

일산대교R-I (ST BOX구간)구조검토 OUTPUT 자료

LOAD SET FOR REACTION OUTPUT - Load Set 1

<< LOAD COMBI/CASE/ENVEL ABBREVIATION TABLE
>>

ABBREVIATION TYPE	DESCRIPTION	FULL	NAME
-	-	-	-
No Abbreviation was made in this Load Set. All names are less than 8 char.'s			
-	-	-	-

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST
>>

[Selected	Load	Cases]
LOAD DESCRIPTION DETAIL TYPE	CASE STATIC LOAD CASE	ANAL.TYPE LOAD CASE
활하중		Moving
지점침하		Settle

[Selected	Load	Combinations]
L. COMBINATION DETAIL	COMB DETAIL	TYPE
합성전 1.000 x 슬래브	Gen.Comb	1.000 x 자중 +
합성후 1.000 x 포장	Gen.Comb	1.000 x 방호벽 +

LOAD SET FOR ELEMENT OUTPUTS - Load Set 1

<< LOAD COMBI/CASE/ENVEL ABBREVIATION TABLE
>>

ABBREVIATION TYPE	DESCRIPTION	FULL	NAME
-	-	-	-
No Abbreviation was made in this Load Set. All names are less than 8 char.'s			

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST
>>

[Selected	Load	Cases]
LOAD DESCRIPTION DETAIL TYPE	CASE STATIC LOAD CASE	ANAL.TYPE LOAD CASE
활하중		Moving
지점침하		Settle

[Selected	Load	Combinations]
L. COMBINATION DETAIL	COMB DETAIL	TYPE
합성전 1.000 x 슬래브	Gen.Comb	1.000 x 자중 +
합성후 1.000 x 포장	Gen.Comb	1.000 x 방호벽 +

BEAM ELEMENT FORCES & MOMENTS DEFAULT
PRINTOUT Unit System : kN , m

ELEM	MAT	SEC	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION		MOMENT-y
MOMENT-z					
31	2	9	활하중	Max	I
0.0	454.0	752.6	704.8		0.0
			J		0.0
0.0	490.7	684.2	602.8		0.0
			Min	I	0.0
0.0	-102.9	-882.8	-3436.4		0.0
			J		0.0
0.0	-78.9	-956.0	-3791.2		0.0
			지점침하	Max	I
0.0	52.2	52.5	1093.3		0.0
			J		0.0
0.0	52.2	52.5	1173.2		0.0
			Min	I	0.0
0.0	-52.2	-52.5	-1093.3		0.0
			J		0.0
0.0	-52.2	-52.5	-1173.2		0.0
			합성전	I	1.0
5.8	1479.9	106.1	-11706.5		0.2
			J		1.0
5.8	1586.0	106.1	-14051.9		0.1
			합성후	I	4.5

25.1	479.2	25.6	-3779.1	0.7	4.5	25.2	-603.6	113.8	-5429.5	-0.7	4.8
25.1	510.8	25.6	-4536.5	0.3		25.2	-566.9	113.8	-4390.7	-1.3	
32	2	9	활하중 Max	I	0.0	35	2	10	활하중 Max	I	0.0
0.0	680.7	491.1	717.0	0.0	0.0	0.0	715.6	534.2	574.9	0.0	0.0
0.0	715.6	491.1	575.9	0.0	0.0	0.0	751.4	532.8	541.2	0.0	0.0
0.0	-38.5	-662.0	Min	I	0.0	0.0	-22.7	-657.4	Min	I	0.0
0.0	-22.7	-672.5	-4400.7	0.0	0.0	0.0	-22.7	-657.4	-5108.2	0.0	0.0
0.0	-22.7	-672.5	-5108.9	0.0		0.0	-14.8	-667.7	-5995.4	0.0	
0.0	7.0	지점침하	Max	I	0.0	0.0	7.0	지점침하	Max	I	0.0
0.0	7.0	53.8	927.4	0.0	0.0	0.0	7.0	64.5	935.5	0.0	0.0
0.0	-7.0	-53.8	936.2	0.0	0.0	0.0	-7.0	64.5	945.2	0.0	0.0
0.0	-7.0	-53.8	Min	I	0.0	0.0	-7.0	-64.5	Min	I	0.0
0.0	-7.0	-53.8	-927.4	0.0	0.0	0.0	-7.0	-64.5	-935.5	0.0	0.0
0.0	-7.0	-53.8	-936.2	0.0		0.0	-7.0	-64.5	-945.2	0.0	
-5.9	1445.8	합성전		I	-1.0	-5.9	1555.7	합성전		I	-1.1
-5.9	1555.7	98.7	-12327.1	-0.5	-1.0	-5.9	1555.7	266.6	-14705.7	-0.3	-1.1
-5.9	1555.7	98.7	-14707.8	-0.3		-5.9	1680.6	266.6	-17547.1	-0.1	
-25.4	468.1	합성후		I	-4.3	-25.3	500.9	합성후		I	-4.6
-25.4	468.1	23.5	-3982.9	-2.0	-4.3	-25.3	500.9	77.8	-4750.9	-1.1	-4.6
-25.4	500.9	23.5	-4751.5	-1.1		-25.3	537.2	77.8	-5662.3	-0.3	
33	2	10	활하중 Max	I	0.0	36	2	10	활하중 Max	I	0.0
0.0	490.7	714.8	601.3	0.0	0.0	0.0	42.1	771.6	540.6	0.0	0.0
0.0	528.0	655.5	525.7	0.0	0.0	0.0	45.9	761.4	525.0	0.0	0.0
0.0	-78.9	-951.6	Min	I	0.0	0.0	-814.9	-463.7	Min	I	0.0
0.0	-58.1	-1022.9	-3790.3	0.0	0.0	0.0	-772.0	-465.5	-5992.4	0.0	0.0
0.0	-58.1	-1022.9	-4257.6	0.0		0.0	-772.0	-465.5	-4835.7	0.0	
0.0	52.2	지점침하	Max	I	0.0	0.0	22.6	지점침하	Max	I	0.0
0.0	52.2	66.6	1172.5	0.0	0.0	0.0	22.6	28.7	944.8	0.0	0.0
0.0	52.2	66.6	1260.9	0.0	0.0	0.0	22.6	28.7	917.3	0.0	0.0
0.0	-52.2	-66.6	Min	I	0.0	0.0	-22.6	-28.7	Min	I	0.0
0.0	-52.2	-66.6	-1172.5	0.0	0.0	0.0	-22.6	-28.7	-944.8	0.0	0.0
0.0	-52.2	-66.6	-1260.9	0.0		0.0	-22.6	-28.7	-917.3	0.0	
5.8	1586.0	합성전		I	1.1	-5.9	-1861.2	합성전		I	-1.1
5.8	1586.0	275.4	-14049.6	0.1	1.1	-5.9	-1861.2	370.5	-17543.0	-0.2	-1.1
5.8	1706.4	275.4	-16837.9	-0.0		-5.9	-1730.2	370.5	-14237.6	0.0	
25.1	510.8	합성후		I	4.8	-25.4	-586.8	합성후		I	-4.7
25.1	510.8	80.3	-4535.9	0.3	4.8	-25.4	-586.8	111.1	-5661.1	-0.9	-4.7
25.1	545.8	80.3	-5430.7	-0.1		-25.4	-548.8	111.1	-4615.8	0.2	
34	2	10	활하중 Max	I	0.0	47	2	14	활하중 Max	I	0.0
0.0	108.1	1084.6	525.1	0.0	0.0	0.0	117.7	1013.8	1710.5	0.0	0.0
0.0	132.3	1000.3	528.7	0.0	0.0	0.0	142.6	961.2	1896.2	0.0	0.0
0.0	-569.9	-632.8	Min	I	0.0	0.0	-438.8	-426.2	Min	I	0.0
0.0	-525.4	-701.6	-4254.8	0.0	0.0	0.0	-438.8	-426.2	-1568.0	0.0	0.0
0.0	-525.4	-701.6	-3600.8	0.0		0.0	-415.1	-479.3	-1463.6	0.0	
0.0	73.0	지점침하	Max	I	0.0	0.0	47.8	지점침하	Max	I	0.0
0.0	73.0	28.3	1260.5	0.0	0.0	0.0	47.8	39.7	615.1	0.0	0.0
0.0	73.0	28.3	1130.9	0.0	0.0	0.0	47.8	39.7	562.6	0.0	0.0
0.0	-73.0	-28.3	Min	I	0.0	0.0	-47.8	-39.7	Min	I	0.0
0.0	-73.0	-28.3	-1260.5	0.0	0.0	0.0	-47.8	-39.7	-615.1	0.0	0.0
0.0	-73.0	-28.3	-1130.9	0.0		0.0	-47.8	-39.7	-562.6	0.0	
5.8	-1912.8	합성전		I	1.1	5.7	-1117.6	합성전		I	1.4
5.8	-1912.8	379.4	-16833.9	-0.2	1.1	5.7	-1117.6	752.8	-438.5	-0.6	1.4
5.8	-1786.5	379.4	-13550.8	-0.3		5.7	-1047.1	752.8	750.6	-0.5	
		합성후		I	4.8			합성후		I	6.2

24.6	-361.1	237.8	-191.2	-2.5	6.2	-24.9	-19.3	-36.3	3171.1	-1.0	-8.5
24.6	-338.4	237.8	193.1	-2.2		-24.9	84.0	-36.3	3009.5	-0.7	
48	2	14	활하중 Max	I	0.0	76	2	22	활하중 Max	I	0.0
0.0	115.9	786.3	2269.5	0.0	0.0	0.0	483.8	744.5	968.6	0.0	0.0
0.0	135.6	778.9	2498.6	0.0	0.0	0.0	489.8	731.0	973.4	0.0	0.0
0.0	-515.9	-174.0	Min	I	0.0	0.0	-180.0	-991.8	Min	I	0.0
0.0	-495.7	-174.0	-1772.8	0.0	0.0	0.0	-175.1	-1003.0	-3034.7	0.0	0.0
0.0			J			0.0			J		
0.0			-1629.0	0.0		0.0			-3119.6	0.0	
0.0		지점침하 Max	I	0.0		0.0		지점침하 Max	I	0.0	
0.0	40.1	41.1	626.1	0.0	0.0	0.0	74.7	36.6	1263.9	0.0	0.0
0.0	40.1	41.1	580.5	0.0	0.0	0.0	74.7	36.6	1284.2	0.0	0.0
0.0	-40.1	-41.1	Min	I	0.0	0.0	-74.7	-36.6	Min	I	0.0
0.0	-40.1	-41.1	-626.1	0.0	0.0	0.0	-74.7	-36.6	-1263.9	0.0	0.0
0.0	-40.1	-41.1	J			0.0	-74.7	-36.6	J		
0.0			-580.5	0.0		0.0			-1284.2	0.0	
-5.8	-1155.8	합성전	I	-1.4		5.9	1598.1	합성전	I	2.7	
-5.8	-1082.7	752.1	-587.4	0.3	-1.4	5.9	1598.1	-759.1	-8694.2	0.4	2.7
-5.8			J			5.9	1616.9	-759.1	-9130.5	0.3	
-5.8			685.9	0.3		5.9					
-24.8	-373.4	합성후	I	-6.1		25.2	504.1	합성후	I	11.5	
-24.8	-349.9	237.8	-244.1	1.2	-6.1	25.2	504.1	-237.2	-2802.0	1.6	11.5
-24.8			J			25.2	509.7	-237.2	-2939.5	1.5	
-24.8			167.3	1.2		25.2					
56	2	16	활하중 Max	I	0.0	77	2	22	활하중 Max	I	0.0
0.0	195.1	629.8	3665.7	0.0	0.0	0.0	656.5	299.2	1115.2	0.0	0.0
0.0	310.9	328.8	3507.9	0.0	0.0	0.0	669.1	299.2	1081.9	0.0	0.0
0.0	-263.0	-466.6	Min	I	0.0	0.0	-77.9	-886.8	Min	I	0.0
0.0	-160.7	-769.2	-1135.8	0.0	0.0	0.0	-72.5	-890.9	-3493.5	0.0	0.0
0.0			J			0.0			J		
0.0			-1116.0	0.0		0.0			-3782.8	0.0	
0.0		지점침하 Max	I	0.0		0.0		지점침하 Max	I	0.0	
0.0	42.9	13.0	407.1	0.0	0.0	0.0	31.5	78.9	1137.7	0.0	0.0
0.0	42.9	13.0	441.7	0.0	0.0	0.0	31.5	78.9	1157.8	0.0	0.0
0.0	-42.9	-13.0	Min	I	0.0	0.0	-31.5	-78.9	Min	I	0.0
0.0	-42.9	-13.0	-407.1	0.0	0.0	0.0	-31.5	-78.9	-1137.7	0.0	0.0
0.0	-42.9	-13.0	J			0.0	-31.5	-78.9	J		
0.0			-441.7	0.0		0.0			-1157.8	0.0	
5.7	-61.3	합성전	I	2.0		-5.8	1525.5	합성전	I	-2.7	
5.7	-117.3	9248.2	J	-0.2	2.0	-5.8	1525.5	-658.4	-8248.8	-0.2	-2.7
5.7	242.2	-117.3	8812.1	0.1		-5.8	1569.7	-658.4	-9238.3	-0.2	
24.6	-20.4	합성후	I	8.5		-24.8	483.0	합성후	I	-11.6	
24.6	-36.9	2941.1	J	-0.7	8.5	-24.8	483.0	-205.2	-2665.7	-0.8	-11.6
24.6	79.2	-36.9	2799.4	0.4		-24.8	496.2	-205.2	-2978.8	-0.9	
61	2	16	활하중 Max	I	0.0	79	2	23	활하중 Max	I	0.0
0.0	249.3	284.6	4535.2	0.0	0.0	0.0	489.8	741.1	974.2	0.0	0.0
0.0	341.4	276.1	4340.2	0.0	0.0	0.0	569.2	598.0	1047.9	0.0	0.0
0.0	-283.5	-400.4	Min	I	0.0	0.0	-175.1	-983.0	Min	I	0.0
0.0	-201.4	-410.2	-1221.1	0.0	0.0	0.0	-125.6	-1135.8	-3125.8	0.0	0.0
0.0			J			0.0			J		
0.0			-1192.9	0.0		0.0			-4286.9	0.0	
0.0		지점침하 Max	I	0.0		0.0		지점침하 Max	I	0.0	
0.0	45.0	12.8	443.7	0.0	0.0	0.0	74.7	49.1	1283.8	0.0	0.0
0.0	45.0	12.8	480.2	0.0	0.0	0.0	74.7	49.1	1528.9	0.0	0.0
0.0	-45.0	-12.8	Min	I	0.0	0.0	-74.7	-49.1	Min	I	0.0
0.0	-45.0	-12.8	-443.7	0.0	0.0	0.0	-74.7	-49.1	-1283.8	0.0	0.0
0.0	-45.0	-12.8	J			0.0	-74.7	-49.1	J		
0.0			-480.2	0.0		0.0			-1528.9	0.0	
-5.8	-57.6	합성전	I	-2.0		5.8	1616.9	합성전	I	2.8	
-5.8	-115.3	9977.4	J	-0.2	-2.0	5.8	1616.9	-614.8	-9141.4	0.3	2.8
-5.8	257.1	-115.3	9478.9	-0.2		5.8	1849.0	-614.8	-14829.9	0.2	
		합성후	I	-8.5				합성후	I	11.9	

25.0	509.7	-190.8	-2942.9	1.5		-25.4	-467.0	-127.5	-4912.9	0.1	
25.0	577.4	-190.8	-4727.2	0.8	11.9	-25.4	-431.5	-127.5	-4141.0	1.1	-12.1
80	2	23	활하중 Max	I	0.0	98	2	29	활하중 Max	I	0.0
0.0	103.3	946.0	1048.4	0.0	0.0	0.0	149.3	785.2	2248.2	0.0	0.0
0.0	125.3	871.5	1018.0	0.0	0.0	0.0	182.8	655.8	2386.6	0.0	0.0
0.0	-509.8	-675.8	-4292.7	0.0	0.0	0.0	-355.7	-230.6	-2266.2	0.0	0.0
0.0	-472.1	-737.6	-3838.8	0.0	0.0	0.0	-314.2	-320.9	-2132.8	0.0	0.0
0.0	95.3	지점침하 Max	38.3 1528.5	I	0.0	0.0	69.2	지점침하 Max	19.0 516.4	I	0.0
0.0	95.3	38.3	1370.6	0.0	0.0	0.0	69.2	19.0	437.0	0.0	0.0
0.0	-95.3	-38.3	-1528.5	I	0.0	0.0	-69.2	-19.0	-516.4	I	0.0
0.0	-95.3	-38.3	-1370.6	0.0	0.0	0.0	-69.2	-19.0	-437.0	0.0	0.0
5.9	-1496.4	합성전	-419.5 -14838.8	I	2.8	5.8	-520.2	합성전	95.0 -714.4	I	3.3
5.9	-1379.2	-419.5	-12456.2	0.1	2.8	5.8	-411.1	95.0	103.7	-0.6	3.3
25.4	-474.3	합성후	-129.1 -4729.9	I	12.2	24.9	-170.8	합성후	32.2 -174.7	I	14.3
25.4	-440.1	-129.1	-3972.3	0.5	12.2	24.9	-134.5	32.2	93.5	-2.5	14.3
81	2	23	활하중 Max	I	0.0	99	2	29	활하중 Max	I	0.0
0.0	731.9	438.7	1066.1	0.0	0.0	0.0	154.7	496.7	2480.8	0.0	0.0
0.0	808.0	437.0	1090.5	0.0	0.0	0.0	205.5	496.7	2931.8	0.0	0.0
0.0	-77.6	-815.5	-3936.7	I	0.0	0.0	-444.5	-185.7	-2708.4	I	0.0
0.0	-60.9	-835.8	-5960.4	0.0	0.0	0.0	-384.4	-185.7	-2432.0	0.0	0.0
0.0	14.2	지점침하 Max	51.0 1161.0	I	0.0	0.0	66.3	지점침하 Max	23.2 677.3	I	0.0
0.0	14.2	51.0	1206.1	0.0	0.0	0.0	66.3	23.2	537.6	0.0	0.0
0.0	-14.2	-51.0	-1161.0	I	0.0	0.0	-66.3	-23.2	-677.3	I	0.0
0.0	-14.2	-51.0	-1206.1	0.0	0.0	0.0	-66.3	-23.2	-537.6	0.0	0.0
-5.9	1559.3	합성전	-601.1 -9686.3	I	-2.8	-5.7	-744.0	합성전	105.5 -2951.6	I	-3.2
-5.9	1799.9	-601.1	-15400.4	0.1	-2.8	-5.7	-537.9	105.5	-824.8	0.6	-3.2
-25.3	491.1	합성후	-186.5 -3119.9	I	-11.9	-24.7	-243.9	합성후	36.5 -903.3	I	-14.0
-25.3	561.4	-186.5	-4910.3	-1.1	-11.9	-24.7	-175.3	36.5	-207.8	2.6	-14.0
82	2	23	활하중 Max	I	0.0	105	2	31	활하중 Max	I	0.0
0.0	81.5	613.4	1090.7	0.0	0.0	0.0	198.4	622.9	2440.0	0.0	0.0
0.0	82.0	603.5	1011.8	0.0	0.0	0.0	310.4	295.2	2214.4	0.0	0.0
0.0	-746.8	-565.0	-5966.0	I	0.0	0.0	-306.6	-340.0	-1911.4	I	0.0
0.0	-710.8	-566.4	-5087.8	0.0	0.0	0.0	-205.0	-664.4	-1613.3	0.0	0.0
0.0	42.8	지점침하 Max	38.0 1205.6	I	0.0	0.0	68.7	지점침하 Max	15.7 439.1	I	0.0
0.0	42.8	38.0	1132.0	0.0	0.0	0.0	68.7	15.7	445.9	0.0	0.0
0.0	-42.8	-38.0	-1205.6	I	0.0	0.0	-68.7	-15.7	-439.1	I	0.0
0.0	-42.8	-38.0	-1132.0	0.0	0.0	0.0	-68.7	-15.7	-445.9	0.0	0.0
-5.9	-1474.3	합성전	-414.2 -15408.9	I	-2.8	5.7	-225.2	합성전	60.0 1047.5	I	3.6
-5.9	-1352.8	-414.2	-12980.0	0.0	-2.8	5.7	58.0	60.0	1442.2	-0.5	3.6
		합성후		I	-12.1			합성후		I	15.3

24.7	-73.3	18.1	399.9	-2.1	15.3	-23.6	246.1	2.0	-951.2	-1.8	-17.5
24.7	24.1	18.1	516.0	-1.3		-23.6	251.7	2.0	-1019.1	-2.1	
109	2	31	활하중 Max	I	0.0	117	2	34	활하중 Max	I	0.0
0.0	245.9	261.6	3164.9		0.0	0.0	399.5	631.0	1074.7		0.0
0.0	341.2	252.3	2926.0	I	0.0	0.0	483.6	472.8	1275.2	I	0.0
0.0	-320.0	-310.6	Min -2048.8		0.0	0.0	-212.4	-669.4	Min -1768.0		0.0
0.0	-240.3	-310.6	-1730.7	J	0.0	0.0	-163.8	-870.8	-2470.4	J	0.0
0.0	69.4	지점침하 Max	16.1 471.3		0.0	0.0	89.1	지점침하 Max	30.7 1093.8		0.0
0.0	69.4	16.1	476.5	I	0.0	0.0	89.1	30.7	1386.4	J	0.0
0.0	-69.4	-16.1	Min -471.3		0.0	0.0	-89.1	-30.7	Min -1093.8		0.0
0.0	-69.4	-16.1	-476.5	J	0.0	0.0	-89.1	-30.7	-1386.4	J	0.0
-5.7	-237.8	합성전	64.2 1066.5		-3.6	5.4	736.0	합성전	54.0 -2845.6		4.1
-5.7	55.8	64.2	1511.7	J	-3.6	5.4	938.7	54.0	-5595.4	J	4.1
-24.7	-77.4	합성 후	19.4 409.2		0.2	23.3	252.8	합성 후	15.3 -978.2		17.8
-24.7	23.6	19.4	540.8	I	-15.3	23.3	320.6	15.3	-1919.9	J	17.8
115	2	33	활하중 Max		-15.3	118	2	34	활하중 Max		0.0
0.0	393.1	637.6	1063.8	I	0.0	0.0	118.7	901.0	1276.0	I	0.0
0.0	399.5	623.0	1074.8		0.0	0.0	159.7	759.3	1201.6		0.0
0.0	-217.6	-652.4	Min -1725.0	I	0.0	0.0	-474.9	-438.0	Min -2468.7	I	0.0
0.0	-212.4	-665.3	-1768.5		0.0	0.0	-406.7	-563.4	-1863.3		0.0
0.0	89.1	지점침하 Max	19.6 1070.5	I	0.0	0.0	79.5	지점침하 Max	37.6 1386.4	I	0.0
0.0	89.1	19.6	1093.9		0.0	0.0	79.5	37.6	1175.8		0.0
0.0	-89.1	-19.6	Min -1070.5	I	0.0	0.0	-79.5	-37.6	Min -1386.4	I	0.0
0.0	-89.1	-19.6	-1093.9		0.0	0.0	-79.5	-37.6	-1175.8		0.0
5.5	720.1	합성전	16.2 -2654.8	I	4.1	6.1	-1074.5	합성전	150.6 -5593.2	I	-2.9
5.5	736.0	16.2	-2846.1		0.2	6.1	-911.0	150.6	-2962.0		-2.9
23.6	247.4	합성 후	2.3 -912.6	I	4.1	26.3	-362.7	합성 후	48.9 -1919.2	I	-12.5
23.6	252.8	2.3	-978.3		0.9	26.3	-307.9	48.9	-1030.5		-12.5
116	2	33	활하중 Max	I	17.5	119	2	34	활하중 Max	I	0.0
0.0	597.2	365.6	1186.0		17.5	0.0	603.2	378.6	1181.5		0.0
0.0	603.2	365.6	1182.0	I	0.0	0.0	681.3	377.1	1388.6	I	0.0
0.0	-167.8	-520.2	Min -2250.0		0.0	0.0	-164.5	-517.2	Min -2337.3		0.0
0.0	-164.5	-522.1	-2336.7	J	0.0	0.0	-151.2	-538.4	-3700.2	J	0.0
0.0	49.1	지점침하 Max	21.3 983.0		0.0	0.0	49.1	지점침하 Max	31.9 996.3		0.0
0.0	49.1	21.3	996.4	I	0.0	0.0	49.1	31.9	1163.3	J	0.0
0.0	-49.1	-21.3	Min -983.0		0.0	0.0	-49.1	-31.9	Min -996.3		0.0
0.0	-49.1	-21.3	-996.4	J	0.0	0.0	-49.1	-31.9	-1163.3	J	0.0
-5.5	715.2	합성전	15.3 -2758.4		-4.1	-5.4	731.8	합성전	51.6 -2955.4		-4.1
-5.5	731.8	15.3	-2955.8	I	-0.4	-5.4	941.8	51.6	-5804.0	J	-4.1
		합성 후			-0.5			합성 후			-17.8
				I	-17.5					I	

-23.4	251.7	14.5	-1019.0	-2.1	-17.8	-26.7	-276.3	68.7	-609.7	-0.1	11.9
-23.4	322.0	14.5	-1995.6	-7.1		-26.7	-263.6	68.7	-443.8	1.0	
120	2	34	활하중 Max	I	0.0	136	2	40	활하중 Max	I	0.0
0.0	105.9	591.1	1389.4	J	0.0	0.0	162.9	740.0	2265.0	J	0.0
0.0	115.2	574.3	1284.4	J	0.0	0.0	265.4	405.3	2452.9	J	0.0
0.0	-675.2	-347.0	Min	I	0.0	0.0	-323.0	-261.6	Min	I	0.0
0.0	-612.6	-348.5	-3698.9	J	0.0	0.0	-188.5	-592.2	-1227.3	J	0.0
			-2534.1	J	0.0				-1280.5	J	0.0
0.0	39.2	지점침하	Max	I	0.0	0.0	58.9	지점침하	Max	I	0.0
0.0	39.2	38.3	1163.3	J	0.0	0.0	58.9	12.1	478.3	J	0.0
0.0	-39.2	38.3	1055.7	J	0.0	0.0	-58.9	12.1	384.3	J	0.0
0.0	-39.2	-38.3	Min	I	0.0	0.0	-58.9	-12.1	Min	I	0.0
0.0	-39.2	-38.3	-1163.3	J	0.0	0.0	-58.9	-12.1	-478.3	J	0.0
			-1055.7	J	0.0				-384.3	J	0.0
-6.1	-1081.9	합성전		I	2.9	5.7	-172.9	합성전		I	-2.3
-6.1	-912.4	148.1	-5801.8	J	2.9	5.7	119.0	4.7	3372.8	J	-2.3
			-3062.3	J	-0.7				3503.9	J	0.1
-26.4	-365.4	합성 후		I	12.5	24.6	-61.2	합성 후		I	-9.9
-26.4	-308.7	48.1	-1995.0	J	12.5	24.6	39.2	2.3	1127.3	J	-9.9
			-1069.1	J	-2.8				1180.8	J	0.3
125	2	37	활하중 Max	I	0.0	140	2	40	활하중 Max	I	0.0
0.0	188.1	678.6	1184.9	J	0.0	0.0	197.9	366.2	2950.3	J	0.0
0.0	199.8	652.1	1176.8	J	0.0	0.0	278.3	366.2	3231.5	J	0.0
0.0	-370.3	-645.1	Min	I	0.0	0.0	-355.8	-226.3	Min	I	0.0
0.0	-356.7	-697.9	-1616.4	J	0.0	0.0	-249.2	-229.7	-1311.6	J	0.0
			-1536.0	J	0.0				-1362.6	J	0.0
0.0	79.5	지점침하	Max	I	0.0	0.0	59.8	지점침하	Max	I	0.0
0.0	79.5	17.6	1056.1	J	0.0	0.0	59.8	12.1	507.1	J	0.0
0.0	-79.5	17.6	1008.9	J	0.0	0.0	-59.8	12.1	413.5	J	0.0
0.0	-79.5	-17.6	Min	I	0.0	0.0	-59.8	-12.1	Min	I	0.0
0.0	-79.5	-17.6	-1056.1	J	0.0	0.0	-59.8	-12.1	-507.1	J	0.0
			-1008.9	J	0.0				-413.5	J	0.0
6.2	-818.4	합성전		I	-2.8	-5.7	-177.3	합성전		I	2.3
6.2	-782.4	206.3	-1651.7	J	-2.8	-5.7	125.4	1.6	3595.1	J	0.4
			-1177.1	J	-0.2				3725.9	J	0.2
26.6	-276.7	합성 후		I	-12.0	-24.7	-62.8	합성 후		I	9.8
26.6	-264.5	68.4	-587.6	J	-12.0	-24.7	41.3	1.3	1200.1	J	9.8
			-427.1	J	-1.1				1254.4	J	0.8
127	2	37	활하중 Max	I	0.0	157	2	45	활하중 Max	I	0.0
0.0	133.4	571.2	1365.8	J	0.0	0.0	397.6	711.9	613.6	J	0.0
0.0	141.0	567.1	1436.1	J	0.0	0.0	420.6	660.3	519.8	J	0.0
0.0	-578.6	-322.6	Min	I	0.0	0.0	-157.7	-699.5	Min	I	0.0
0.0	-565.8	-322.6	-2042.9	J	0.0	0.0	-139.2	-744.0	-2110.8	J	0.0
			-1880.5	J	0.0				-2281.6	J	0.0
0.0	39.2	지점침하	Max	I	0.0	0.0	81.8	지점침하	Max	I	0.0
0.0	39.2	18.9	994.8	J	0.0	0.0	81.8	19.9	868.5	J	0.0
0.0	-39.2	18.9	970.7	J	0.0	0.0	-81.8	19.9	950.5	J	0.0
0.0	-39.2	-18.9	Min	I	0.0	0.0	-81.8	-19.9	Min	I	0.0
0.0	-39.2	-18.9	-994.8	J	0.0	0.0	-81.8	-19.9	-868.5	J	0.0
			-970.7	J	0.0				-950.5	J	0.0
-6.2	-816.5	합성전		I	2.8	5.8	1092.2	합성전		I	-1.6
-6.2	-779.1	206.9	-1704.4	J	2.8	5.8	1155.3	-54.9	-5862.4	J	-1.6
			-1214.2	J	0.2				-6988.8	J	0.5
		합성 후		I	11.9			합성 후		I	-6.9

25.1	365.1	-18.8	-1956.7	2.2	-6.9	25.1	-511.1	104.0	-3804.8	0.6	-6.0
25.1	385.8	-18.8	-2333.1	2.0		25.1	-449.2	104.0	-2364.7	-0.0	
158	2	45	활하중 Max	I	0.0	161	2	46	활하중 Max	I	0.0
0.0	613.9	380.3	840.6	0.0	0.0	0.0	635.9	408.0	588.4	0.0	0.0
0.0	635.9	380.3	588.7	0.0	0.0	0.0	717.9	406.5	466.9	0.0	0.0
0.0	-93.9	-579.8	Min	I	0.0	0.0	-81.5	-570.5	Min	I	0.0
0.0	-81.5	-586.7	-2664.8	0.0	0.0	0.0	-59.0	-593.2	-3013.8	0.0	0.0
0.0			-3013.0	0.0		0.0			-4597.0	0.0	
0.0	36.8	지점침하	Max	I	0.0	0.0	36.8	지점침하	Max	I	0.0
0.0	36.8	18.7	779.0	0.0	0.0	0.0	36.8	19.0	817.4	0.0	0.0
0.0	-36.8	-18.7	817.2	0.0	0.0	0.0	-36.8	-19.0	950.7	0.0	0.0
0.0	-36.8	-18.7	Min	I	0.0	0.0	-36.8	-19.0	Min	I	0.0
0.0			-779.0	0.0		0.0			-817.4	0.0	
0.0			-817.2	0.0		0.0			-950.7	0.0	
-5.8	1110.7	합성전		I	1.6	-5.9	1176.1	합성전		I	1.5
-5.8	1176.1	-73.9	-6316.1	-0.2	1.6	-5.9	1410.1	46.5	-7503.8	-0.2	1.5
-25.2	371.4	-25.2	-2109.8	-1.0	6.9	-25.3	392.8	15.1	-2506.7	-0.7	6.5
-25.2	392.8	-25.2	-2506.7	-0.7	6.9	-25.3	467.6	15.1	-4064.4	0.9	6.5
159	2	46	활하중 Max	I	0.0	162	2	46	활하중 Max	I	0.0
0.0	420.6	677.4	518.2	0.0	0.0	0.0	12.5	672.2	467.9	0.0	0.0
0.0	506.9	524.5	443.9	0.0	0.0	0.0	34.5	652.8	610.9	0.0	0.0
0.0	-139.2	-741.6	Min	I	0.0	0.0	-733.9	-353.2	Min	I	0.0
0.0	-86.1	-944.8	-2280.7	0.0	0.0	0.0	-665.8	-354.6	-4594.6	0.0	0.0
0.0			-3086.5	0.0		0.0			-3051.7	0.0	
0.0	81.8	지점침하	Max	I	0.0	0.0	5.2	지점침하	Max	I	0.0
0.0	81.8	17.8	950.7	0.0	0.0	0.0	5.2	62.2	951.4	0.0	0.0
0.0	-81.8	-17.8	1236.4	0.0	0.0	0.0	-5.2	62.2	937.0	0.0	0.0
0.0	-81.8	-17.8	Min	I	0.0	0.0	-5.2	-62.2	Min	I	0.0
0.0			-950.7	0.0		0.0			-951.4	0.0	
0.0			-1236.4	0.0		0.0			-937.0	0.0	
5.8	1155.3	합성전		I	-1.5	-5.8	-1575.4	합성전		I	1.4
5.8	1381.1	51.1	-6988.8	0.5	-1.5	-5.8	-1374.4	309.8	-12181.6	0.2	1.4
25.2	385.8	합성후		I	-6.5	-25.2	-521.3	합성후		I	6.0
25.2	457.9	16.6	-2333.1	2.0	-6.5	-25.2	-457.1	102.9	-4063.0	0.7	6.0
160	2	46	활하중 Max	I	0.0	169	2	49	활하중 Max	I	0.0
0.0	59.4	1010.9	444.8	0.0	0.0	0.0	61.6	936.1	999.7	0.0	0.0
0.0	102.4	864.2	595.8	0.0	0.0	0.0	162.2	743.9	1804.0	0.0	0.0
0.0	-525.1	-465.8	Min	I	0.0	0.0	-441.5	-362.7	Min	I	0.0
0.0	-452.4	-598.7	-3083.6	0.0	0.0	0.0	-352.0	-612.3	-1640.5	0.0	0.0
0.0			-2255.5	0.0		0.0			-1387.7	0.0	
0.0	49.6	지점침하	Max	I	0.0	0.0	35.2	지점침하	Max	I	0.0
0.0	49.6	61.7	1237.1	0.0	0.0	0.0	35.2	49.0	933.3	0.0	0.0
0.0	-49.6	-61.7	1088.5	0.0	0.0	0.0	-35.2	-49.0	792.4	0.0	0.0
0.0	-49.6	-61.7	Min	I	0.0	0.0	-35.2	-49.0	Min	I	0.0
0.0			-1237.1	0.0		0.0			-933.3	0.0	
0.0			-1088.5	0.0		0.0			-792.4	0.0	
5.8	-1544.8	합성전		I	-1.4	5.7	-1109.8	합성전		I	-1.1
5.8	-1350.9	313.3	-11413.0	0.1	-1.4	5.7	-864.4	517.6	-2645.3	-0.1	-1.1
		합성후		I	-6.0			합성후		I	-4.9
			-7070.5	-0.0					1308.5	0.1	

24.6	-370.7	172.6	-890.0	-0.6	-4.9	-25.7	-64.1	-16.6	2551.5	0.2	2.3
24.6	-288.0	172.6	429.0	0.3		-25.7	60.1	-16.6	2563.6	5.4	
171	2	49	활하중 Max	I	0.0	185	2	52	활하중 Max	I	0.0
0.0	57.0	658.6	1365.7	0.0	0.0	0.0	318.3	444.0	1021.3	0.0	0.0
0.0	132.8	630.8	2478.5	0.0	0.0	0.0	430.1	259.7	8.9	0.0	0.0
0.0	-541.3	-162.7	Min	I	0.0	0.0	-129.4	-645.4	Min	I	0.0
0.0	-462.8	-162.7	-1949.5	0.0	0.0	0.0	-54.0	-814.7	-195.0	0.0	0.0
			J						J		
0.0	-462.8	-162.7	-1516.4	0.0		0.0	-54.0	-814.7	-96.1	0.0	
			J						J		
0.0	19.0	지점침하 Max	I	0.0	0.0	0.0	24.5	지점침하 Max	I	0.0	0.0
0.0	19.0	51.3	902.7	0.0	0.0	0.0	24.5	22.0	78.0	0.0	0.0
0.0	-19.0	51.3	823.7	0.0	0.0	0.0	-24.5	22.0	0.2	0.0	0.0
0.0	-19.0	-51.3	Min	I	0.0	0.0	-24.5	-22.0	Min	I	0.0
0.0	-19.0	-51.3	-902.7	0.0	0.0	0.0	-24.5	-22.0	-78.0	0.0	0.0
			J						J		
0.0	-19.0	-51.3	-823.7	0.0		0.0	-24.5	-22.0	-0.2	0.0	
			J						J		
-5.7	-1153.4	합성전	I	1.1		4.7	705.3	합성전	I	-0.0	
-5.7	-898.9	525.7	-2899.5	0.5	1.1	4.7	705.3	-457.7	2546.9	-5.8	-0.0
			J						J		
-5.7	-898.9	525.7	1362.5	0.3		4.7	896.2	-457.7	0.0	-2.3	
			J						J		
-24.7	-385.3	합성 후	I	4.8		20.1	235.6	합성 후	I	-0.2	
-24.7	-299.5	175.3	-976.9	2.0	4.8	20.1	235.6	-153.0	853.6	-25.1	-0.2
			J						J		
-24.7	-299.5	175.3	445.1	1.4		20.1	301.3	-153.0	-0.0	-10.0	
			J						J		
175	2	50	활하중 Max	I	0.0	189	2	52	활하중 Max	I	0.0
0.0	167.0	632.1	3155.9	0.0	0.0	0.0	518.5	134.9	1714.0	0.0	0.0
0.0	318.0	268.1	2953.0	0.0	0.0	0.0	609.3	132.6	6.2	0.0	0.0
0.0	-277.8	-429.1	Min	I	0.0	0.0	-96.9	-597.5	Min	I	0.0
0.0	-126.6	-795.8	-870.5	0.0	0.0	0.0	-62.0	-617.3	-201.3	0.0	0.0
			J						J		
0.0	-126.6	-795.8	-588.4	0.0		0.0	-62.0	-617.3	-97.8	0.0	
			J						J		
0.0	26.8	지점침하 Max	I	0.0	0.0	0.0	29.7	지점침하 Max	I	0.0	0.0
0.0	26.8	16.6	482.2	0.0	0.0	0.0	29.7	21.9	98.2	0.0	0.0
0.0	-26.8	16.6	326.8	0.0	0.0	0.0	-29.7	21.9	0.3	0.0	0.0
0.0	-26.8	-16.6	Min	I	0.0	0.0	-29.7	-21.9	Min	I	0.0
0.0	-26.8	-16.6	-482.2	0.0	0.0	0.0	-29.7	-21.9	-98.2	0.0	0.0
			J						J		
0.0	-26.8	-16.6	-326.8	0.0		0.0	-29.7	-21.9	-0.3	0.0	
			J						J		
5.9	-165.0	합성전	I	-0.5		-4.7	828.6	합성전	I	0.0	
5.9	190.4	-61.5	7048.8	0.2	-0.5	-4.7	828.6	-459.2	3058.3	6.1	0.0
			J						J		
5.9	190.4	-61.5	6974.9	-0.9		-4.7	1026.5	-459.2	-0.3	2.5	
			J						J		
25.6	-56.4	합성 후	I	-2.4		-20.2	276.7	합성 후	I	0.1	
25.6	63.4	-20.2	2349.7	0.8	-2.4	-20.2	276.7	-153.5	1024.3	26.4	0.1
			J						J		
25.6	63.4	-20.2	2329.5	-3.8		-20.2	344.7	-153.5	-0.1	10.9	
			J						J		
179	2	50	활하중 Max	I	0.0	375	2	1	활하중 Max	I	0.0
0.0	208.4	237.9	4113.7	0.0	0.0	0.0	91.3	792.5	10.5	0.0	0.0
0.0	328.1	237.9	3976.1	0.0	0.0	0.0	180.7	588.2	1286.7	0.0	0.0
0.0	-314.1	-394.0	Min	I	0.0	0.0	-440.9	-277.7	Min	I	0.0
0.0	-188.9	-394.0	-943.3	0.0	0.0	0.0	-309.7	-636.7	-99.0	0.0	0.0
			J						J		
0.0	-188.9	-394.0	-654.9	0.0		0.0	-309.7	-636.7	-389.8	0.0	
			J						J		
0.0	27.4	지점침하 Max	I	0.0	0.0	0.0	27.3	지점침하 Max	I	0.0	0.0
0.0	27.4	15.8	527.6	0.0	0.0	0.0	27.3	18.9	0.2	0.0	0.0
0.0	-27.4	15.8	362.7	0.0	0.0	0.0	-27.3	18.9	112.5	0.0	0.0
0.0	-27.4	-15.8	Min	I	0.0	0.0	-27.3	-18.9	Min	I	0.0
0.0	-27.4	-15.8	-527.6	0.0	0.0	0.0	-27.3	-18.9	-0.2	0.0	0.0
			J						J		
0.0	-27.4	-15.8	-362.7	0.0		0.0	-27.3	-18.9	-112.5	0.0	
			J						J		
-6.0	-187.8	합성전	I	0.5		5.0	-712.5	합성전	I	0.1	
-6.0	180.7	-50.9	7657.8	0.0	0.5	5.0	-712.5	196.0	-2.8	2.3	0.1
			J						J		
-6.0	180.7	-50.9	7679.2	1.2		5.0	-465.4	196.0	2422.9	5.5	
			J						J		
		합성 후	I	2.3				합성 후	I	0.3	

21.5	-244.7	70.2	-0.9	9.8		-26.8	-66.5	9.9	1514.5	-13.3	
21.5	-159.6	70.2	831.6	23.5	0.3	-26.8	34.9	9.9	1592.0	-3.9	-1.2
377	2	1	활하중 Max	I	0.0						
0.0	147.2	806.4	2361.1		0.0						
0.0	249.5	487.1	2900.0		0.0						
0.0	-348.3	-266.5	Min	I	0.0						
0.0	-216.7	-573.1	-1236.9		0.0						
0.0		지점침하	Max	I	0.0	REACTION FORCES & MOMENTS DEFAULT					
0.0	28.7	17.4	248.4		0.0	PRINTOUT Unit System :					
0.0	28.7	17.4	384.6		0.0						
0.0	-28.7	-17.4	-248.4		0.0						
0.0	-28.7	-17.4	-384.6		0.0						
6.2	-192.1	합성전	Max	I	0.3						
6.2	92.2	25.6	4025.4		0.3						
26.5	-68.6	합성후	Min	I	1.4						
26.5	29.3	11.8	1388.3		1.4						
380	2	1	활하중 Max	I	0.0						
0.0	110.7	573.0	7.5		0.0						
0.0	155.7	546.8	2023.9		0.0						
0.0	-588.9	-163.7	Min	I	0.0						
0.0	-473.1	-165.9	-100.6		0.0						
0.0		지점침하	Max	I	0.0						
0.0	30.5	18.8	0.3		0.0						
0.0	30.5	18.8	130.1		0.0						
0.0	-30.5	-18.8	Min	I	0.0						
0.0	-30.5	-18.8	-0.3		0.0						
0.0		합성전	Max	I	-0.0						
-5.1	-764.6	197.3	-3.0		-0.0						
-5.1	-508.6	197.3	2712.3		-5.7						
-21.8	-262.9	합성후	Min	I	-0.0						
-21.8	-174.8	70.5	-1.0		-0.0						
382	2	1	활하중 Max	I	0.0						
0.0	174.2	455.7	3292.5		0.0						
0.0	257.2	455.7	3808.9		0.0						
0.0	-361.4	-180.4	Min	I	0.0						
0.0	-256.9	-181.7	-898.5		0.0						
0.0		지점침하	Max	I	0.0						
0.0	29.0	16.7	274.2		0.0						
0.0	29.0	16.7	416.5		0.0						
0.0	-29.0	-16.7	Min	I	0.0						
0.0	-29.0	-16.7	-274.2		0.0						
0.0		합성전	Max	I	-0.3						
-6.2	-186.1	20.0	4389.7		-3.1						
-6.2	108.6	20.0	-898.5		-0.3						
		합성후	Min	I	-1.2						

1441.4	0.0	0.0	0.0		2985.0	0.0	0.0	0.0	
-126.8	Min	0.0	0.0	0.0	987.3	합성 후	0.0	0.0	0.0
36.3	지점 침하	Max	0.0	0.0	1058	활하중	Max	0.0	0.0
	0.0	0.0	0.0	0.0	264.7	0.0	0.0	0.0	0.0
-36.3	Min	0.0	0.0	0.0		Min	0.0	0.0	0.0
3250.6	합성 전	0.0	0.0	0.0	-115.5	0.0	0.0	0.0	0.0
1019.3	합성 후	0.0	0.0	0.0					
					17.0	지점 침하	Max	0.0	0.0
						0.0	0.0	0.0	0.0
847	활하중	Max	0.0	0.0	-17.0	0.0	0.0	0.0	0.0
653.7	0.0	0.0	0.0	0.0		합성 전	0.0	0.0	-0.0
-161.8	Min	0.0	0.0	0.0	746.4	0.0	0.0	0.0	-0.1
					250.0	합성 후	0.0	0.0	0.0
201.2	지점 침하	Max	0.0	0.0	1064	활하중	Max	0.0	0.0
	0.0	0.0	0.0	0.0	777.0	0.0	0.0	0.0	0.0
-201.2	Min	0.0	0.0	0.0		Min	0.0	0.0	0.0
3377.4	합성 전	0.0	0.0	0.0	-90.4	0.0	0.0	0.0	0.0
1060.9	합성 후	0.0	0.0	0.0					
					37.2	지점 침하	Max	0.0	0.0
						0.0	0.0	0.0	0.0
920	활하중	Max	0.0	0.0	-37.2	0.0	0.0	0.0	0.0
528.4	0.0	0.0	0.0	0.0		합성 전	0.0	0.0	0.0
-238.5	Min	0.0	0.0	0.0	1235.4	0.0	0.0	0.0	0.0
					413.4	합성 후	0.0	0.0	0.0
196.6	지점 침하	Max	0.0	0.0					
	0.0	0.0	0.0	0.0	SUMMATION	OF	REACTION	FORCES	
-196.6	Min	0.0	0.0	0.0					
2026.8	합성 전	0.0	0.0	7.3					
686.4	합성 후	0.0	0.0	31.4					
					SUM-FZ	LC	SUM-FX	SUM-FY	
922	활하중	Max	0.0	0.0					
1237.4	0.0	0.0	0.0	0.0					
-241.1	Min	0.0	0.0	0.0	27281.8	합성 전	0.0	0.0	0.0
60.2	지점 침하	Max	0.0	0.0	8871.1	합성 후	0.0	0.0	0.0
	0.0	0.0	0.0	0.0					
-60.2	Min	0.0	0.0	0.0					
2018.6	합성 전	0.0	0.0	-7.3					
684.4	합성 후	0.0	0.0	-31.4					
1004	활하중	Max	0.0	0.0					
572.0	0.0	0.0	0.0	0.0					
-91.8	Min	0.0	0.0	0.0					
164.0	지점 침하	Max	0.0	0.0					
	0.0	0.0	0.0	0.0					
-164.0	Min	0.0	0.0	0.0					
2934.8	합성 전	0.0	0.0	0.0					
970.6	합성 후	0.0	0.0	0.0					
1006	활하중	Max	0.0	0.0					
1348.2	0.0	0.0	0.0	0.0					
-70.6	Min	0.0	0.0	0.0					
38.3	지점 침하	Max	0.0	0.0					
	0.0	0.0	0.0	0.0					
-38.3	Min	0.0	0.0	0.0					
	합성 전			0.0					