

■ 청도천2교 부산방향(P2) 하부 output

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	ANAL TYPE STATIC LOAD CASE
D	User Defined Load (USER)	Static
L	User Defined Load (USER)	Static
W-TR	User Defined Load (USER)	Static
WL	User Defined Load (USER)	Static
W-LO	User Defined Load (USER)	Static

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

ELEM SHEAR-y MOMENT-z	MAT	SEC SHEAR-z	LC TORSION	PT	AXIAL MOMENT-y
1	1	1	D	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	175.2	0.0	-157.7	0.0	0.0
0.0	0.0	0.0	L	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	W-TR	I	-20.2
0.0	0.0	0.0	0.0	0.0	-20.2
0.0	0.0	0.0	WL	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	W-LO	I	0.0
-14.6	0.0	0.0	0.0	13.1	0.0
2	1	2	D	I	0.0
0.0	175.2	0.0	-157.7	0.0	0.0
0.0	204.6	0.0	-195.7	0.0	0.0
0.0	0.0	0.0	L	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0

0.0	0.0	0.0	W-TR	I	-20.2
0.0	0.0	0.0	0.0	J	-20.2
0.0	0.0	0.0	WL	I	0.0
0.0	0.0	0.0	0.0	J	0.0
0.0	0.0	0.0	0.0	J	0.0
0.0	0.0	0.0	W-LO	I	0.0
-14.6	0.0	0.0	0.0	J	13.1
-21.8	0.0	0.0	0.0	J	16.8
3	1	2	D	I	0.0
0.0	4561.0	0.0	-195.7	J	0.0
0.0	4715.5	0.0	-5065.8	J	0.0
0.0	637.3	0.0	L	I	0.0
0.0	637.3	0.0	0.0	J	0.0
0.0	0.0	0.0	W-TR	I	-226.8
0.0	0.0	0.0	653.1	J	0.0
0.0	0.0	0.0	653.1	J	-226.8
0.0	0.0	0.0	WL	I	-25.0
0.0	0.0	0.0	139.4	J	0.0
0.0	0.0	0.0	139.4	J	-25.0
-21.8	0.0	0.0	0.0	J	16.8
-59.6	0.0	0.0	0.0	J	59.5
4	1	2	D	I	55.0
0.0	-404.5	0.0	-3996.4	J	0.0
0.0	-220.6	0.0	-3605.6	J	55.0
0.0	27.8	0.0	L	I	9.0
0.0	27.8	0.0	-514.4	J	9.0
0.0	27.8	0.0	-549.1	J	0.0
0.0	1437.8	0.0	W-TR	I	-22.2
0.0	1437.8	0.0	3895.3	J	-22.2
0.0	173.3	0.0	2098.0	J	0.0
0.0	173.3	0.0	WL	I	-0.0
0.0	173.3	0.0	476.5	J	0.0
0.0	173.3	0.0	259.9	J	-0.0
99.0	0.0	0.0	W-LO	I	0.0
54.0	0.0	0.0	0.0	J	61.0
0.0	0.0	0.0	0.0	J	0.0
5	1	2	D	I	55.0
0.0	-220.6	0.0	-3605.6	J	0.0
0.0	220.6	0.0	-3605.6	J	55.0
0.0	27.8	0.0	L	I	9.0
0.0	27.8	0.0	-549.1	J	0.0
0.0	27.8	0.0	-632.4	J	9.0
0.0	1437.8	0.0	W-TR	I	-22.2
0.0	1437.8	0.0	2098.0	J	0.0
0.0	1437.8	0.0	-2215.4	J	-22.2
0.0	173.3	0.0	WL	I	-0.0
0.0	173.3	0.0	259.9	J	0.0
0.0	173.3	0.0	-259.9	J	-0.0
54.0	0.0	0.0	W-LO	I	0.0
-54.0	0.0	0.0	0.0	J	-34.6
0.0	0.0	0.0	0.0	J	-34.6
6	1	2	D	I	55.0
0.0	220.6	0.0	-3605.6	J	0.0
0.0	404.5	0.0	-3996.4	J	55.0
0.0	27.8	0.0	L	I	9.0
0.0	27.8	0.0	-632.4	J	9.0
0.0	27.8	0.0	-667.1	J	0.0
0.0	1437.8	0.0	W-TR	I	-22.2
0.0	1437.8	0.0	-2215.4	J	-22.2
0.0	1437.8	0.0	-4012.6	J	0.0
0.0	173.3	0.0	WL	I	-0.0
0.0	173.3	0.0	-259.9	J	0.0

0.0	173.3	0.0	W-TR	I	-20.2
0.0	173.3	0.0	0.0	J	-20.2
-54.0	0.0	0.0	W-LO	I	0.0
-99.0	0.0	0.0	0.0	J	-34.6
0.0	0.0	0.0	0.0	J	61.0
7	1	2	D	I	0.0
0.0	-4715.5	0.0	-5065.8	J	0.0
0.0	-4561.0	0.0	-195.7	J	0.0
0.0	-819.8	0.0	L	I	0.0
0.0	-819.8	0.0	-860.8	J	0.0
0.0	0.0	0.0	W-TR	I	206.7
0.0	0.0	0.0	-653.1	J	0.0
0.0	0.0	0.0	-653.1	J	206.7
0.0	0.0	0.0	WL	I	25.0
0.0	0.0	0.0	-139.4	J	0.0
0.0	0.0	0.0	-139.4	J	25.0
59.6	0.0	0.0	W-LO	I	0.0
21.8	0.0	0.0	0.0	J	59.5
0.0	0.0	0.0	0.0	J	16.8
8	1	2	D	I	0.0
0.0	-204.6	0.0	-195.7	J	0.0
0.0	-175.2	0.0	-157.7	J	0.0
0.0	0.0	0.0	L	I	0.0
0.0	0.0	0.0	0.0	J	0.0
0.0	0.0	0.0	W-TR	I	-0.0
0.0	0.0	0.0	0.0	J	-0.0
0.0	0.0	0.0	WL	I	0.0
0.0	0.0	0.0	0.0	J	0.0
0.0	0.0	0.0	W-LO	I	0.0
21.8	0.0	0.0	0.0	J	16.8
14.6	0.0	0.0	0.0	J	13.1
9	1	1	D	I	0.0
0.0	-175.2	0.0	-157.7	J	0.0
0.0	0.0	0.0	0.0	J	0.0
0.0	0.0	0.0	L	I	0.0
0.0	0.0	0.0	0.0	J	0.0
0.0	0.0	0.0	W-TR	I	0.0
0.0	0.0	0.0	0.0	J	0.0
0.0	0.0	0.0	WL	I	0.0
0.0	0.0	0.0	0.0	J	0.0
0.0	0.0	0.0	W-LO	I	0.0
14.6	0.0	0.0	0.0	J	13.1
0.0	0.0	0.0	0.0	J	0.0
10	1	3	D	I	-5120.0
0.0	-55.0	0.0	-1003.5	J	0.0
0.0	-55.0	0.0	526.3	J	-8468.6
0.0	-9.0	0.0	L	I	-609.6
0.0	-9.0	0.0	-144.0	J	0.0
0.0	-9.0	0.0	105.2	J	-609.6
0.0	-204.6	0.0	W-TR	I	1437.8
0.0	-309.0	0.0	-2996.7	J	0.0
0.0	-309.0	0.0	4148.3	J	1437.8
0.0	-25.0	0.0	WL	I	173.3
0.0	-25.0	0.0	-307.1	J	0.0
0.0	-25.0	0.0	388.5	J	173.3
-158.6	0.0	1.5	W-LO	I	0.0
-262.9	0.0	1.5	0.0	J	190.3
0.0	0.0	0.0	0.0	J	6054.5

11	1	3	D	I	-5120.0
0.0	55.0	0.0	1003.5	0.0	-8468.6
0.0	55.0	0.0	-526.3	0.0	
		L		I	-847.6
0.0	9.0	0.0	183.0	0.0	-847.6
0.0	9.0	0.0	-66.3	0.0	
		W-TR		I	-1437.8
0.0	-228.9	0.0	-3084.9	0.0	-1437.8
0.0	-281.1	0.0	4010.0	0.0	
		WL		I	-173.3
0.0	-25.0	0.0	-307.1	0.0	-173.3
0.0	-25.0	0.0	388.5	0.0	
		W-LO		I	0.0
-158.6	0.0	-1.5	0.0	190.3	0.0
-262.9	0.0	-1.5	0.0	6054.5	
BEAM ELEMENT FORCES & MOMENTS MIN/MAX					
SUMMARY BY PROPERTY PRINTOUT Unit System : kN					
, m					

* LENGTH : the length of between two nodes

[SECTION NAME : 코핑1 , SECTION ID : 1 , SECTION
SHAPE : SB]
[SECTION SIZE] H:1.588 B:2.5
** MAX

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			

1 AXL	D	1	J	0.0
175.2	0.0	-157.7	0.0	1.80
9 SHY	W-LO	1	I	0.0
0.0	0.0	0.0	13.1	1.80
1 SHZ	D	1	J	0.0
175.2	0.0	-157.7	0.0	1.80
9 TOR	D	1	I	0.0
-175.2	0.0	-157.7	0.0	1.80
1 MTY	W-TR	1	I	-20.2
0.0	0.0	0.0	0.0	1.80
1 MTZ	W-LO	1	J	0.0
0.0	0.0	0.0	13.1	1.80

** MIN

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			

1 AXL	W-TR	1	I	-20.2
0.0	0.0	0.0	0.0	1.80
1 SHY	W-LO	1	J	0.0
0.0	0.0	0.0	13.1	1.80
9 SHZ	D	1	I	0.0
-175.2	0.0	-157.7	0.0	1.80
9 TOR	D	1	I	0.0
-175.2	0.0	-157.7	0.0	1.80
1 MTY	D	1	J	0.0
175.2	0.0	-157.7	0.0	1.80
1 MTZ	W-TR	1	I	-20.2
0.0	0.0	0.0	0.0	1.80

[SECTION NAME : 코핑2 , SECTION ID : 2 , SECTION
SHAPE : SB]
[SECTION SIZE] H:2.4 B:2.5
** MAX

ELEM	COM	LC	PT	AXIAL
SHEAR-y		SHEAR-z	TORSION	MOMENT-y
MOMENT-z	LENGTH			

7 AXL	W-TR	1	J	206.7
0.0	0.0	-653.1	0.0	1.05

4 SHY	W-LO	1	I	0.0	99.0
0.0	0.0	0.0	61.0	1.25	
3 SHZ	D	1	J	0.0	0.0
4715.5	0.0	-5065.8	0.0	1.05	
7 TOR	D	1	I	0.0	0.0
-4715.5	0.0	-5065.8	0.0	1.05	
4 MTY	W-TR	1	I	-22.2	0.0
1437.8	0.0	3895.3	0.0	1.25	
4 MTZ	W-LO	1	I	0.0	99.0
0.0	0.0	0.0	61.0	1.25	

** MIN

ELEM	COM	LC	PT	AXIAL	
SHEAR-y		SHEAR-z	TORSION	MOMENT-y	
MOMENT-z	LENGTH				

3 AXL	W-TR	1	I	-226.8	0.0
0.0	0.0	653.1	0.0	1.05	
6 SHY	W-LO	1	J	0.0	-99.0
0.0	0.0	0.0	61.0	1.25	
7 SHZ	D	1	I	0.0	0.0
-4715.5	0.0	-5065.8	0.0	1.05	
7 TOR	D	1	I	0.0	0.0
-4715.5	0.0	-5065.8	0.0	1.05	
3 MTY	D	1	J	0.0	0.0
4715.5	0.0	-5065.8	0.0	1.05	
4 MTZ	W-LO	1	J	0.0	54.0
0.0	0.0	0.0	-34.6	1.25	

[SECTION NAME : 기둥 , SECTION ID : 3 , SECTION
SHAPE : SR]
[SECTION SIZE] D:2.5
** MAX

ELEM	COM	LC	PT	AXIAL	
SHEAR-y		SHEAR-z	TORSION	MOMENT-y	
MOMENT-z	LENGTH				

10 AXL	W-TR	1	J	1437.8	0.0
-309.0	0.0	4148.3	0.0	27.83	
10 SHY	D	1	I	-5120.0	0.0
-55.0	0.0	-1003.5	0.0	27.83	
11 SHZ	D	1	I	-5120.0	0.0
55.0	0.0	1003.5	0.0	27.83	
10 TOR	W-LO	1	J	0.0	-262.9
0.0	1.5	0.0	6054.5	27.83	
10 MTY	W-TR	1	J	1437.8	0.0
-309.0	0.0	4148.3	0.0	27.83	
10 MTZ	W-LO	1	J	0.0	-262.9
0.0	1.5	0.0	6054.5	27.83	

** MIN

ELEM	COM	LC		PT		AXIAL
SHEAR-y		SHEAR-z		TORSION		MOMENT-y
MOMENT-z		LENGTH				

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10 AXL		D	1	J	-8468.6	0.0
-55.0	0.0	526.3		0.0	27.83	
11 SHY		W-LO	1	J	0.0	-262.9
0.0	-1.5	0.0		6054.5	27.83	
10 SHZ		W-TR	1	J	1437.8	0.0
-309.0	0.0	4148.3		0.0	27.83	
11 TOR		W-LO	1	J	0.0	-262.9
0.0	-1.5	0.0		6054.5	27.83	
11 MTY		W-TR	1	I	-1437.8	0.0
-228.9	0.0	-3084.9		0.0	27.83	
11 MTZ		D	1	J	-8468.6	0.0
55.0	0.0	-526.3		0.0	27.83	

BEAM ELEMENT STRESSES DEFAULT PRINTOUT
Unit System : kN , m

ELEM	MAT	SEC	LC	PT	AXIAL
SHEAR-y				(+y)-BENDING-(-y)	
(+z)-BENDING-(-z)					

1	1	1	D	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
			J	0.0	
66.2	0.0	0.0	150.1	-150.1	
		L	I	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
		J	0.0		
0.0	0.0	0.0	0.0	0.0	

			W-TR	I	-5.1
0.0	0.0	0.0	0.0	0.0	0.0
			J	-5.1	
0.0	0.0	0.0	0.0	0.0	0.0
			WL	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
			J	0.0	
0.0	0.0	0.0	0.0	0.0	0.0
			W-LO	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
			J	0.0	
0.0	-7.9	7.9	0.0	0.0	-5.5
			J	0.0	
2	1	2	D	I	0.0
0.0	43.8	0.0	0.0	65.7	-65.7
			J	0.0	
51.2	0.0	0.0	81.5	-81.5	
			L	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
			J	0.0	
0.0	0.0	0.0	0.0	0.0	0.0
			W-TR	I	-3.4
0.0	0.0	0.0	0.0	0.0	0.0
			J	-3.4	
0.0	0.0	0.0	0.0	0.0	0.0
			WL	I	0.0
0.0	0.0	0.0	0.0	0.0	0.0
			J	0.0	
0.0	0.0	0.0	0.0	0.0	0.0
			W-LO	I	0.0
-3.6	0.0	-5.2	5.2	0.0	0.0
			J	0.0	
0.0	-6.7	6.7	0.0	0.0	-5.4
			J	0.0	
3	1	2	D	I	0.0
0.0	1140.3	0.0	0.0	81.5	-81.5
			J	0.0	
1178.9	0.0	0.0	2110.8	-2110.8	
			L	I	0.0
159.3	0.0	0.0	0.0	0.0	0.0
			J	0.0	
159.3	0.0	0.0	278.8	-278.8	
			W-TR	I	-37.8
0.0	0.0	0.0	0.0	-272.1	272.1
			J	-37.8	
0.0	0.0	0.0	-272.1	272.1	0.0
			WL	I	-4.2
0.0	0.0	0.0	0.0	-58.1	58.1
			J	-4.2	
0.0	0.0	0.0	-58.1	58.1	0.0
			W-LO	I	0.0
-5.4	0.0	-6.7	6.7	0.0	0.0
			J	0.0	
0.0	-23.8	23.8	0.0	0.0	-14.9
			J	0.0	
4	1	2	D	I	9.2
0.0	-101.1	0.0	0.0	1665.2	-1665.2
			J	9.2	
-55.2	0.0	0.0	1502.3	-1502.3	
			L	I	1.5
6.9	0.0	0.0	214.3	-214.3	0.0
			J	1.5	
6.9	0.0	0.0	228.8	-228.8	
			W-TR	I	-3.7
0.0	359.5	0.0	0.0	-1623.0	1623.0
			J	-3.7	
359.5	0.0	0.0	-874.2	874.2	0.0
			WL	I	0.0
43.3	0.0	0.0	-198.5	198.5	0.0
			J	0.0	
43.3	0.0	0.0	-108.3	108.3	
			W-LO	I	0.0
24.7	0.0	-24.4	24.4	0.0	0.0
			J	0.0	
0.0	13.8	-13.8	0.0	0.0	13.5
			D	I	9.2
5	1	2	0.0	1502.3	-1502.3
0.0	-55.2	0.0	0.0	9.2	0.0
			J	9.2	
55.2	0.0	0.0	1502.3	-1502.3	
			L	I	1.5
6.9	0.0	0.0	228.8	-228.8	0.0
			J	1.5	
6.9	0.0	0.0	263.5	-263.5	
			W-TR	I	-3.7
0.0	359.5	0.0	0.0	-874.2	874.2
			J	-3.7	
359.5	0.0	0.0	923.1	-923.1	0.0
			WL	I	0.0
43.3	0.0	0.0	-108.3	108.3	0.0

