, BEAM	, 2,	2,	528,	228,	0				
529, BEAM	, 2,	2,	529,	229,	0				
530, BEAM	, 2,	2,	530,	230,	0				
531, BEAM	, 2,	2,	531,	231,	0				
532, BEAM	, 2,	2,	532,	232,	0				
533, BEAM	, 2,	2,	533,	233,	0				
534, BEAM	, 2,	2,	534,	234,	0				
801, BEAM	, 3,	3,	501,	502,	0				
802, BEAM	, 3,	3,	502,	503,	0				
803, BEAM	, 3,	3,	503,	504,	0				
804, BEAM	, 3,	3,	504,	505,	0				
805, BEAM	, 3,	3,	505,	506,	0				
806, BEAM	, 3,	3,	506,	507,	0				
807, BEAM	, 3,	3,	507,	508,	0				
808, BEAM	, 3,	3,	508,	509,	0				
809, BEAM	, 3,	3,	509,	510,	0				
810, BEAM	, 3,	3,	510,	511,	0				
811, BEAM	, 3,	3,	511,	512,	0				
812, BEAM	, 3,	3,	512,	513,	0				
813, BEAM	, 3,	3,	513,	514,	0				
814, BEAM	, 3,	3,	514,	515,	0				
815, BEAM	, 3,	3,	515,	516,	0				
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MIDAS									
Author		부설연구소				File Name		용성2교-상행선	
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF									
: D1, D2, [SRC]									
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2									
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,									
: ISEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, IyVAR, IzVAR, STYPE									
: DB, NAME1, NAME2									
: [DIM1], [DIM2]									
: D11, D12, D13, D14, D15, D16, D17, D18									
: AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1									
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1									
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2									
: D21, D22, D23, D24, D25, D26, D27, D28									
: AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2									
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2									
: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2									
: OPT1, OPT2, [JOINT]									
ELAST, DEN, POIS, POIC									
: bSHEARQK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], W1, WJ, bSYM, bSIDEHOLE									
: bSHEARQK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J]									
: bUSERDEFMESHIZE, MESHIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J]									
: [SIZE-A]-i									
: [SIZE-B]-i									
: [SIZE-C]-i									
: [SIZE-D]-i									
: [SIZE-A]-j									
: [SIZE-B]-j									
: [SIZE-C]-j									
: [SIZE-D]-j									
: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S									
: SW_L, Hw_L, tw_L, B_L, Bf1_L, tf1_L, B2_L, Bf2_L, tf2_L									
: SW_L, Hw_L, tw_L, B_L, Bf1_L, tf1_L, B2_L, Bf2_L, tf2_L									
: N1, N2, Hr, Hr2, tr1, tr2									
: GN, CTC, Bc, Tc, Hh, EgdEsb, OgdDsb, Pgd, Psb, bSYM, SW_L, SW_L									
T)									
: OPT1, OPT2, [JOINT]									
T)									
: [SIZE-A]-i									
T)									
: [SIZE-B]-i									
T)									
: [SIZE-C]-i									
T)									
: [SIZE-D]-i									
T)									
: [SIZE-A]-j									
T)									
: [SIZE-B]-j									
T)									
: [SIZE-C]-j									
CT)									
: [SIZE-D]-j									
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	Author	부설연구소	File Name	용성2교-상행선

816, BEAM , 3, 3, 516, 517, 0

817, BEAM , 3, 3, 517, 518, 0

818, BEAM , 3, 3, 518, 519, 0

819, BEAM , 3, 3, 519, 520, 0

820, BEAM , 3, 3, 520, 521, 0

821, BEAM , 3, 3, 521, 522, 0

822, BEAM , 3, 3, 522, 523, 0

823, BEAM , 3, 3, 523, 524, 0

824, BEAM , 3, 3, 524, 525, 0

825, BEAM , 3, 3, 525, 526, 0

826, BEAM , 3, 3, 526, 527, 0

827, BEAM , 3, 3, 527, 528, 0

828, BEAM , 3, 3, 528, 529, 0

829, BEAM , 3, 3, 529, 530, 0

830, BEAM , 3, 3, 530, 531, 0

831, BEAM , 3, 3, 531, 532, 0

832, BEAM , 3, 3, 532, 533, 0

833, BEAM , 3, 3, 533, 534, 0

*GROUP : Group

: NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE

G1 , 101to134, 101to133, 0

G2 , 201to234, 201to233, 0

OB , 401to434 501to534, 0

ST , 501to534, 801to833, 0

p1 , 124 224, , 0

p2 , 111 211, , 0

*MATERIAL : Material

: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1] : STEEL, CONC, USE

R

: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2] : SRC

: [DATA1] : 1, DB, NAME, CODE

: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS

: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS : Orthotropic

: [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN, THERMAL, DEN, MASS

1, STEEL, SWS490 , 0, 0, , C, NO, 0.02, 2, 2.0594e+008, 0.3, 1.2000e-005, 91.655, 0

2, STEEL, SWS400C , 0, 0, , C, NO, 0.02, 2, 2.0594e+008, 0.3, 1.2000e-005, 250.952, 0

3, STEEL, SWS400S , 0, 0, , C, NO, 0.02, 2, 2.0594e+008, 0.3, 1.2000e-005, 250.952, 0

*MATL-COLOR

: IMAT, WLR, WLG, WLB, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT

1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

*SECTION : Section

: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2] : 1st line = DB/USER

: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, , , , , DB, ISEL : 1st line = VALUE

: AREA, ASy, ASz, Ixx, Iyy, Izz : 2nd line

: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz : 3rd line

: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz : 4th line

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PROJECT TITLE : 논산철안 1중시설물 경밀안전진단 용역			
 Company		(주)동우기술단	
Author		부설연구소	
Client		용성2교-상행선	
File Name			

13, COMPOSITE , 13 , CT, 0, 0, 0, 0, 0, 0, YES, B
3.2, 0.012, 2.6, 0.1, 0.024, 2.6, 0.1, 0.03
0, 0, 0.15, 0.15, 0.014, 0.014
12.43, 2, 7.2, 6.215, 0.25, 0, 8, 0, 0, 0, NO, ,
14, COMPOSITE , 14 , CT, 0, 0, 0, 0, 0, 0, YES, B
2.5, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.02
0, 0, 0.15, 0.15, 0.014, 0.014
12.43, 2, 7.2, 6.215, 0.25, 0, 8, 0, 0, 0, NO, ,
15, COMPOSITE , 15 , CT, 0, 0, 0, 0, 0, 0, YES, B
2.5, 0.012, 2.6, 0.1, 0.016, 2.6, 0.1, 0.022
0, 0, 0.15, 0.15, 0.014, 0.014
12.43, 2, 7.2, 6.215, 0.25, 0, 8, 0, 0, 0, NO, ,
16, COMPOSITE , 16 , CT, 0, 0, 0, 0, 0, 0, YES, B
2.5, 0.012, 2.6, 0.1, 0.016, 2.6, 0.1, 0.02
0, 0, 0.15, 0.15, 0.014, 0.014
12.43, 2, 7.2, 6.215, 0.25, 0, 8, 0, 0, 0, NO, ,

*SECT-COLOR
: iSECT, WLR, WLG, WLB, HFR, HFG, HFB, HELR, HEG, HE_B, bBLEND, FACT
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
11, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
12, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
13, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
14, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
15, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
16, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

*DGN-SECT
: iSECT, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2] : 1st line - DB/USER
: iSECT, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., DB, ICEL : 1st line - VALUE
: AREA, ASy, ASz, lxx, lyy, lzz : 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz : 3rd line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz : 4th line
: iSECT, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF : 1st line - SRC
: D1, D2, [SRC] : 2nd line
: iSECT, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2 : 1st line - COMBINED
: iSECT, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24 : 2nd line
: iSECT, TYPE, SNAME, [OFFSET2], bSD, SHAPE, lyVAR, izVAR, STYPE : 1st line - TAPERED
: DB, NAME1, NAME2 : 2nd line(STYPE=DB)
: [DIM1], [DIM2] : 2nd line(STYPE=USER)
: D11, D12, D13, D14, D15, D16, D17, D18 : 2nd line(STYPE=VALUE)
: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 : 3rd line(STYPE=VALUE)
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th line(STYPE=VALUE)
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 : 5th line(STYPE=VALUE)
: D21, D22, D23, D24, D25, D26, D27, D28 : 6th line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 : 7th line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th line(STYPE=VALUE)
: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 : 9th line(STYPE=VALUE)
: OPT1, OPT2, [JOINT] : 2nd line(STYPE=PSC)
: ELAST, DEN, POIS, POIC : 2nd line(STYPE=PSC-CMPW)
: bSHEARQK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], W1, WJ, bSYM, bSIDEHOLE : 3rd line(STYPE=PSC)
: bSHEARQK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] : 3rd line(STYPE=PSC-CMPW)
: bUSERDEFMESH1ZE, MESH1ZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)

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PROJECT TITLE : **논산철안 1중시설물 경밀안전진단 용역**

 Company		(주)동우기술단		Client	
Author		부설연구소		File Name	용성2교-상행선

: OPT1, OPT2, [JOINT] : 2nd line
: bSHEARQK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE : 3rd line
: bUSERDEFMESH1ZE, MESH1ZE, bUSERINPSTIFF, [STIFF] : 4th line
: [SIZE-A] : 5th line
: [SIZE-B] : 6th line
: [SIZE-C] : 7th line
: [SIZE-D] : 8th line
: [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
: [DATA2] : CSHAPE or ICEL or IN1, IN2
: [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, IN1, IN2
: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, iUSER, iVERT, iVUSER
: [OFFSET2] : OFFSET, iCENT, iREF, iHORZ, iUSER, iUSERJ, iVERT, iVUSERJ, iVUSERJ
: [JOINT] : 8(ICELL, 20CELL), 13(30CELL), 9(PSCH), 8(PSCH), 2(PSCH), 0(ncell), 2(ncel2)
: [SIZE-A] : 6(ICELL, 20CELL), 10(30CELL), 10(PSCH), 6(PSCH), 8(PSCH), 10(PSCH), 5(ncell), 11(ncel2)
: [SIZE-B] : 6(ICELL, 20CELL), 12(30CELL), 6(PSCH), 6(PSCH), 8(PSCH), 8(ncell), 18(ncel2)
: [SIZE-C] : 10(ICELL, 20CELL), 13(30CELL), 9(PSCH), 10(PSCH), 6(PSCH), 8(ncell), 11(ncel2)
: [SIZE-D] : 8(ICELL, 20CELL), 13(30CELL), 6(PSCH), 7(PSCH), 8(PSCH), 0(ncell), 18(ncel2)
: [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: [CMPWEB] : EFD, LRF, A, B, H, T
2, DBUSER , Crossbeam , CT, 0, 0, 0, 0, 0, 0, YES, H , 2, 1.5, 0.3, 0.012, 0.012, 0.3, 0
.012, 0.006, 0, 0, 0
3, DBUSER , Stringer , CT, 0, 0, 0, 0, 0, 0, YES, H , 2, 0.8, 0.25, 0.01, 0.012, 0.25,
0.012, 0.035, 0, 0, 0
11, COMPOSITE , 11 , CT, 0, 0, 0, 0, 0, 0, YES, B
2.5, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.018
0, 0, 0.15, 0.15, 0.014, 0.014
12.43, 2, 7.2, 6.215, 0.25, 0, 8, 0, 0, 0, NO, ,
12, COMPOSITE , 12 , CT, 0, 0, 0, 0, 0, 0, YES, B
2.824, 0.012, 2.6, 0.1, 0.02, 2.6, 0.1, 0.024
0, 0, 0.15, 0.15, 0.014, 0.014
12.43, 2, 7.2, 6.215, 0.25, 0, 8, 0, 0, 0, NO, ,
13, COMPOSITE , 13 , CT, 0, 0, 0, 0, 0, 0, YES, B
3.2, 0.012, 2.6, 0.1, 0.024, 2.6, 0.1, 0.03
0, 0, 0.15, 0.15, 0.014, 0.014
12.43, 2, 7.2, 6.215, 0.25, 0, 8, 0, 0, 0, NO, ,
14, COMPOSITE , 14 , CT, 0, 0, 0, 0, 0, 0, YES, B
2.5, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.02
0, 0, 0.15, 0.15, 0.014, 0.014
12.43, 2, 7.2, 6.215, 0.25, 0, 8, 0, 0, 0, NO, ,
15, COMPOSITE , 15 , CT, 0, 0, 0, 0, 0, 0, YES, B
2.5, 0.012, 2.6, 0.1, 0.016, 2.6, 0.1, 0.022
0, 0, 0.15, 0.15, 0.014, 0.014
12.43, 2, 7.2, 6.215, 0.25, 0, 8, 0, 0, 0, NO, ,
16, COMPOSITE , 16 , CT, 0, 0, 0, 0, 0, 0, YES, B
2.5, 0.012, 2.6, 0.1, 0.016, 2.6, 0.1, 0.02
0, 0, 0.15, 0.15, 0.014, 0.014
12.43, 2, 7.2, 6.215, 0.25, 0, 8, 0, 0, 0, NO, ,

*STLDCASE : Static Load Cases
: LONAME, LCTYPE, DESC
DL(BC), 0
DL(AC), 0

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PROJECT TITLE : 논산철안 1중시설물 경밀안전진단 용역				
MIDAS	Company	(주) 동우기술단	Client	
	Author	부설연구소	File Name	용성2교-상행선
:	[SIZE-A]-i			: 5th line(STYPE=PSC)
:	[SIZE-B]-i			: 6th line(STYPE=PSC)
:	[SIZE-C]-i			: 7th line(STYPE=PSC)
:	[SIZE-D]-i			: 8th line(STYPE=PSC)
:	[SIZE-A]-j			: 9th line(STYPE=PSC)
:	[SIZE-B]-j			: 10th line(STYPE=PSC)
:	[SIZE-C]-j			: 11th line(STYPE=PSC)
:	[SIZE-D]-j			: 12th line(STYPE=PSC)
:	GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S			: 2nd line(STYPE=OMP-B/I)
:	SWL_i, HwL_i, twL_i, B1_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i			: 3rd line(STYPE=OMP-B/I)
:	SWL_j, HwL_j, twL_j, B1_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j			: 4th line(STYPE=OMP-B/I)
:	N1, N2, Hr, Hr2, tr1, tr2			: 5th line(STYPE=OMP-B)
:	GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SWL_i, SWL_j			: 2nd line(STYPE=OMP-CI/C)
T)	OPT1, OPT2, [JOINT]			: 3rd line(STYPE=OMP-CI/C)
T)	[SIZE-A]-i			: 4th line(STYPE=OMP-CI/C)
T)	[SIZE-B]-i			: 5th line(STYPE=OMP-CI/C)
T)	[SIZE-C]-i			: 6th line(STYPE=OMP-CI/C)
T)	[SIZE-D]-i			: 7th line(STYPE=OMP-CI/C)
T)	[SIZE-A]-j			: 8th line(STYPE=OMP-CI/C)
T)	[SIZE-B]-j			: 9th line(STYPE=OMP-CI/C)
CT)	[SIZE-C]-j			: 10th line(STYPE=OMP-CI/C)
CT)	[SIZE-D]-j			: 11th line(STYPE=OMP-CI/C)
:	I SECT, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2			: 1st line - CONSTRUCT
:	SHAPE, ... (same with other type data from shape)			: Before (STYPE1)
:	SHAPE, ... (same with other type data from shape)			: After (STYPE2)
:	I SECT, TYPE, SNAME, [OFFSET], bSD, SHAPE			: 1st line - COMPOSITE-SB
:	Hw, tw, B, Bf1, tf1, B2, Bf2, tf2			: 2nd line
:	N1, N2, Hr, Hr2, tr1, tr2			: 3rd line
:	SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh			: 4th line
:	I SECT, TYPE, SNAME, [OFFSET], bSD, SHAPE			: 1st line - COMPOSITE-SI
:	Hw, tw, B, tf1, B2, tf2			: 2nd line
:	SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh			: 3rd line
:	I SECT, TYPE, SNAME, [OFFSET], bSD, SHAPE			: 1st line - COMPOSITE-CI
/CT				
:	OPT1, OPT2, [JOINT]			: 2nd line
:	[SIZE-A]			: 3rd line
:	[SIZE-B]			: 4th line
:	[SIZE-C]			: 5th line
:	[SIZE-D]			: 6th line
:	SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb			: 7th line
:	I SECT, TYPE, SNAME, [OFFSET], bSD, SHAPE			: 1st line - PSC

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PROJECT TITLE : 논산철안 1중시설물 경밀안전진단 용역

	Company	(주)동우기술단	Client	
	Author	부설연구소	File Name	용성2교-상행선

WL(No Live), USER,
WL(Live), USER,
Unit Moment, USER,

*LOCALAXIS : Node Local Axis
: NODE_LIST, IMETHOD, ANGLE-x, ANGLE-y, ANGLE-z : IMETHOD=1
: NODE_LIST, IMETHOD, POX, POY, POZ, P1X, P1Y, P1Z, P2X, P2Y, P2Z : IMETHOD=2
: NODE_LIST, IMETHOD, V1X, V1Y, V1Z, V2X, V2Y, V2Z : IMETHOD=3
101, 1, 0, 0, 12.07
111, 1, 0, 0, 12.11
124, 1, 0, 0, 12.09
134, 1, 0, 0, 12.03
201, 1, 0, 0, 12.07
211, 1, 0, 0, 12.11
224, 1, 0, 0, 12.09
234, 1, 0, 0, 12.03

*CONSTRAINT : Supports
: NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
224, 111111,
124, 101000,
101 111 134, 001000,
201 211 234, 011000,

: *LOADTO MASS, DIR, bNODAL, bBEAM, bFLOOR, bPRES, GRAV
: LONAME1, FACTOR1, LONAME2, FACTOR2, ... : from line 1

*LOADTO MASS, XYZ, YES, YES, YES, YES, 9.806
DL(BC), 1, DL(AC), 1

*USE-STLD, DL(BC)

: *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,

*BEAMLOAD : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
: ELEM_LIST, CMD, TYPE, TYPE, DIR, vx, vy, vz, bPROJ, [ECCEN], [VALUE], GROUP
[VALUE] : D1, P1, D2, P2, D3, P3, D4, P4
[ECCEN] : bECCEN, bECCDIR, I-END, J-END, bJ-END
[ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END
101, BEAM , UNLOAD, GZ, NO , NO, aDir[1], , , , 0, -39.62, 1, -39.62, 0, 0, 0, 0, , NO, 0, 0, NO
101, BEAM , UNLOAD, LX, NO , NO, aDir[1], , , , 0, -7.73, 1, -7.73, 0, 0, 0, 0, , NO, 0, 0, NO
102, BEAM , UNLOAD, LX, NO , NO, aDir[1], , , , 0, -7.73, 1, -7.73, 0, 0, 0, 0, , NO, 0, 0, NO
102, BEAM , UNLOAD, GZ, NO , NO, aDir[1], , , , 0, -39.62, 1, -39.62, 0, 0, 0, 0, , NO, 0, 0, NO
103, BEAM , UNLOAD, GZ, NO , NO, aDir[1], , , , 0, -39.62, 1, -39.62, 0, 0, 0, 0, , NO, 0, 0, NO
103, BEAM , UNLOAD, LX, NO , NO, aDir[1], , , , 0, -7.73, 1, -7.73, 0, 0, 0, 0, , NO, 0, 0, NO
104, BEAM , UNLOAD, GZ, NO , NO, aDir[1], , , , 0, -39.62, 1, -39.62, 0, 0, 0, 0, , NO, 0, 0, NO
104, BEAM , UNLOAD, LX, NO , NO, aDir[1], , , , 0, -7.73, 1, -7.73, 0, 0, 0, 0, , NO, 0, 0, NO
105, BEAM , UNLOAD, GZ, NO , NO, aDir[1], , , , 0, -39.62, 1, -39.62, 0, 0, 0, 0, , NO, 0, 0, NO
105, BEAM , UNLOAD, LX, NO , NO, aDir[1], , , , 0, -7.73, 1, -7.73, 0, 0, 0, 0, , NO, 0, 0, NO
106, BEAM , UNLOAD, GZ, NO , NO, aDir[1], , , , 0, -39.62, 1, -39.62, 0, 0, 0, 0, , NO, 0, 0, NO
106, BEAM , UNLOAD, LX, NO , NO, aDir[1], , , , 0, -7.73, 1, -7.73, 0, 0, 0, 0, , NO, 0, 0, NO
107, BEAM , UNLOAD, GZ, NO , NO, aDir[1], , , , 0, -39.62, 1, -39.62, 0, 0, 0, 0, , NO, 0, 0, NO
107, BEAM , UNLOAD, LX, NO , NO, aDir[1], , , , 0, -7.73, 1, -7.73, 0, 0, 0, 0, , NO, 0, 0, NO
108, BEAM , UNLOAD, GZ, NO , NO, aDir[1], , , , 0, -39.62, 1, -39.62, 0, 0, 0, 0, , NO, 0, 0, NO
108, BEAM , UNLOAD, LX, NO , NO, aDir[1], , , , 0, -7.73, 1, -7.73, 0, 0, 0, 0, , NO, 0, 0, NO

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PROJECT TITLE : 논산천안 1종시설물 정밀안전진단 용역			
	Company	(주)동우기술단	Client
	Author	부설연구소	File Name
			용성2교-상행선

132.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	-35.32	1	-35.32	0	0	0	0	0	NO	0	NO
133.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	-35.32	1	-35.32	0	0	0	0	0	NO	0	NO
133.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-18.74	1	-18.74	0	0	0	0	0	NO	0	NO
201.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
201.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
202.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
202.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
203.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
203.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
204.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
204.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
205.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
205.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
206.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
206.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
207.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
207.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
208.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
208.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
209.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
209.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
210.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
210.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
211.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
211.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
212.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
212.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
213.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
213.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
214.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
214.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
215.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
215.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
216.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
216.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
217.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
217.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
218.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
218.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
219.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
219.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
220.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
220.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
221.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
221.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
222.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
222.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
223.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
223.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
224.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
224.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
225.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
225.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
226.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO
226.	BEAM	UNILQAD	GZ	NO	NO	adir[1]	0.	-16.37	1	-16.37	0	0	0	0	0	NO	0	NO
227.	BEAM	UNILQAD	LX	NO	NO	adir[1]	0.	24.8	1	24.8	0	0	0	0	0	NO	0	NO

PROJECT TITLE : 논산천안 1종시설물 정밀안전진단 용역			
	Company	(주)동우기술단	Client
	Author	부설연구소	File Name
			용성2교-상행선

[illegible]

: End of data for load case [DL(AC)] -----

*USE-STLD, WL(No Live)

```

*BEAMLOAD      : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
: ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
: [VALUE]      : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN]      : bECCEN, ECCDIR, I-END, J-END, bJ-END

```

PROJECT TITLE : 논산천안 1종시설풍경밀집안전전단 용역			
	Company	(주)동우기술단	Client
	Author	부설연구소	File Name
			용성2교-상행선

[illegible]

PROJECT TITLE : 논산천안 1종시설물 경밀안전전단 용역			
	Company	(주) 동우기술단	Client
	Author	부설연구소	File Name
			용성2교-상행선

228, LINE	UNLOAD, LY, NO, NO, adir[1],	, 0, 16.91, 1, 16.91, 0, 0, 0, 0,	NO, 0, 0, 0, NO
229, LINE	UNMOMENT, LX, NO, NO, adir[1],	, 0, 20.92, 1, 20.92, 0, 0, 0, 0,	NO, 0, 0, 0, NO
230, LINE	UNLOAD, LY, NO, NO, adir[1],	, 0, 16.91, 1, 16.91, 0, 0, 0, 0,	NO, 0, 0, 0, NO
230, LINE	UNMOMENT, LX, NO, NO, adir[1],	, 0, 20.92, 1, 20.92, 0, 0, 0, 0,	NO, 0, 0, 0, NO
230, LINE	UNLOAD, LY, NO, NO, adir[1],	, 0, 16.91, 1, 16.91, 0, 0, 0, 0,	NO, 0, 0, 0, NO
231, LINE	UNMOMENT, LX, NO, NO, adir[1],	, 0, 20.92, 1, 20.92, 0, 0, 0, 0,	NO, 0, 0, 0, NO
231, LINE	UNLOAD, LY, NO, NO, adir[1],	, 0, 16.91, 1, 16.91, 0, 0, 0, 0,	NO, 0, 0, 0, NO
232, LINE	UNLOAD, LY, NO, NO, adir[1],	, 0, 16.91, 1, 16.91, 0, 0, 0, 0,	NO, 0, 0, 0, NO
232, LINE	UNMOMENT, LX, NO, NO, adir[1],	, 0, 20.92, 1, 20.92, 0, 0, 0, 0,	NO, 0, 0, 0, NO
233, LINE	UNLOAD, LY, NO, NO, adir[1],	, 0, 16.91, 1, 16.91, 0, 0, 0, 0,	NO, 0, 0, 0, NO
233, LINE	UNMOMENT, LX, NO, NO, adir[1],	, 0, 20.92, 1, 20.92, 0, 0, 0, 0,	NO, 0, 0, 0, NO
233, LINE	UNLOAD, LY, NO, NO, adir[1],	, 0, 16.91, 1, 16.91, 0, 0, 0, 0,	NO, 0, 0, 0, NO

; End of data for load case [WL(No Live)] _____

*USE-STLD, Unit Moment

```
*BEAMLOAD      : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
: ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
: [VALUE]      : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN]      : bECCEN, ECCDIR, I-END, J-END, bJ-END
```

```

: [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END

```

101, BEAM	, CONNMOMENT, LY, NO, NO, aDir[1], ., ., ., 0, 1, 1, 0, 0, 0, 0, 0, 0, NO, 0, 0, NO
133, BEAM	, CONNMOMENT, LY, NO, NO, aDir[1], ., ., ., 1, -1, 0, 0, 0, 0, 0, 0, 0, NO, 0, 0, NO
201, BEAM	, CONNMOMENT, LY, NO, NO, aDir[1], ., ., ., 0, 1, 1, 0, 0, 0, 0, 0, 0, NO, 0, 0, NO
233, BEAM	, CONNMOMENT, LY, NO, NO, aDir[1], ., ., ., 1, -1, 0, 0, 0, 0, 0, 0, 0, NO, 0, 0, NO

; End of data for load case [Unit Moment] -----

*MVLDCODE : Moving Load Code

```

, CODE=CODE
  CODE=KOREA

```

```
*LINELANE      ; Traffic Line Lanes
; NAME=NAME, LDIST, GROUP, SKEWS, SKEWE, MOVING, LW, WS ; line 1
; i|E|FM1, FCC1, FACT1, bSPAN1, ... ; from line 2
```

```
NAME=L1, CROSS, CB, 0, 0, BACKWARD, 3, 0
133, -0.1, 0.1695, YES, 132, -0.1, 0.1695, NO
131, -0.1, 0.1695, NO, 130, -0.1, 0.1695, NO
129, -0.1, 0.1695, NO, 128, -0.1, 0.1695, NO
127, -0.1, 0.1695, NO, 126, -0.1, 0.1695, NO
125, -0.1, 0.1695, NO, 124, -0.1, 0.1695, NO
123, -0.1, 0.1389, YES, 122, -0.1, 0.1389, NO
121, -0.1, 0.1389, NO, 120, -0.1, 0.1389, NO
119, -0.1, 0.1389, NO, 118, -0.1, 0.1389, NO
117, -0.1, 0.1389, NO, 116, -0.1, 0.1389, NO
115, -0.1, 0.1389, NO, 114, -0.1, 0.1389, NO
113, -0.1, 0.1389, NO, 112, -0.1, 0.1389, NO
111, -0.1, 0.1389, NO, 110, -0.1, 0.1695, YES
109, -0.1, 0.1695, NO, 108, -0.1, 0.1695, NO
107, -0.1, 0.1695, NO, 106, -0.1, 0.1695, NO
105, -0.1, 0.1695, NO, 104, -0.1, 0.1695, NO
103, -0.1, 0.1695, NO, 102, -0.1, 0.1695, NO
101, -0.1, 0.1695, NO
NAME=L1(Copy1), CROSS, CB, 0, 0, BACKWARD, 3, 0
133, -0.865, 0.1695, YES, 132, -0.865, 0.1695, NO
```

PROJECT TITLE : 논산철안 1중시설을 경밀안전진단 용역				
Company		(주)동우기술단		
Author		부설연구소		Client
MIDAS		File Name	용성2교-상행선	

131, -0.865, 0.1695, NO, 130, -0.865, 0.1695, NO
129, -0.865, 0.1695, NO, 128, -0.865, 0.1695, NO
127, -0.865, 0.1695, NO, 126, -0.865, 0.1695, NO
125, -0.865, 0.1695, NO, 124, -0.865, 0.1695, NO
123, -0.865, 0.1389, YES, 122, -0.865, 0.1389, NO
121, -0.865, 0.1389, NO, 120, -0.865, 0.1389, NO
119, -0.865, 0.1389, NO, 118, -0.865, 0.1389, NO
117, -0.865, 0.1389, NO, 116, -0.865, 0.1389, NO
115, -0.865, 0.1389, NO, 114, -0.865, 0.1389, NO
113, -0.865, 0.1389, NO, 112, -0.865, 0.1389, NO
111, -0.865, 0.1389, NO, 110, -0.865, 0.1695, YES
109, -0.865, 0.1695, NO, 108, -0.865, 0.1695, NO
107, -0.865, 0.1695, NO, 106, -0.865, 0.1695, NO
105, -0.865, 0.1695, NO, 104, -0.865, 0.1695, NO
103, -0.865, 0.1695, NO, 102, -0.865, 0.1695, NO
101, -0.865, 0.1695, NO
NAME=L2, CROSS, CB, 0, 0, BACKWARD, 3, 0
833, 0, 0.1695, YES, 832, 0, 0.1695, NO, 831, 0, 0.1695, NO
830, 0, 0.1695, NO, 829, 0, 0.1695, NO, 828, 0, 0.1695, NO
827, 0, 0.1695, NO, 826, 0, 0.1695, NO, 825, 0, 0.1695, NO
824, 0, 0.1695, NO, 823, 0, 0.1389, YES, 822, 0, 0.1389, NO
821, 0, 0.1389, NO, 820, 0, 0.1389, NO, 819, 0, 0.1389, NO
818, 0, 0.1389, NO, 817, 0, 0.1389, NO, 816, 0, 0.1389, NO
815, 0, 0.1389, NO, 814, 0, 0.1389, NO, 813, 0, 0.1389, NO
812, 0, 0.1389, NO, 811, 0, 0.1389, NO, 810, 0, 0.1695, YES
809, 0, 0.1695, NO, 808, 0, 0.1695, NO, 807, 0, 0.1695, NO
806, 0, 0.1695, NO, 805, 0, 0.1695, NO, 804, 0, 0.1695, NO
803, 0, 0.1695, NO, 802, 0, 0.1695, NO, 801, 0, 0.1695, NO
NAME=L2-(Copy1), CROSS, CB, 0, 0, BACKWARD, 3, 0
833, -0.665, 0.1695, YES, 832, -0.665, 0.1695, NO
831, -0.665, 0.1695, NO, 830, -0.665, 0.1695, NO
829, -0.665, 0.1695, NO, 828, -0.665, 0.1695, NO
827, -0.665, 0.1695, NO, 826, -0.665, 0.1695, NO
825, -0.665, 0.1695, NO, 824, -0.665, 0.1695, NO
823, -0.665, 0.1389, YES, 822, -0.665, 0.1389, NO
821, -0.665, 0.1389, NO, 820, -0.665, 0.1389, NO
819, -0.665, 0.1389, NO, 818, -0.665, 0.1389, NO
817, -0.665, 0.1389, NO, 816, -0.665, 0.1389, NO
815, -0.665, 0.1389, NO, 814, -0.665, 0.1389, NO
813, -0.665, 0.1389, NO, 812, -0.665, 0.1389, NO
811, -0.665, 0.1389, NO, 810, -0.665, 0.1695, YES
809, -0.665, 0.1695, NO, 808, -0.665, 0.1695, NO
807, -0.665, 0.1695, NO, 806, -0.665, 0.1695, NO
805, -0.665, 0.1695, NO, 804, -0.665, 0.1695, NO
803, -0.665, 0.1695, NO, 802, -0.665, 0.1695, NO
801, -0.665, 0.1695, NO
NAME=L3, LANE, , 0, 0, BACKWARD, 3, 0
233, 0.1, 0.1695, YES, 232, 0.1, 0.1695, NO, 231, 0.1, 0.1695, NO
230, 0.1, 0.1695, NO, 229, 0.1, 0.1695, NO, 228, 0.1, 0.1695, NO
227, 0.1, 0.1695, NO, 226, 0.1, 0.1695, NO, 225, 0.1, 0.1695, NO
224, 0.1, 0.1695, NO, 223, 0.1, 0.1389, YES, 222, 0.1, 0.1389, NO
221, 0.1, 0.1389, NO, 220, 0.1, 0.1389, NO, 219, 0.1, 0.1389, NO
218, 0.1, 0.1389, NO, 217, 0.1, 0.1389, NO, 216, 0.1, 0.1389, NO
215, 0.1, 0.1389, NO, 214, 0.1, 0.1389, NO, 213, 0.1, 0.1389, NO
212, 0.1, 0.1389, NO, 211, 0.1, 0.1389, NO, 210, 0.1, 0.1695, YES
209, 0.1, 0.1695, NO, 208, 0.1, 0.1695, NO, 207, 0.1, 0.1695, NO

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PROJECT TITLE : 논산철안 1중시설을 경밀안전진단 용역				
Company		(주)동우기술단		
Author		부설연구소		Client
MIDAS		File Name	용성2교-상행선	

206, 0.1, 0.1695, NO, 205, 0.1, 0.1695, NO, 204, 0.1, 0.1695, NO
203, 0.1, 0.1695, NO, 202, 0.1, 0.1695, NO, 201, 0.1, 0.1695, NO
NAME=L3-(Copy1), LANE, 0, 0, BACKWARD, 3, 0
233, -0.465, 0.1695, YES, 232, -0.465, 0.1695, NO
231, -0.465, 0.1695, NO, 230, -0.465, 0.1695, NO
229, -0.465, 0.1695, NO, 228, -0.465, 0.1695, NO
227, -0.465, 0.1695, NO, 226, -0.465, 0.1695, NO
225, -0.465, 0.1695, NO, 224, -0.465, 0.1695, NO
223, -0.465, 0.1389, YES, 222, -0.465, 0.1389, NO
221, -0.465, 0.1389, NO, 220, -0.465, 0.1389, NO
219, -0.465, 0.1389, NO, 218, -0.465, 0.1389, NO
217, -0.465, 0.1389, NO, 216, -0.465, 0.1389, NO
215, -0.465, 0.1389, NO, 214, -0.465, 0.1389, NO
213, -0.465, 0.1389, NO, 212, -0.465, 0.1389, NO
211, -0.465, 0.1389, NO, 210, -0.465, 0.1695, YES
209, -0.465, 0.1695, NO, 208, -0.465, 0.1695, NO
207, -0.465, 0.1695, NO, 206, -0.465, 0.1695, NO
205, -0.465, 0.1695, NO, 204, -0.465, 0.1695, NO
203, -0.465, 0.1695, NO, 202, -0.465, 0.1695, NO
201, -0.465, 0.1695, NO

*LSUPPORT : Lane Supports - Negative Moments at Interior Piers
: ITYPE, ELEM_LIST, POSITION : (When ITYPE=0)
: ITYPE, GROUP-NAME : (When ITYPE=1)
0, 101 111 124 201 211 224, END-I
0, 110 123 133 210 223 233, END-J

*VEHICLE : Vehicles
: if Moving Load Code is China
: NAME=NAME, 1, TYPE-NAME, CODE : standard
: NAME=NAME, 2, LTYPE, [TRUCK/LANE] or [TRAIN/SUBWAY] or [CROWD] : user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ... : user: from line 2
: [TRUCK/LANE] : 1, P, Qm, Qq : truck(JTG)
: [TRUCK/LANE] : 2, P, Qm, Qq : lane load1
: [TRUCK/LANE] : 3, Qk, Pk1, L1, Pk2, L2 : lane load2
: [TRUCK/LANE] : 4, dW, dD : crawler type
: [TRUCK/LANE] : 5 : GC type load
: [TRAIN/SUBWAY] : ITYPE, W1, D1, W2, D2 : train-type1,3
: [TRAIN/SUBWAY] : ITYPE, D0, FD, B0, MAINCOUNT : train-type2
: [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD, Po, n, IFR : subway
: [CROWD] : 1, dW1 : crowd-type1
: [CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH : crowd-type2
: if Moving Load Type is India
: NAME=NAME, 1, TYPE-NAME, CODE : standard
: NAME=NAME, 2, bWTB, P, D, Pb, Db, d01, d02, NDIST : user: line 1
: NAME=NAME, 2, bWTB, d01, d02, NDIST : user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ... : user: from line 2
: if Moving Load Code is CANADA
: NAME=NAME, 1, TYPE-NAME, DLA, CODE, [DYNA] : standard
: NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST, [DYNA] : user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ... : user: from line 2
: [DYNA] : nDYNA, FACTX1LE, FACT2XMLE, FACT3XMLE : Dynamic Load Allowance
: if Moving Load Code is BS
: NAME=NAME, 1, TYPE-NAME, CODE, UNITNUM : standard
: NAME=Lane, FACTOR1, FACTOR2, FACTOR3, FACTOR4 : HA, HA & HB, HA & HB(Auto)
: NAME=NAME, 2, ISTYPE, W1, W2, W3, L, Pa, Pb, D1, D2, d, UNITNUM : user(BS 5400)

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PROJECT TITLE : 논산철안 1중시설을 경밀안전진단 용역				
Company		(주)동우기술단		
Author		부설연구소		Client
MIDAS		File Name	용성2교-상행선	

: NAME=NAME, 2, ISTYPE, [B037/01-HA], [B037/01-HB] : user(BS B037/01)
: NAME=NAME, 2, ISTYPE, W, L : user(Pedestrian)
: [BS-DATA+HA] : W1, W2, W3, EXP, L1, L2, Pa
: [BS-DATA+HB] : Pb, D1, D2, d, UNITNUM
: if Moving Load Code is EUROCODE
: NAME=NAME, 1, ITYPE, TYPE-NAME, PSY1, PSY2, PHI, [AF7] : standard (LM1, FLM1)
: NAME=NAME, 1, ITYPE, TYPE-NAME, bDF, bU, PHI, PSY, ADJ, IN : standard (others)
: NAME=NAME, 2, 1, [AF7] : user(Type 1)
: [LOAD7], D, PHI, TSPY, UPSY : user(Type 1): line 2
: NAME=NAME, 2, 2, ALP, TSPY, W, BET, LPSY, P1, D1, P2, D2, ... : user(Type 2)
: NAME=NAME, 2, 3 : user(Type 3)
: [LOADCASE1] : user(Type 3): line 2
: [LOADCASE2] : user(Type 3): line 3
: [LOADCASE3] : user(Type 3): line 4
: NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, U1, F, P1, D1, P2, D2, ... : user(Type 4)
: NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2 : user(Type 5)
: [VEHICLE1] : user(Type 5): line 2
: [VEHICLE2] : user(Type 5): line 3
: [VEHICLE3] : user(Type 5): line 4
: [AF7] : TF1, TF2, TF3, UF1, UF2, UF3, UF4 : adjustment factor
: [LOAD7] : TL1, TL2, TL3, UL1, UL2, UL3, UL4 : tandem/udl loads
: [LOADCASE] : bUSE, N, bDF, bU1, PHI, P1, L1, P2, L2, ... : load case
: [VEHICLE] : bUSE, N, P1, L1, P2, L2, ... : vehicle
: if Moving Load Code is RUSSIA
: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC : standard (SK)
: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC : standard (SK FATIGUE)
: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC : standard (AK)
: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC : standard (N14)
: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC : standard (N11)
: NAME=NAME, 1, ITYPE, nDYNAFAC, dDYNAFAC : standard (SUBWAY TRAINS)
: NAME=NAME, 1, ITYPE, nDYNAFAC, dDYNAFAC : standard (TRAMCARS)
: NAME=NAME, 1, ITYPE, nDYNAFAC, dDYNAFAC : standard (NK-80)
: NAME=NAME, 1, ITYPE, W, D, nDYNAFAC, dDYNAFAC : standard (NG-60)
: NAME=NAME, 1, ITYPE, BRIDGETYPE, W : standard (UNIFORM LOAD)
: NAME=NAME, 1, ITYPE, BRIDGETYPE, W : standard (UNIFORM LOAD(W/O OTHER LOADS))
: NAME=NAME, 1, ITYPE, BRIDGETYPE, P : standard (CONCENTRATED LOAD (W/O OTHER LOADS))
: NAME=NAME, 2, ITYPE, W, nDYNAFAC, dDYNAFAC : user (Type 1)
: NAME=NAME, 2, ITYPE, nDYNAFAC, dDYNAFAC : user (Type 2)
: NAME=NAME, 2, ITYPE, Variable, nDYNAFAC, dDYNAFAC : user (Type 3)
: NAME=NAME, 2, ITYPE, nDYNAFAC, dDYNAFAC : user (Type 4)
: NAME=NAME, 2, ITYPE, nDYNAFAC, dDYNAFAC : user (Type 5)
: NAME=NAME, 2, ITYPE, W, D, nDYNAFAC, dDYNAFAC : user (Type 6)
: NAME=NAME, 2, ITYPE, P, W : user (Type 7)
: if Moving Load Code is KSCE-LS012
: NAME=NAME, 1, TYPE-NAME, nLANETYPE, dDYNAFAC, CODE : standard
: NAME=NAME, 2, W1 : user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ... : user: from line 2
: if Moving Load Code is AASHTO LRFD, CANADA and Load Type is Permit Truck : user(Permit Truck)
: NAME=NAME, 3, AXLE-TYPE-NUM, IMP-FACTOR : user(Permit Truck)
: AXLE-TYPE-NAME1, bEDML1, bSV1, P1, D1, P2, D2, ..., Pn, Dn : user(from line 2)
: :
: AXLE-TYPE-NAMEn, bEDMLn, bSVn, P1, D1, P2, D2, ..., Pn, Dn :
: AXLE-TYPE1, SPACING1, bVS1, AXLE-TYPE2, SPACING2, bVS2, ... : line 2+AXLE-TYPE-NUM
: if Moving Load Code is not one of those specified above.

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PROJECT TITLE : 논산철안 1중시설을 경밀안전진단 용역				
Company		(주)동우기술단		
Author		부설연구소		Client
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: NAME=NAME, 1, TYPE-NAME, DLA, CODE : standard
: NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST : user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ... : user: from line 2
: NAME=OB-24, 1, OB-24, 0, KS2005
: NAME=DL-24, 1, DL-24, 0, KS2005
*MVLDCASE : Moving Load Cases
: NAME=NAME, bLCPV, SCALE1, SCALE2, SCALE3, SCALE4, SCALE5, SCALE6, COMB, DESC : 1st line
: nLTYPE, 2LFACTOR1, 2LFACTOR2, 3LFACTOR1, 3LFACTOR2, 3LFACTOR3, 3LFACTOR4 : 2st line
: TYPE1, VCLASS1, SCALE1, iMIN1, iMAX1, LANE11, LANE12, ... : 3nd line
: ... :
: TYPEn, VCLASSn, SCALEn, iMINn, iMAXn, LANEn1, LANEn2, ... : n+1th line
: NAME=NAME, bLCPV, VEHICLE, REFLANE, ECOCEN, SCALE, DESC : Permit
: NAME=MV, NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT,
1, 1, 1, 1, 1, 0.5, 0.25
VL, OB-24, 1, 1, 3, L1, L2, L3
VL, DL-24, 1, 1, 3, L1, L2, L3
NAME=MV2, NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT,
1, 1, 1, 1, 1, 0.5, 0.25
VL, OB-24, 1, 1, 3, L1-(Copy1), L2-(Copy1), L3-(Copy1)
VL, DL-24, 1, 1, 3, L1-(Copy1), L2-(Copy1), L3-(Copy1)

*LOADCOMB : Combinations
: NAME=NAME, KIND, ACTIVE, bES, ITYPE, DESC, ISERV-TYPE, nLOCMTYPE : line 1
: ANAL1, LCNAM1, FACT1, ... : from line 2
: NAME=LCT1, GEN, ACTIVE, 0, 0, 0, 0
ST, DL(BC), 1, ST, DL(AC), 1, MV, MV, 1

*CON-REAC-GROUP : Concurrent Reaction Group
: GROUP1, GROUP2, ..., GROUPn

*LC-COLOR : Diagram Color for Load Case
: ANAL, LCNAM1, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN), iG2(MIN), iB2(MIN), iR3(MAX), iG2(MAX), iB2(MAX)
ST, DL(BC), 255, 192, 160, 192, 0, 192, 255, 255, 87
ST, DL(AC), 128, 192, 0, 148, 87, 255, 255, 128, 0
ST, WL(No Live), 255, 160, 255, 85, 0, 192, 255, 255, 255
ST, WL(Live), 210, 210, 210, 192, 192, 0, 255, 87, 128
ST, Unit Moment, 212, 160, 255, 0, 157, 192, 192, 128, 0
MV, MV, 0, 128, 57, 192, 192, 0, 255, 255, 255
MV, W2, 160, 192, 255, 192, 0, 128, 65, 0, 192
CB, LCT1, 78, 0, 255, 0, 128, 57, 192, 0, 192

*EIGEN-CTRL : Eigenvalue Analysis Control
: ITYPE, iFREQ, iITER, iDIM, TOL, bMINMAX, FRMIN, FRMAX, bSTRUM : TYPE=EIGEN
: TYPE, bINCLN, iGNUM : TYPE=RITZ(line 1)
: KIND1, CASE1/GROUND1, iNOG1, ... : TYPE=RITZ(from line2)
EIGEN, 20, 20, 1, 1e-010, NO, 0, 1600, NO

*DGN-MATL : Modify Steel(Concrete) Material
: IMAT, TYPE, MNAME, [DATA1] : STEEL
: IMAT, TYPE, MNAME, [DATA2], [R-DATA], FC1, bSERV, SHORT, LONG : CONC
: IMAT, TYPE, MNAME, [DATA3], [DATA2], : SRC
: IMAT, TYPE, MNAME, [DATA5] : STEEL(None) & KSCE-ASD05
: [DATA1] : 1, DB, CODE, NAME or 2, ELAST, POISN, FU, FY1, FY2, FY3, FY4
: FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3

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	Author	부설연구소	Client
			File Name
			용성2교-상행선

: [DATA2] : 1, DB, CODE, NAME or 2, FC, CHK, LAMBDA
: [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1, FY2, FY3, FY4
:
: FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
: [DATA4] : 1, DB, CODE, NAME or 2, FC
: [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5, AL6, AL7, AL8, AL9, AL10
:
: MIN1, MIN2, MIN3
: [R-DATA] : RBCCODE, RBMAIN, RBSUB, FY(R), FYS
1, STEEL, SWS490 , 2, 2.0594e+008, 0.3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
2, STEEL, SWS400C , 2, 2.0594e+008, 0.3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
3, STEEL, SWS400S , 2, 2.0594e+008, 0.3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

*ENDDATA