

Dennis H. Mahan Memorial Bridge												Cost
Project ID: 00001C-												\$314,947.28
Designed By: H08 - Group 7												
#	Material Type	Cross Section	Size (mm)	Length (m)	Compression Force	Compression Strength	Compression Status	Tension Force	Tension Strength	Tension Status		
1	CS	Solid Bar	110x110	6.4	0	465.22	OK	1421.05	2873.75	OK		
2	CS	Solid Bar	110x110	6.4	0	465.22	OK	1137.17	2873.75	OK		
3	CS	Solid Bar	90x90	6.4	0	208.48	OK	853.86	1923.75	OK		
4	CS	Solid Bar	90x90	6.4	0	208.48	OK	573.97	1923.75	OK		
5	CS	Solid Bar	90x90	6.4	12.38	208.48	OK	536.33	1923.75	OK		
6	CS	Solid Bar	90x90	6.4	0	208.48	OK	816.22	1923.75	OK		
7	CS	Solid Bar	110x110	6.4	0	465.22	OK	1099.53	2873.75	OK		
8	CS	Solid Bar	110x110	6.4	0	465.22	OK	1383.41	2873.75	OK		
9	CS	Hollow Tube	260x260x13	4	1914.86	2660.84	OK	0	3050.45	OK		
10	CS	Hollow Tube	280x280x14	4	2549.06	3121.25	OK	0	3537.8	OK		
11	CS	Hollow Tube	300x300x15	4	2968.21	3616.1	OK	0	4061.25	OK		
12	CS	Hollow Tube	320x320x16	4	3174.41	4145.34	OK	0	4620.8	OK		
13	CS	Hollow Tube	320x320x16	4	3165.36	4145.34	OK	0	4620.8	OK		
14	CS	Hollow Tube	320x320x16	4	3165.36	4145.34	OK	0	4620.8	OK		
15	CS	Hollow Tube	300x300x15	4	2944.58	3616.1	OK	0	4061.25	OK		
16	CS	Hollow Tube	280x280x14	4	2510.86	3121.25	OK	0	3537.8	OK		
17	CS	Hollow Tube	260x260x13	4	1867.83	2660.84	OK	0	3050.45	OK		
18	CS	Solid Bar	160x160	6.4	1667.55	2082.43	OK	0	6080	OK		
19	CS	Solid Bar	110x110	5	0	762.96	OK	577.19	2873.75	OK		
20	CS	Solid Bar	120x120	5	872.12	1080.58	OK	0	3420	OK		
21	CS	Solid Bar	120x120	5	650.45	1080.58	OK	0	3420	OK		
22	CS	Solid Bar	100x100	5	431.69	521.12	OK	0	2375	OK		
23	CS	Solid Bar	60x60	5	9.02	67.54	OK	0	855	OK		
24	CS	Solid Bar	110x110	5	241.98	762.96	OK	186.49	2873.75	OK		
25	CS	Solid Bar	100x100	5	461.08	521.12	OK	0	2375	OK		
26	CS	Solid Bar	120x120	5	679.84	1080.58	OK	0	3420	OK		
27	CS	Solid Bar	120x120	5	901.51	1080.58	OK	0	3420	OK		
28	CS	Solid Bar	110x110	5	0	762.96	OK	577.19	2873.75	OK		
29	CS	Solid Bar	160x160	6.4	1705.19	2082.43	OK	0	6080	OK		
30	CS	Solid Bar	140x140	4	0	2633.62	OK	1065.22	4655	OK		
31	CS	Solid Bar	140x140	4	0	2633.62	OK	1065.22	4655	OK		
32	CS	Solid Bar	140x140	4	0	2633.62	OK	1914.86	4655	OK		
33	CS	Solid Bar	140x140	4	0	2633.62	OK	2549.06	4655	OK		
34	CS	Solid Bar	140x140	4	0	2633.62	OK	2968.21	4655	OK		
35	CS	Solid Bar	140x140	4	0	2633.62	OK	3174.41	4655	OK		
36	CS	Solid Bar	140x140	4	0	2633.62	OK	2944.58	4655	OK		
37	CS	Solid Bar	140x140	4	0	2633.62	OK	2510.86	4655	OK		
38	CS	Solid Bar	140x140	4	0	2633.62	OK	1867.83	4655	OK		
39	CS	Solid Bar	140x140	4	0	2633.62	OK	1041.71	4655	OK		
40	CS	Solid Bar	140x140	4	0	2633.62	OK	1041.71	4655	OK		
41	CS	Solid Bar	110x110	6.4	258.37	465.22	OK	290.35	2873.75	OK		