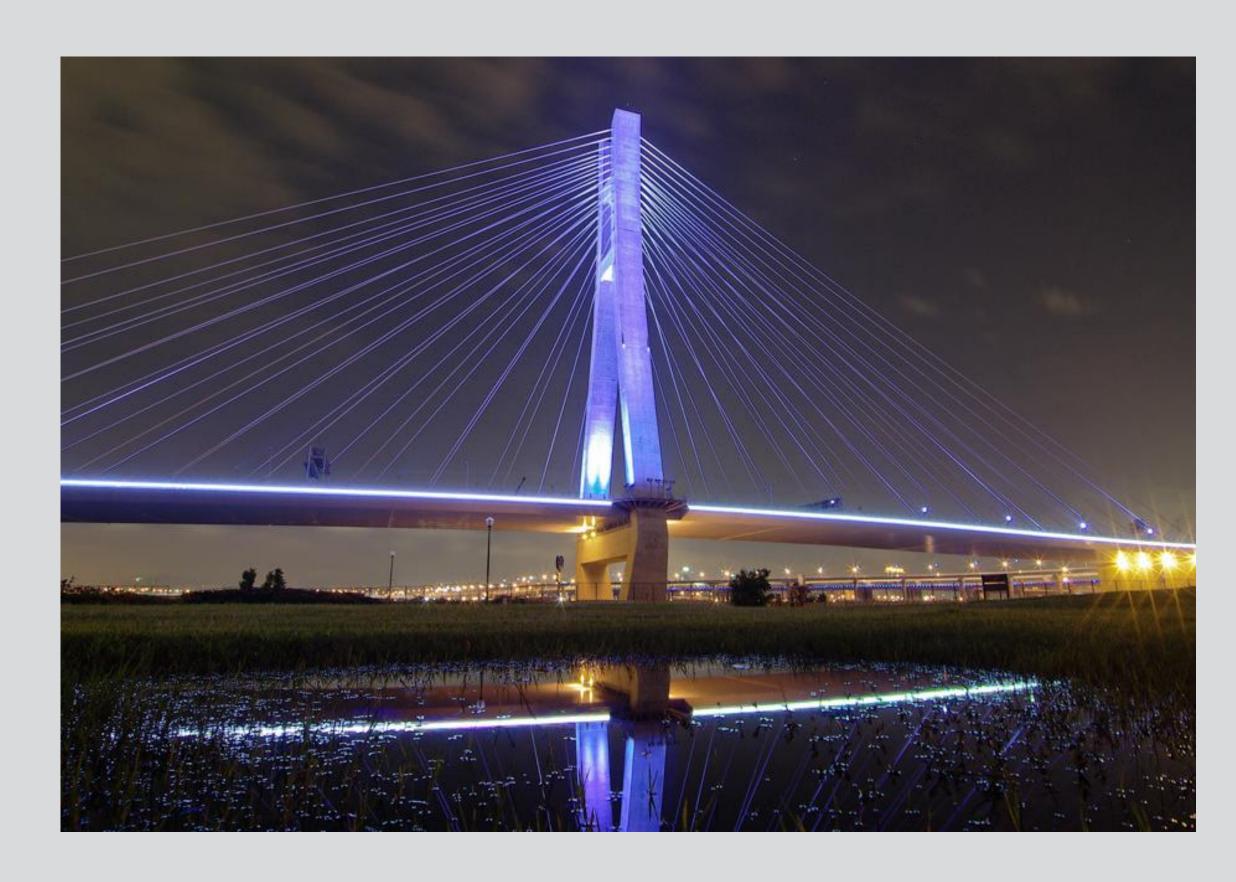
土木工程實作,也有一个人。

組別:第一組

組員: 110612008沈昱翔 110612035劉沛宸 110612041張育瑋 110612066張誌剛 110612106陳良魁 110612158李明翰

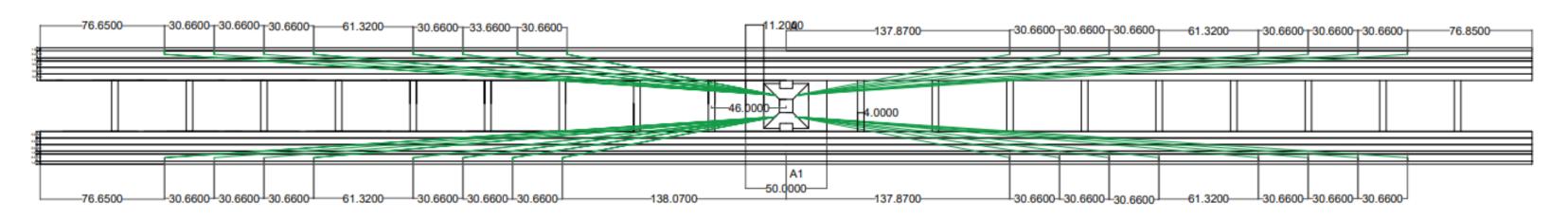




OVERVIEW OF THE BRIDGE

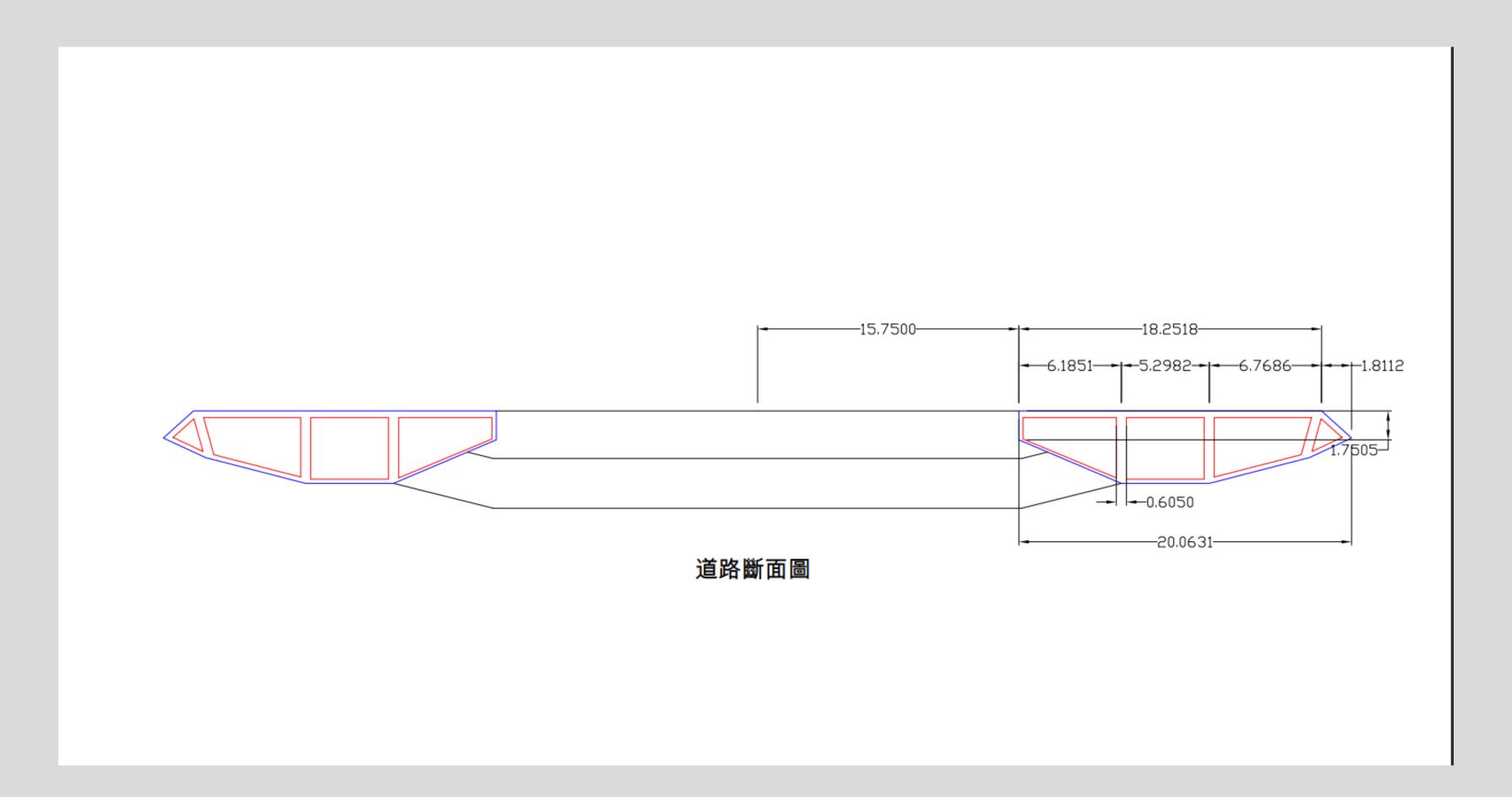
- 總長920公尺,為單一一 座塔支撐
- 塔總高419公尺(本體高 389公尺、基座高25公尺),橋斷面寬20.36公尺
- 來回共有6條車道來應對尖峰時期的車流量並在車道的最外側各設有1條人行道,以提供民眾能在橋上欣賞河川的景色。纜繩方面,總共使用了32條纜繩來支撐道路的重量。

TOP VIEW

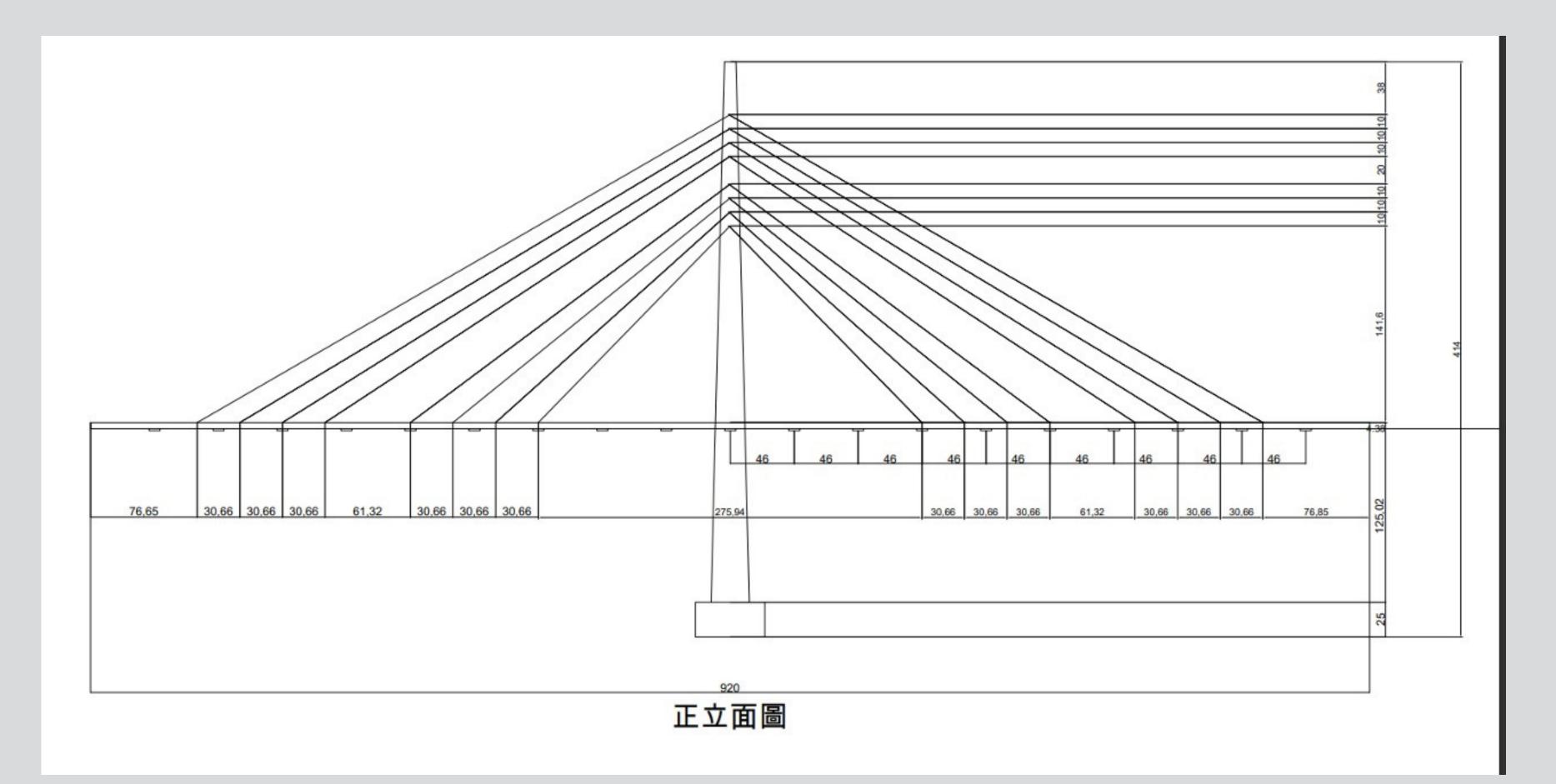


俯視圖

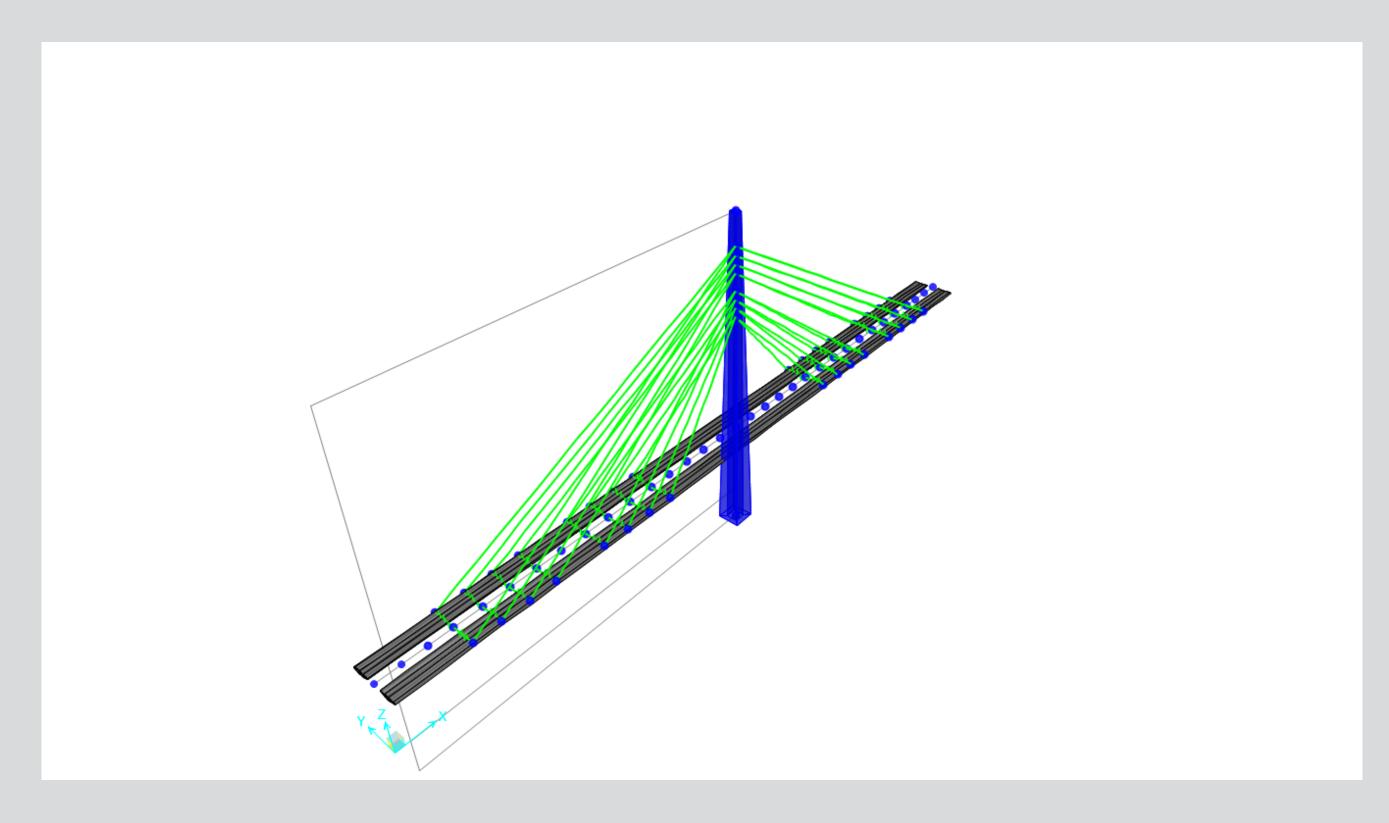
CROSS-SECTION



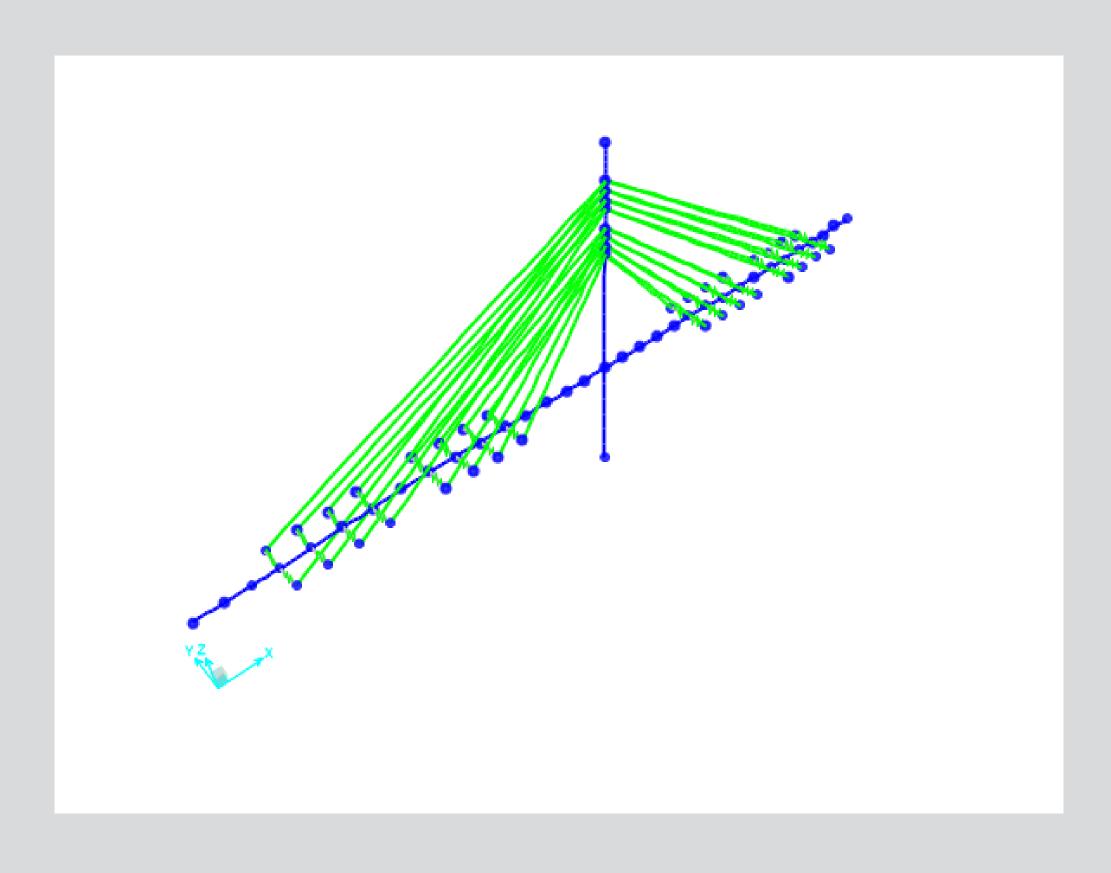
SIDE VIEW



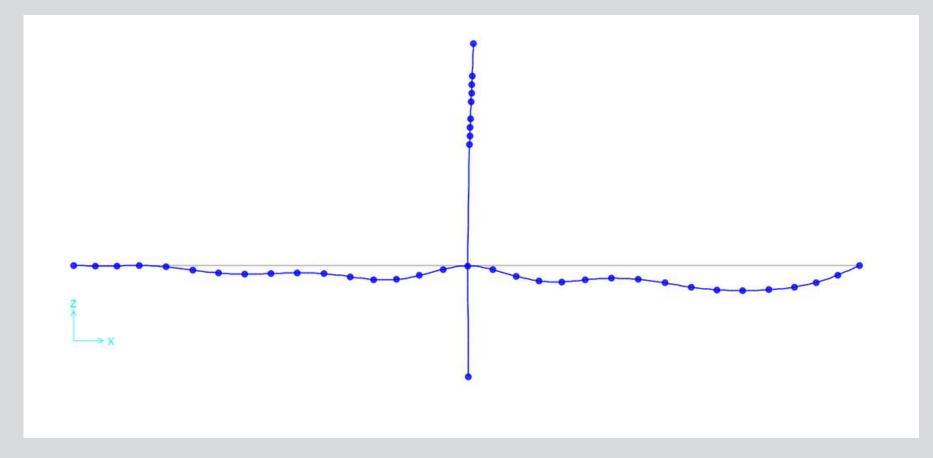
CSI BRIDGE

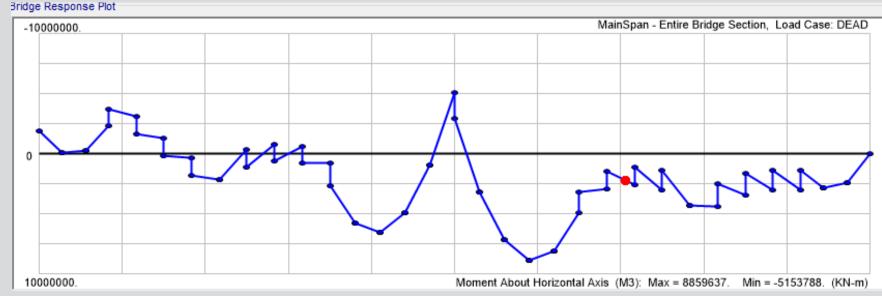


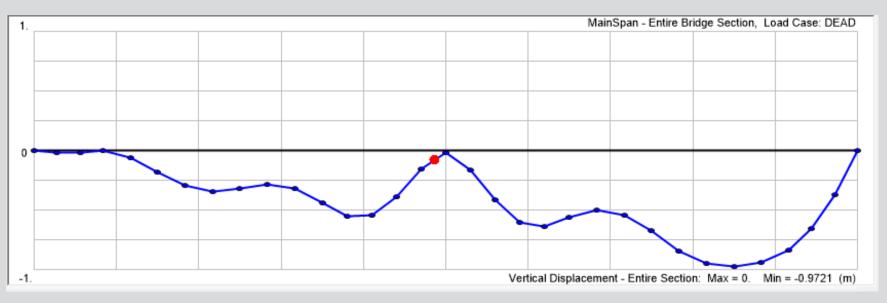
VEHICAL LOAD ANALYSIS



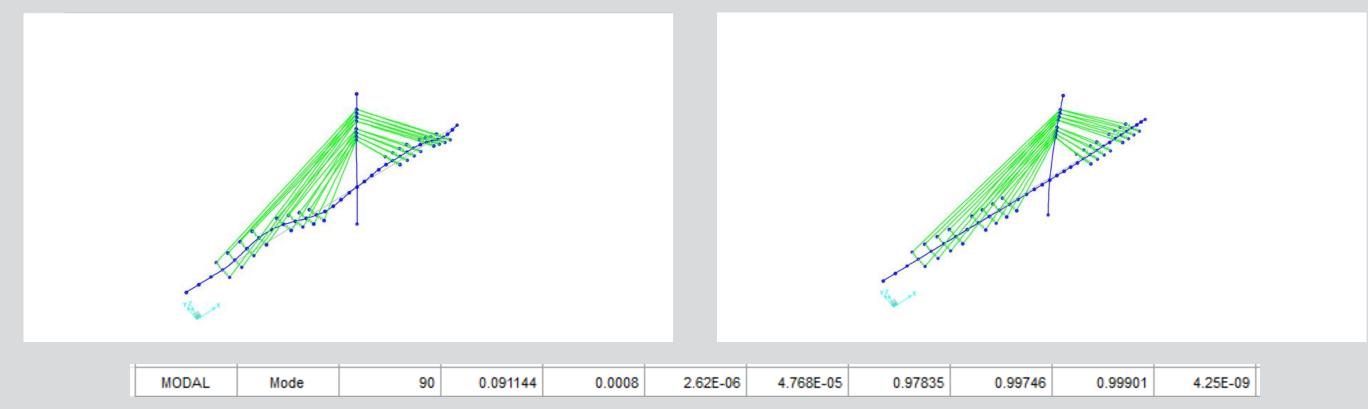
DEADLOAD ANALYSIS

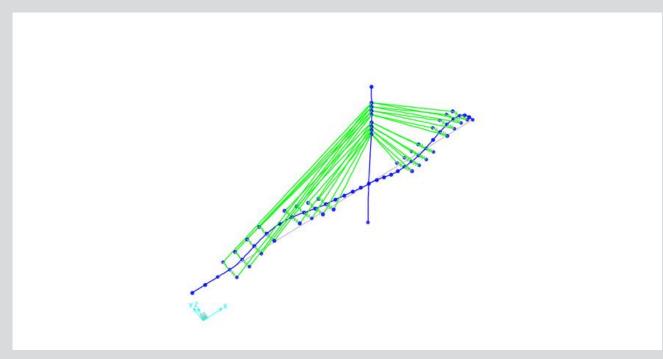


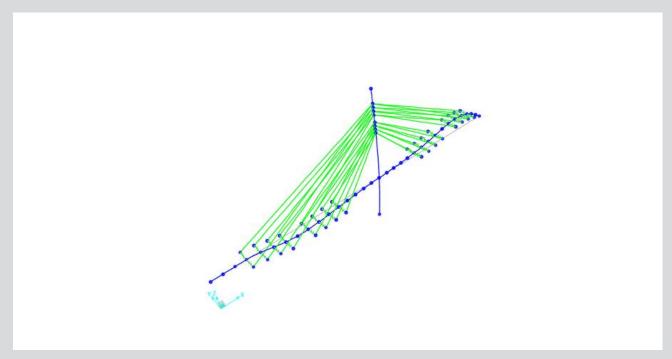




MODAL ANALYSIS

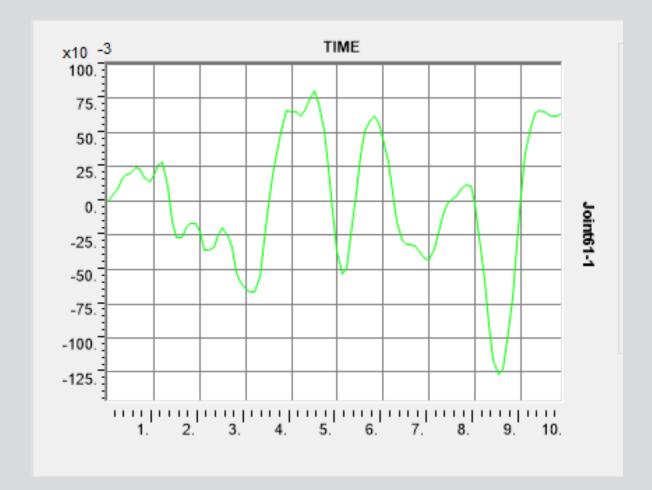


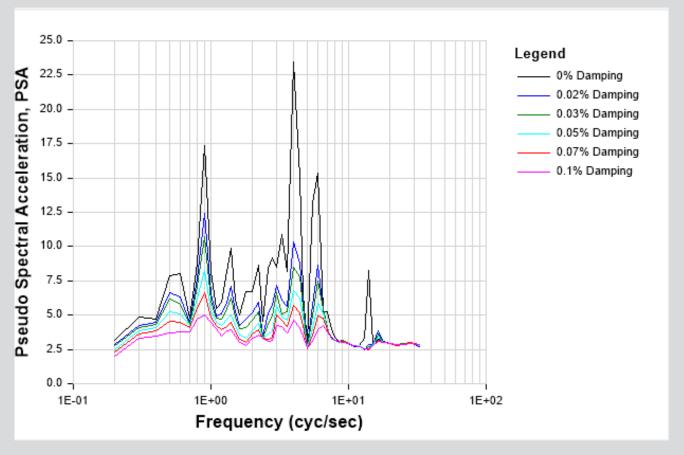




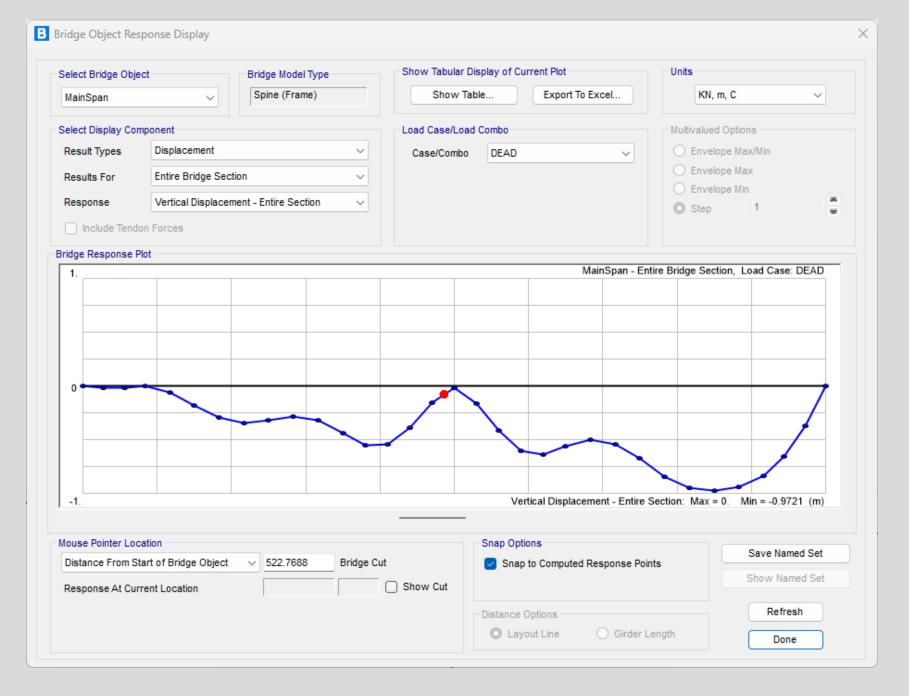
TIME HISTORY ANALYSIS

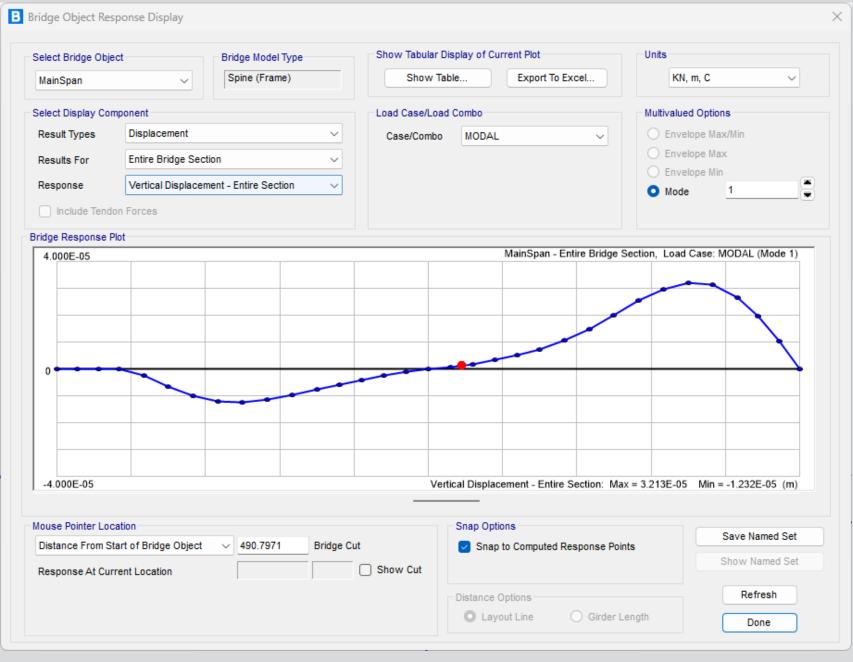
OutputCase	CaseType Text	StepType Text	GlobalFX KN	GlobalFY KN	GlobalFZ KN	GlobalMX KN-m	GlobalMY KN-m	GlobalMZ KN-m	GlobalX m	GlobalY m
Combil	Combination		316750.31	-18490.232	11511792.58	2723696.989	-5308518053	-10498738.6	0	0
ComblA	Combination	Max	3133064942	1326748947	11530000000	96310000000	5196000000	8503000000	0	0
ComblA	Combination	Min	-2893584068	-1376688715	-11880000000	-104100000	-503800000	-824500000	0	0
Combili	Combination	Max	1424120428	603067703	5242982448	43780000000	2362000000	3865000000	0	0
Combili	Combination	Min	-1315265485	-625767598	-5399963353	-473300000	-229000000	-374800000	0	0
E_RS	Combination	Max	3515566.921	8557107.715	3713243.487	1621882010	1795512368	4383106689	0	0
E_RS	Combination	Min	-3515566.9	-8557107.7	-3713243.5	-1621882010	-1795512368	-4383106689	0	0
CombVII_EQrs	Combination	Max	3515566.921	8557107.715	3713243.487	1621882010	1795512368	4383106689	0	0
CombVII_EQrs	Combination	Min	-3515566.9	-8557107.7	-3713243.5	-1621882010	-1795512368	-4383106689	0	0
E_TH	Combination	Max	2001785.702	1987079.831	3524037.539	344594883	2031141592	1066605942	0	0
E_TH	Combination	Min	-1633649.32	-2787504.65	-4408387.1	-360474442	-1607824029	-1442097786	0	0

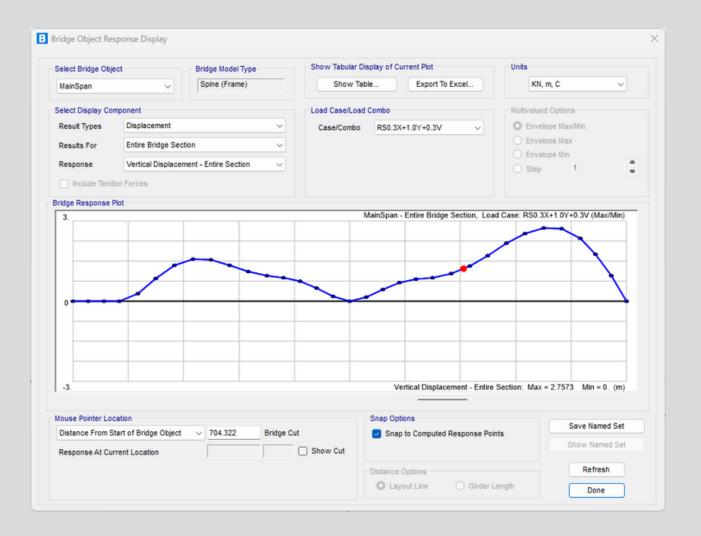




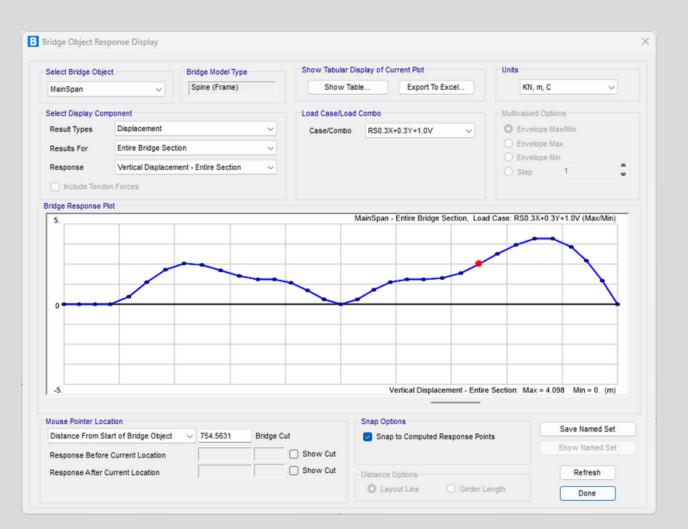
DISPLACEMENT IN EVERY COMBO/BASE

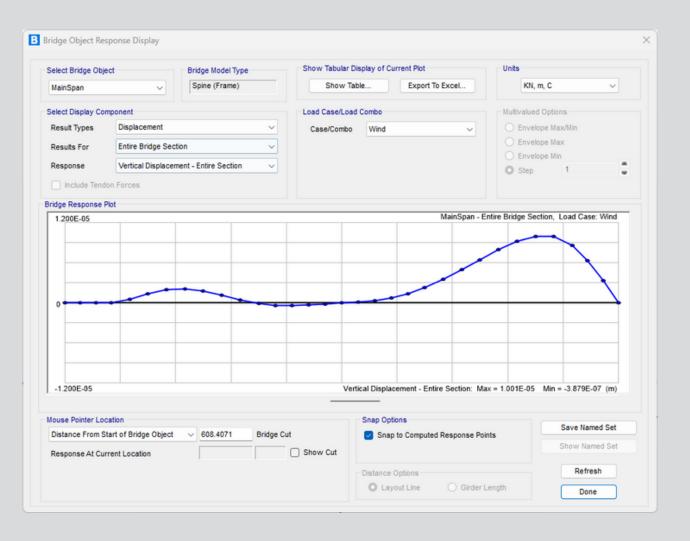


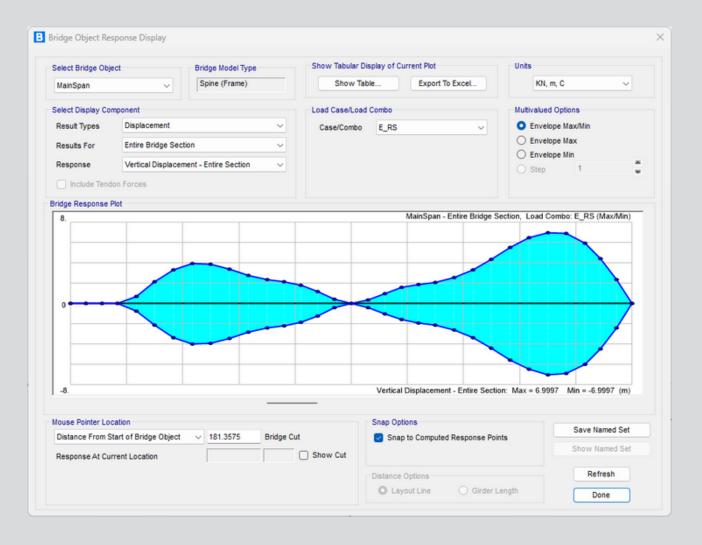


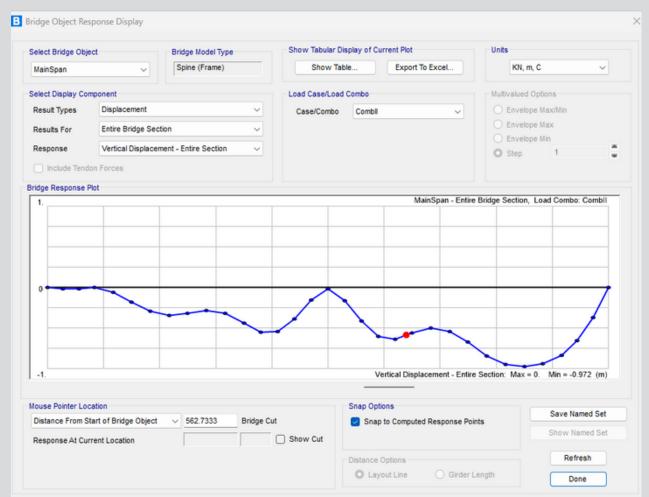


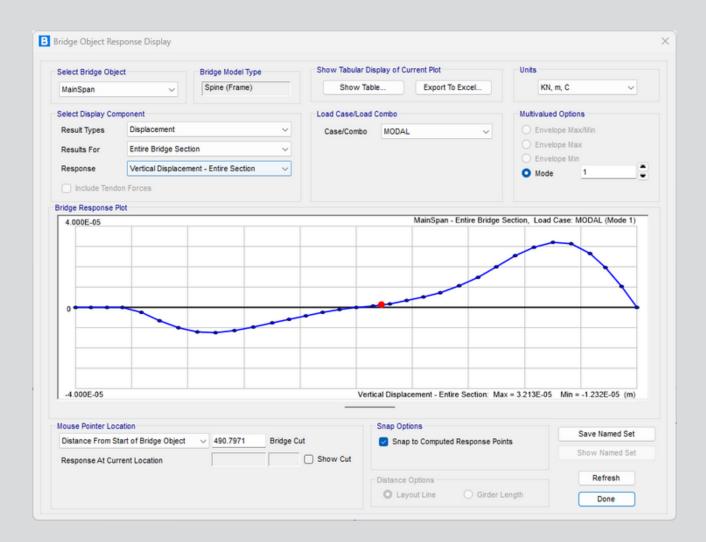
Select Bridge Object Bridge Model Type		Bridge Model Type	Show Tabular Display of Current Plot			Units			
MainSpan	~	Spine (Frame)	Show Ta	ble	Export To Excel		KN, m, C		~
Select Display Co	mponent		Load Case/Load	d Combo		Mult	ivalued Opti	ons	
Result Types Displacement		~	Case/Combo	Case/Combo RS1.0X+0.3Y+0.3V ∨		Envelope Max/Min			
Results For	Entire Bridge Section	on ~					Envelope M		
Response	Vertical Displaceme	ent - Entire Section					Envelope M	lin 1	
Include Tend							Step	1	
include lend	on rorces								
ridge Response	Plot								
8.				MainSpan -	Entire Bridge Section, Lo	ad Case: I	RS1.0X+0.3	Y+0.3V (Ma)	c/Min)
						_		_	
								1	
		_			و			1	
					ومر			1	
		-						1	
		-		مسم				1	
0				مسم					\
0								\	7
0				مسمره					7
0								1	_
0								1	\
0									
-8.				Ve	ertical Displacement - Entir	e Section:	Max = 6.96	997 Min = 0). (m)
				Ve	ertical Displacement - Entir	e Section:	Max = 6.95	997 Min = 0). (m)
-8.	cation			Ve Snap Opti		e Section:	Max = 6.95		
-8.	cation tart of Bridge Object	✓ 522.7688 Bridge	Cut	Snap Opti	ions		Max = 6.95	997 Min = 0	
-8. Touse Pointer Lo. Distance From S	tart of Bridge Object	✓ 522.7688 Bridge		Snap Opti			Max = 6.95		d Set
-8. Touse Pointer Lo. Distance From S		> 522.7688 Bridge	Cut Show Cut	Snap Opti	ions		Max = 6.95	Save Name	d Set
-8. Mouse Pointer Lo Distance From S Response Before	tart of Bridge Object	v 522.7688 Bridge		Snap Opti	ions to Computed Response Po		Max = 6.95	Save Name	ed Set
-8. Mouse Pointer Lo Distance From S Response Before	tart of Bridge Object e Current Location	> 522.7688 Bridge	☐ Show Cut	Snap Opti	ions to Computed Response Po	oints	Max = 6.99	Save Name	ed Set

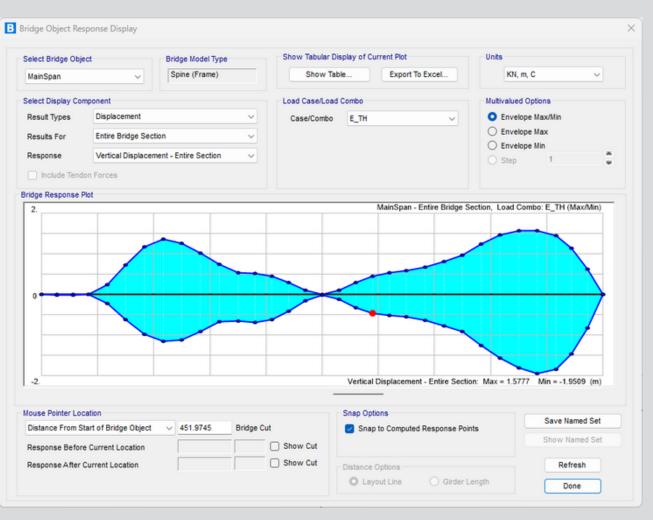


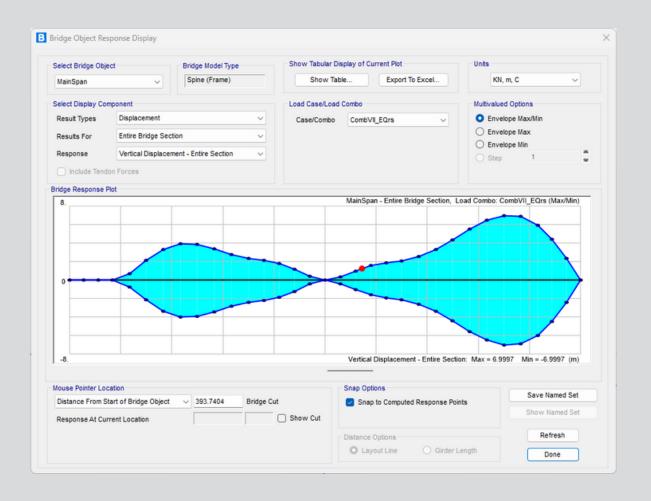


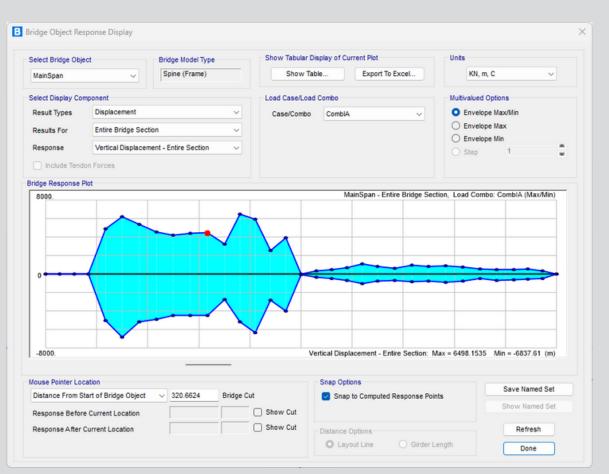


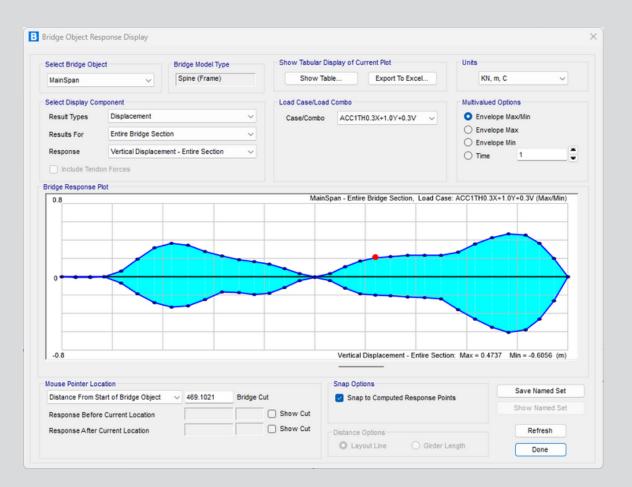


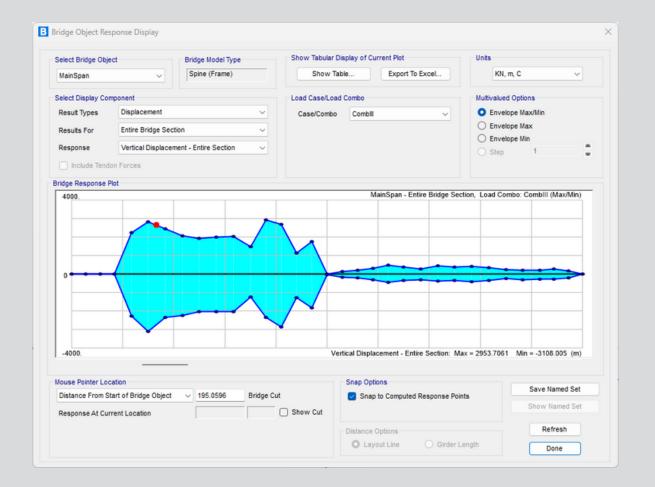


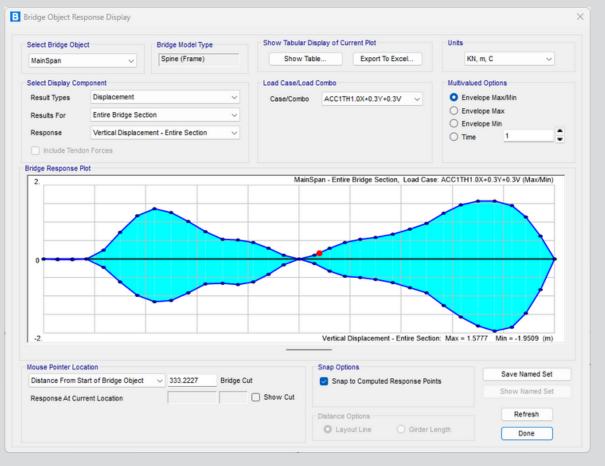


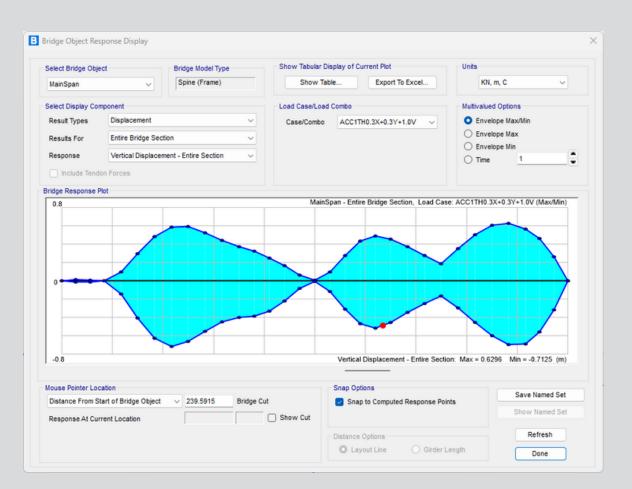








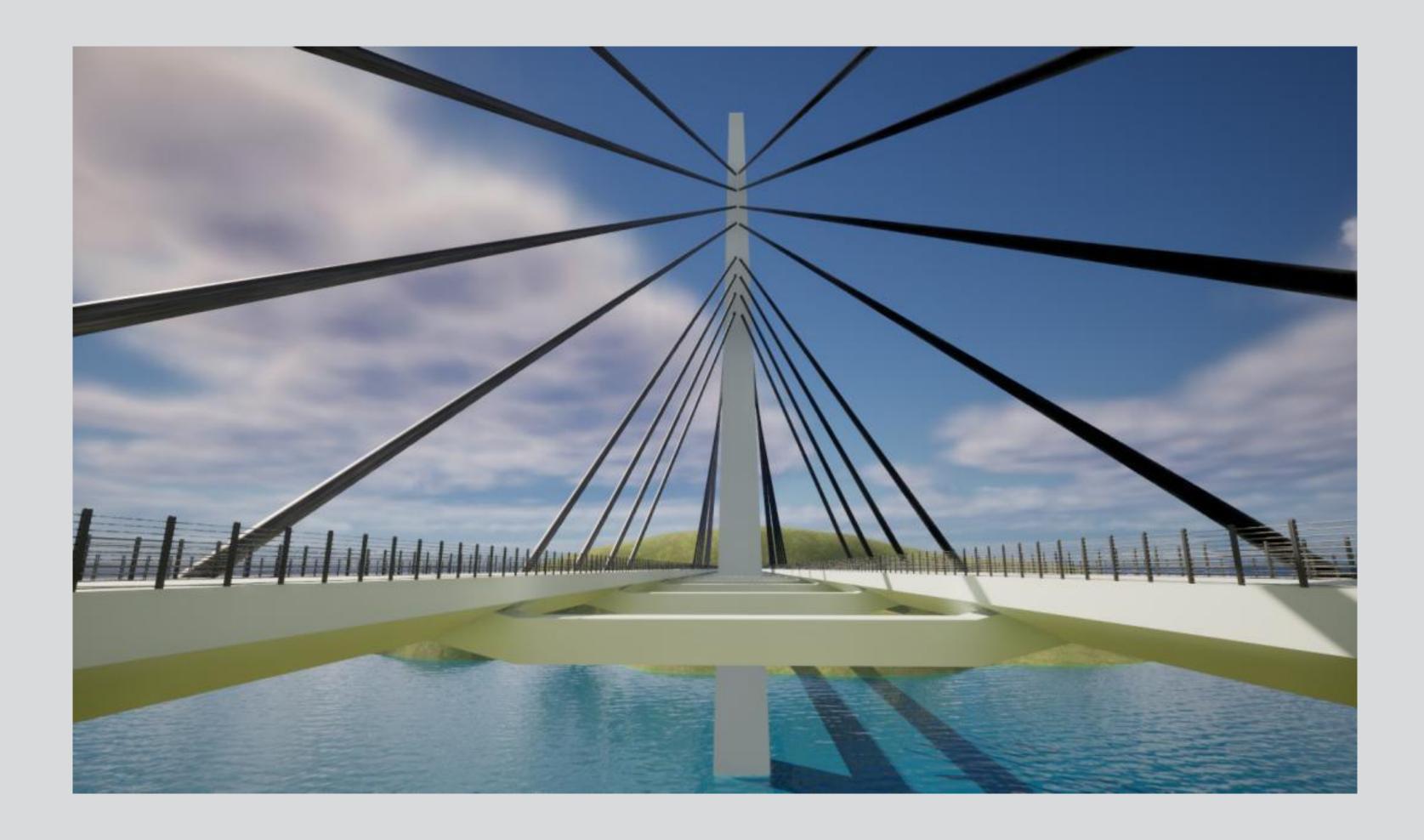




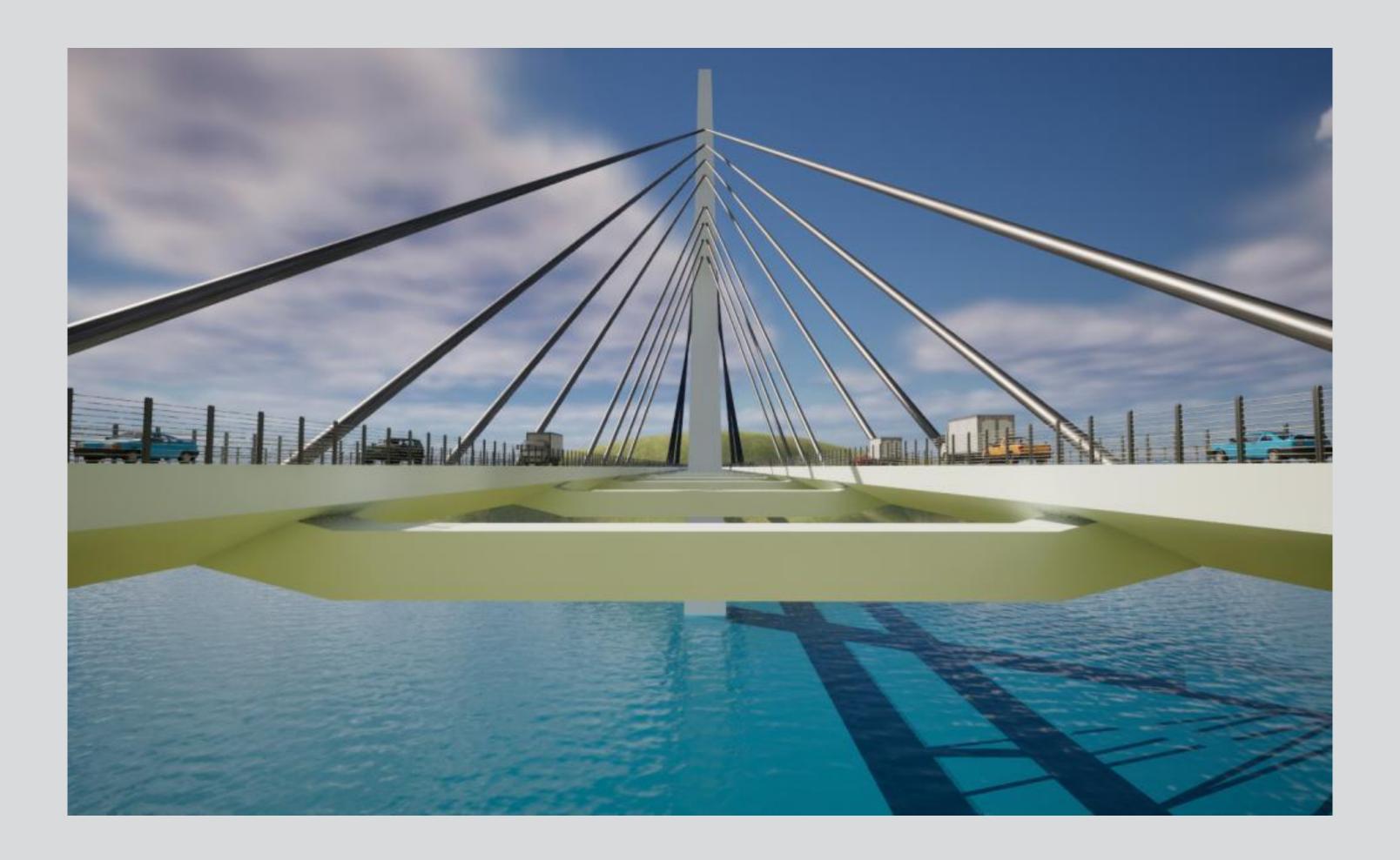
3D MODEL

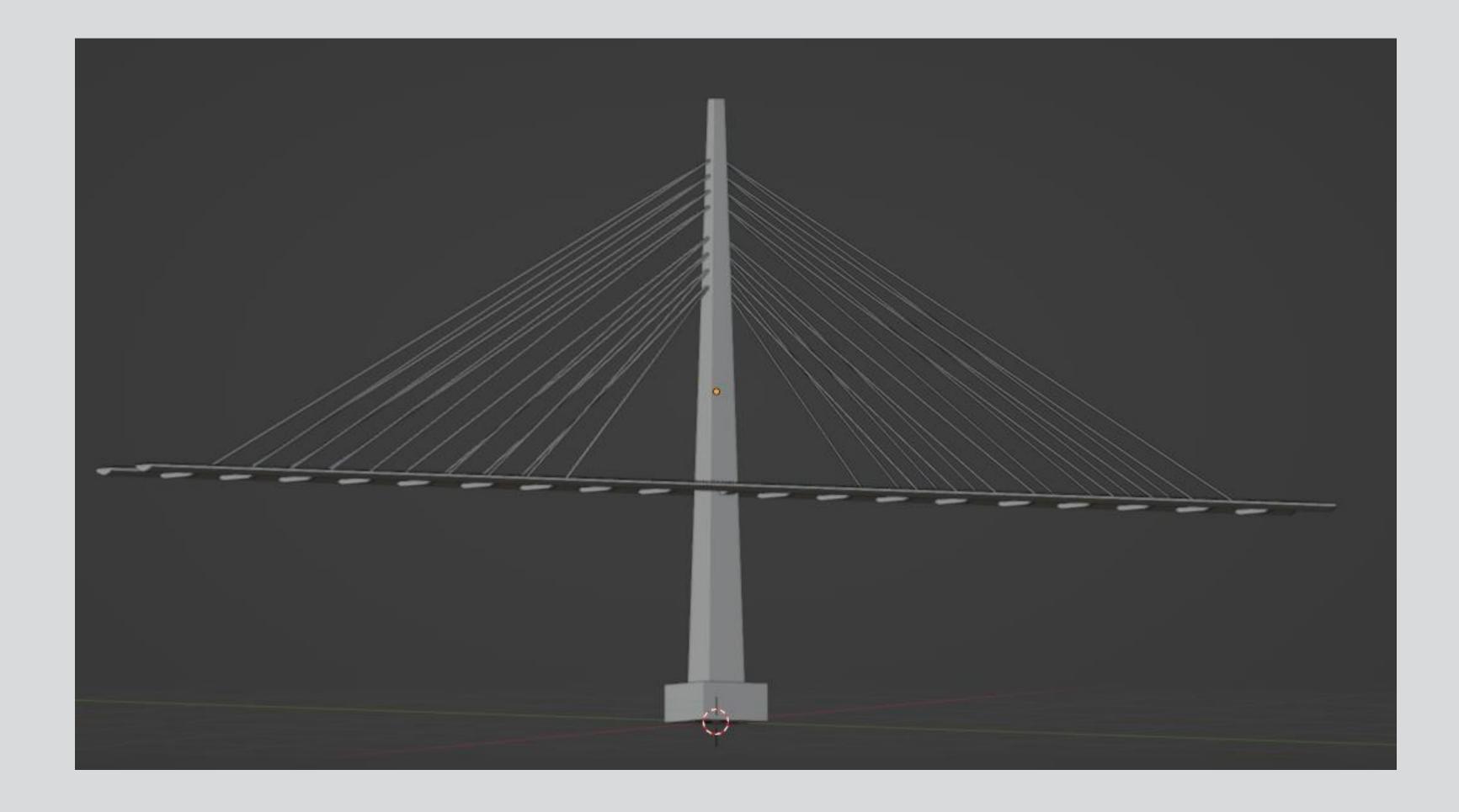




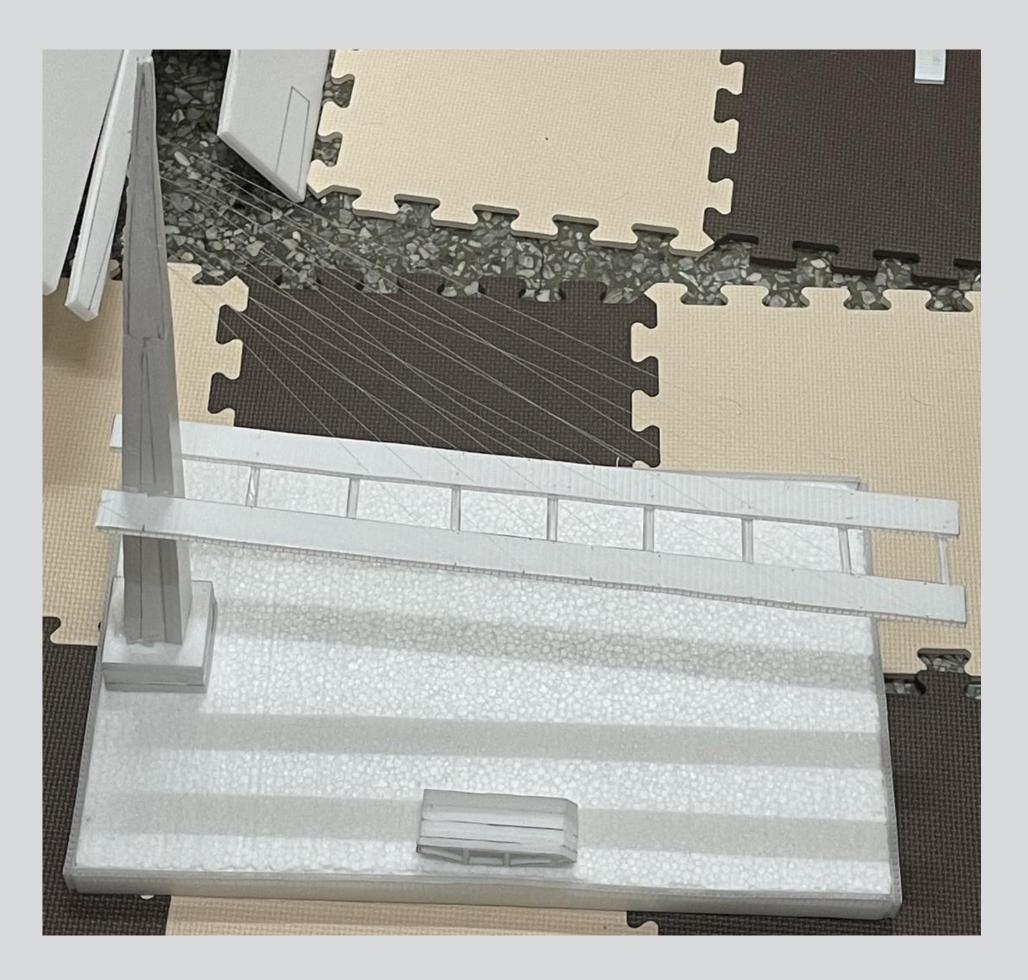








PHYSICAL MODEL



THANK YOU