

PROJECT TITLE : 노산천안 1동시설물 경일안전진단 용역										
Company		(주)동우기술단			Client					
Author		부설연구소			File Name		노산천교.anl			
		J	-33693.9	-0.0	-9.9	-0.0	920.6	-3.6		
	PS(2nd~1	I	-26022.8	0.5	-166.4	-3.0	27688.5	271.3		
		J	-25871.0	-3.6	-252.8	-37.0	27726.3	259.2		
	Global~1	I	-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		
	Global~2	I	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		
	Temp G-1	I	-0.0	-0.0	-1.4	-0.0	203.2	-0.0		
		J	-0.0	-0.0	-1.4	-0.0	204.2	-0.0		
	Temp G-2	I	0.0	0.0	1.4	0.0	-203.2	0.0		
		J	0.0	0.0	1.4	0.0	-204.2	0.0		
123	5	1	MV(만~1 Max	I	0.0	1.0	655.6	1507.6	10852.1	18.2
				J	0.0	1.0	668.2	1507.6	10841.7	18.2
		Min	I	-0.0	-1.0	-627.2	-1507.6	-5051.9	-15.9	
			J	-0.0	-1.0	-614.5	-1507.6	-5076.0	-18.2	
		MV(편~1 Max	I	0.0	1.0	655.6	1490.6	10852.1	22.0	
			J	0.0	1.0	668.2	1494.9	10841.7	22.0	
		Min	I	-0.0	-1.0	-627.2	-1524.5	-5051.9	-15.9	
			J	-0.0	-1.0	-614.5	-1520.3	-5076.0	-15.9	
		SELFWE~1	I	-0.0	0.0	0.0	0.0	15803.5	-0.0	
			J	-0.0	0.0	0.0	0.0	15716.5	-0.0	
		2ndDL	I	-0.0	-0.1	39.9	-4.9	3505.3	6.5	
			J	-0.0	-0.1	56.3	4.9	3486.0	6.5	
		PS(1st~1	I	-33905.8	-0.0	-9.9	-0.0	162.6	4.1	
			J	-33816.4	-0.0	-9.9	-0.0	171.5	4.1	
		PS(2nd~1	I	-26279.5	3.5	-166.6	22.0	-27456.3	-310.0	
			J	-26191.2	10.3	-96.3	77.9	-27280.2	-325.7	
		Global~1	I	0.0	-0.0	-0.0	0.0	0.2	0.0	
			J	0.0	-0.0	-0.0	0.0	0.2	0.0	
		Global~2	I	-0.0	0.0	0.0	-0.0	-0.2	-0.0	
			J	-0.0	0.0	0.0	-0.0	-0.2	-0.0	
		Temp G-1	I	0.0	-0.0	-1.4	-0.0	237.7	0.0	
			J	0.0	-0.0	-1.4	-0.0	238.2	0.0	
		Temp G-2	I	-0.0	0.0	1.4	0.0	-237.7	-0.0	
			J	-0.0	0.0	1.4	0.0	-238.2	-0.0	
130	5	4	MV(만~1 Max	I	0.0	0.6	41.2	1962.3	1732.8	25.9
			J	0.0	0.6	41.3	1922.8	1717.0	25.5	
		Min	I	-0.0	-0.6	-1707.7	-1962.1	-14614.2	-25.9	
			J	-0.0	-0.6	-1674.1	-1922.7	-12183.1	-25.5	
		MV(편~1 Max	I	0.0	0.7	41.2	1677.4	1732.8	29.8	
			J	0.0	0.7	41.3	1646.6	1717.0	29.4	
		Min	I	-0.0	-0.5	-1707.7	-2531.6	-14614.2	-22.9	
			J	-0.0	-0.5	-1674.1	-2467.9	-12183.1	-22.6	
		SELFWE~1	I	-0.2	-0.0	-5535.8	0.7	-47492.5	-0.0	
			J	-0.2	-0.0	-5391.7	0.7	-43394.7	-0.0	
Modeling, Integrated Design & Analysis Software										
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PROJECT TITLE : 노산천안 1동시설물 경일안전진단 용역									
MIDAS	Company		(주)동우기술단				Client		
	Author		부설연구소				File Name		노산천교.anl
		2ndDL	I	-0.0	0.2	-1217.4	-597.9	-10505.7	7.8
			J	-0.0	0.2	-1186.7	-579.6	-9604.2	7.7
		PS(1st~1	I	-33861.1	0.1	45.7	-0.0	1401.2	-3.0
			J	-33693.9	0.1	45.7	-0.0	1370.4	-3.1
		PS(2nd~1	I	-26009.9	-10.5	251.0	-129.1	35158.0	222.7
			J	-25864.9	-13.0	191.0	-149.4	34678.0	221.7
		Global~1	I	0.0	0.0	0.0	-0.0	0.4	0.0
			J	0.0	0.0	0.0	-0.0	0.4	0.0
		Global~2	I	-0.0	-0.0	-0.0	0.0	-0.4	-0.0
			J	-0.0	-0.0	-0.0	0.0	-0.4	-0.0
		Temp G~1	I	0.0	0.0	5.6	-0.0	272.7	0.0
			J	0.0	0.0	5.6	-0.0	268.5	0.0
		Temp G~2	I	-0.0	-0.0	-5.6	0.0	-272.7	-0.0
			J	-0.0	-0.0	-5.6	0.0	-268.5	-0.0
Modeling, Integrated Design & Analysis Software									
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PROJECT TITLE : 노산천안 1동시설물 경일안전진단 용역

Company		(주)동우기술단		Client			
Author		부설연구소		File Name		노산천교.anl	

BEAM ELEMENT FORCES & MOMENTS MIN/MAX SUMMARY BY PROPERTY PRINTOUT

Unit System : kN , m

* LENGTH : the length of between two nodes

[SECTION NAME : 표준단면 , SECTION ID : 1]

** MAX

ELEM	COM	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION	MOMENT-y	MOMENT-z	LENGTH	
20	AXL	SELFWE~1	1	I	0.7	-0.0	-197.6	-0.3	15560.4	0.0	10.80
6	SHY	PS(2nd~1	1	J	-28036.7	12.9	-280.7	76.2	-32816.5	-167.4	0.40
20	SHZ	SELFWE~1	1	J	0.7	-0.0	1796.3	-0.3	6927.3	0.0	10.80
20	TOR	MV(편~1	1	J	0.6	1.1	1021.9	1609.3	8039.7	23.2	10.80
6	MTY	SELFWE~1	1	I	-0.0	-0.0	889.7	0.1	33001.3	0.0	0.40
20	MTZ	PS(2nd~1	1	J	-22513.1	-19.5	-3196.9	-221.9	-5602.8	44.3	10.80

** MIN

ELEM	COM	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION	MOMENT-y	MOMENT-z	LENGTH	
6	AXL	PS(1st~1	1	I	-35243.7	-0.1	-45.9	0.0	-778.6	2.7	0.40
20	SHY	PS(2nd~1	1	J	-22513.1	-19.5	-3196.9	-221.9	-5602.8	44.3	10.80
20	SHZ	PS(2nd~1	1	J	-22513.1	-19.5	-3196.9	-221.9	-5602.8	44.3	10.80
123	TOR	MV(편~1	1	I	-0.0	-1.0	-627.2	-1524.5	-5051.9	-15.9	0.40
6	MTY	PS(2nd~1	1	I	-28174.0	12.6	-283.7	75.7	-33038.9	-161.7	0.40
123	MTZ	PS(2nd~1	1	J	-26191.2	10.3	-96.3	77.9	-27280.2	-325.7	0.40

[SECTION NAME : 교각부단면 , SECTION ID : 4]

** MAX

ELEM	COM	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION	MOMENT-y	MOMENT-z	LENGTH	
117	AXL	MV(만~1	1	I	0.0	1.0	254.9	1988.8	3506.5	25.8	0.75
13	SHY	MV(편~1	1	I	0.0	1.1	191.2	1700.1	1719.1	30.4	0.75
117	SHZ	MV(만~1	1	J	0.0	1.0	255.1	1949.3	3341.8	25.2	0.75
117	TOR	MV(만~1	1	I	0.0	1.0	254.9	1988.8	3506.5	25.8	0.75
13	MTY	PS(2nd~1	1	I	-25233.8	-6.9	133.1	-117.0	36400.4	98.3	0.75
117	MTZ	PS(2nd~1	1	I	-26022.8	0.5	-166.4	-9.0	27688.5	271.3	0.75

** MIN

ELEM	COM	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION	MOMENT-y	MOMENT-z	LENGTH	
117	AXL	PS(1st~1	1	I	-33861.1	-0.0	-9.9	-0.0	909.7	-3.7	0.75
130	SHY	PS(2nd~1	1	J	-25864.9	-13.0	191.0	-149.4	34878.0	221.7	0.75
130	SHZ	SELFWE~1	1	I	-0.2	-0.0	-5535.8	0.7	-47492.5	-0.0	0.75
13	TOR	MV(편~1	1	I	-0.0	-1.0	-1681.2	-2566.0	-14761.8	-23.6	0.75
13	MTY	SELFWE~1	1	I	-0.1	-0.0	-4896.2	0.2	-48166.3	0.0	0.75
13	MTZ	MV(만~1	1	I	-0.0	-1.1	-1681.2	-1988.7	-14761.8	-26.5	0.75

BEAM ELEMENT STRESSES DEFAULT PRINTOUT

Unit System : kN , m

ELEM	MAT	SEC	LC	PT	AXIAL	SHEAR-y	SHEAR-z	(fy)-BENDING-(y)	(tz)-BENDING-(z)
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Modeling, Integrated Design & Analysis Software

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Company		(주)동우기술단						Client		노산천교.anl		
MIDAS	Author	부설연구소						File Name				
20	3	1	MV(만~1 Max	Temp G-1	I	0.0	0.0	0.6	-0.0	0.0	56.1	70.4
				J	0.0	0.0	0.6	-0.0	0.0	56.2	70.2	
				Temp G-2	I	-0.0	-0.0	-0.6	0.0	-0.0	-56.1	-70.4
				J	-0.0	-0.0	-0.6	0.0	-0.0	-56.2	-70.2	
				Min	I	0.1	0.3	277.2	2.0	2.0	638.5	2118.0
				J	0.1	0.3	458.9	2.1	2.1	653.0	1801.6	
				Min	I	-0.0	-0.3	-291.2	-2.0	-2.0	-1354.4	-988.5
				J	-0.0	-0.3	-171.1	-2.1	-2.1	-1010.4	-1035.0	
				MV(편~1 Max	I	0.1	0.3	277.2	1.7	2.4	638.5	2118.0
				J	0.1	0.3	458.9	1.9	2.4	653.0	1801.6	
				Min	I	-0.0	-0.3	-291.2	-2.4	-1.7	-1354.4	-988.5
				J	-0.0	-0.3	-171.1	-2.4	-1.9	-1010.4	-1035.0	
				SELFWE-1	I	0.1	-0.0	-87.3	-0.0	0.0	-1940.0	3033.8
				J	0.1	-0.0	806.6	-0.0	0.0	-870.6	1380.0	
				2ndDL	I	0.0	0.0	-19.3	-0.7	0.7	-430.4	673.1
				J	0.0	0.0	179.0	-0.7	0.7	-193.0	305.9	
				PS(1st~1	I	-4456.6	0.0	4.9	-0.4	0.4	-21.8	34.1
				J	-4150.0	0.0	4.9	0.0	-0.0	15.3	-24.2	
				PS(2nd~1	I	-3453.0	-1.9	67.3	27.4	-27.4	3261.9	-5101.0
				J	-2996.9	-5.2	-1435.5	-4.7	4.7	704.2	-1116.1	
				Global~1	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	0.0
				Global~2	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	0.0
Temp G-1	I	0.0	0.0	0.6	-0.0	0.0	52.5	67.3				
J	0.0	0.0	0.6	0.0	-0.0	54.2	65.3					
Temp G-2	I	-0.0	-0.0	-0.6	0.0	-0.0	-52.5	-67.3				
J	-0.0	-0.0	-0.6	-0.0	0.0	-54.2	-65.3					
117	5	4	MV(만~1 Max	I	0.0	0.2	114.3	2.7	2.7	1677.3	638.4	
				J	0.0	0.2	114.3	2.6	2.6	1395.8	608.4	
				Min	I	-0.0	-0.2	-734.5	-2.7	-2.7	-425.2	-2518.4
				J	-0.0	-0.2	-719.0	-2.6	-2.6	-405.2	-2095.8	
				MV(편~1 Max	I	0.0	0.2	114.3	2.5	2.9	1677.3	638.4
				J	0.0	0.2	114.3	2.4	2.9	1395.8	608.4	
				Min	I	-0.0	-0.2	-734.5	-2.9	-2.5	-425.2	-2518.4
				J	-0.0	-0.2	-719.0	-2.8	-2.4	-405.2	-2095.8	
				SELFWE-1	I	-0.0	0.0	-1991.9	-0.0	0.0	4440.1	-6666.8
				J	-0.0	0.0	-1927.3	-0.0	0.0	4042.4	-6069.8	
				2ndDL	I	-0.0	-0.0	-437.3	-0.5	0.5	982.0	-1474.5
				J	-0.0	-0.0	-423.6	-0.5	0.5	894.6	-1343.3	
				PS(1st~1	I	-4293.6	-0.0	-4.4	0.4	-0.4	-110.3	165.6
				J	-4272.4	-0.0	-4.4	0.4	-0.4	-111.6	167.6	
				PS(2nd~1	I	-3299.7	0.1	-74.6	-28.3	28.3	-3357.2	5040.9
				J	-3280.4	-0.8	-113.3	-27.0	27.0	-3362.0	5048.1	
				Global~1	I	-0.0	-0.0	-0.0	0.0	-0.0	-0.0	0.0

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	Author		부설연구소					File Name	노산현교.anl		
	PS(2nd~1	I	-3298.1	-2.4	112.5	-23.2	23.2	-4262.7	6400.7		
		J	-3279.7	-3.0	85.6	-23.1	23.1	-4228.6	6349.7		
	Global~1	I	0.0	0.0	0.0	-0.0	0.0	-0.0	0.1		
		J	0.0	0.0	0.0	-0.0	0.0	-0.0	0.1		
	Global~2	I	-0.0	-0.0	-0.0	0.0	-0.0	0.0	-0.1		
		J	-0.0	-0.0	-0.0	0.0	-0.0	0.0	-0.1		
	Temp G-1	I	0.0	0.0	2.5	-0.0	0.0	56.2	70.3		
		J	0.0	0.0	2.5	-0.0	0.0	56.7	69.5		
	Temp G-2	I	-0.0	-0.0	-2.5	0.0	-0.0	-56.2	-70.3		
		J	-0.0	-0.0	-2.5	0.0	-0.0	-56.7	-69.5		
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Company		(주)동우기술단					Client																																																																																																																																																																																																																																																																																																																																																																							
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					Global~2	J	-0.0	-0.0	-0.0	0.0	-0.0	-0.0	0.0																																																																																																																																																																																																																																																																																																																																																																	
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					Min	I	-0.0	-0.3	-277.1	-2.3	-1.7	-1353.1	-985.1																																																																																																																																																																																																																																																																																																																																																																	
						J	-0.0	-0.3	-271.5	-2.3	-1.7	-1351.8	-989.8																																																																																																																																																																																																																																																																																																																																																																	
					SELFWE-1	I	-0.0	0.0	79.8	0.0	-0.0	-1970.5	3081.7																																																																																																																																																																																																																																																																																																																																																																	
						J	-0.0	0.0	112.4	0.0	-0.0	-1959.6	3064.7																																																																																																																																																																																																																																																																																																																																																																	
					2ndDL	I	-0.0	-0.0	17.6	-0.7	0.7	-437.1	683.5																																																																																																																																																																																																																																																																																																																																																																	
						J	-0.0	-0.0	24.9	-0.7	0.7	-434.7	679.8																																																																																																																																																																																																																																																																																																																																																																	
PS(1st~1	I	-4468.4	-0.0	-4.4	-0.4	0.4	-20.3	31.7																																																																																																																																																																																																																																																																																																																																																																						
	J	-4456.6	-0.0	-4.4	-0.4	0.4	-21.4	33.4																																																																																																																																																																																																																																																																																																																																																																						
PS(2nd~1	I	-3463.3	0.9	-73.6	32.6	-32.6	3423.4	-5354.0																																																																																																																																																																																																																																																																																																																																																																						
	J	-3451.7	2.7	-42.6	34.3	-34.3	3401.5	-5319.7																																																																																																																																																																																																																																																																																																																																																																						
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Temp G-1	I	0.0	-0.0	-0.6	-0.0	0.0	52.4	67.5																																																																																																																																																																																																																																																																																																																																																																						
	J	0.0	-0.0	-0.6	-0.0	0.0	52.3	67.7																																																																																																																																																																																																																																																																																																																																																																						
Temp G-2	I	-0.0	0.0	0.6	0.0	-0.0	-52.4	-67.5																																																																																																																																																																																																																																																																																																																																																																						
	J	-0.0	0.0	0.6	0.0	-0.0	-52.3	-67.7																																																																																																																																																																																																																																																																																																																																																																						