

Base Steel	\$ 2.00
Basic Fabrication	\$ 3.00
Complicated Fabrication	\$ 4.00

Item	Description	UM	U.C.	TSL Estimate: Skipping Stone		30% Estimate: Skipping Stone	
				Quantity	Amount	Quantity	Amount
<b>A DIRECT COSTS</b>							
<b>SUBSTRUCTURE</b>							
1	Structure Exc Class A Incl. Haul	CY	\$40	409	\$16,352	407	\$16,262
2	Shoring Extra Excavation Class A	SF	\$12	220	\$2,639	206	\$2,473
3	Conc. Class 4000 for Columns	CY	\$725	342	\$248,096	295	\$214,056
4	Steel Reinforcing for Columns	LBS	\$2	85,094	\$170,187	82,923	\$165,845
5	Wall Area for Piers and Abutments	SF	\$50	2,209	\$110,442	2,575	\$128,764
6	Furnish & Place Temp Casing for Shafts	LF	\$200	-	\$0	-	\$0
7	Furnish Permanent Casing	LF	\$500	1,020	\$510,000	950	\$475,000
8	Placing Permanent Casing	EA	\$2,500	16	\$40,000	15	\$37,500
9	Soil Exc for Shaft Incl Haul	CY	\$450	876	\$394,139	828	\$372,488
10	Conc. Class 5000 for Shaft	CY	\$400	876	\$350,346	828	\$331,100
11	Stl. Reinforcing for Shafts	LBS	\$2	280,277	\$560,553	263,002	\$526,005
12	CSL Access Tube	LF	\$10	4,950	\$49,500	4,670	\$46,700
13	Removal of Shaft Obstructions		10%	1	\$190,454	1	\$178,879
14	PT Bar	LBS	\$8	1,410	\$11,280	1,410	\$11,280
15	Structural Steel Plate	LBS	\$4	8,387	\$33,548	4,960	\$19,841
16	Rolled Sections	LBS	\$3	21,106	\$63,319	12,988	\$38,964
17	Disc Bearings	EA	\$8,000	-	\$0	14	\$112,000
18	Painting Steel	SF	\$3	874	\$2,622	736	\$2,208
<b>SUPERSTRUCTURE</b>							
1	Concrete Class 4000 (CIP on PC)	CY	\$725	305	\$221,125	319	\$231,478
2	Concrete Class 4000 (Concrete Formwork)	CY	\$1,200	-	\$0	-	\$0
3	Epoxy-Coated Steel Reinf Bar for Deck	LBS	\$2	91,500	\$183,000	72,553	\$145,107
4	Painting Steel	SF	\$3	24,275	\$72,824	25,135	\$75,405
5	Structural Steel Plate	LBS	\$4	6,097	\$24,387	87,596	\$350,384
6	Rolled Sections	LBS	\$3	159,933	\$479,798	155,727	\$467,182
7	Pipe	LBS	\$3	414,666	\$1,243,999	391,461	\$1,174,384
8	Rods	LF	\$2	-	\$0	-	\$0
9	Eleastomeric Bearing Pad	EA	\$250	6	\$1,500	-	\$0
10	Stay Cables	LBS	\$10	-	\$0	-	\$0
11	Cables	LF	\$420	-	\$0	-	\$0
12	Epoxy Wearing Surface	SF	\$18	-	\$0	-	\$0
13	Expansion Joint System (Compression Seal)	LF	\$100	32	\$3,200	35	\$3,500
14	Bridge Railing	LF	\$300	1,620	\$486,000	1,643	\$492,800
15	Dampers	EA	\$50,000	-	\$0	-	\$0
16	Special Crane Mobilize/Demobilize	EA	\$25,000	4	\$100,000	5	\$125,000
17	Steel Grating	SF	\$150	-	\$0	60	\$9,000
18	Glass Panels	EA	\$1,500	-	\$0	2	\$3,000
<b>APPROACH RAMP</b>							
1	Approach Walls	SF	\$60	5,980	\$358,772	3,568	\$214,065
2	Approach Fill	CY	\$35	1,627	\$56,959	2,944	\$103,046
3	Approach Pavement (Asphalt)	SF	\$4	8,513	\$34,051	7,751	\$31,003
4	Railing	LF	\$300	1,116	\$334,827	708	\$212,300
5	Bridge Approach Slab (6' Long x 8")	CY	\$500	4	\$2,074	5	\$2,256
6	Access / Trestle (for Wetlands)	LF	\$1,000	140	\$140,000	116	\$116,000
7	Curb and Anchorage Concrete	CY	\$725	-	\$0	25	\$18,072
<b>OTHER</b>							
1	Maintenance of Traffic	EA	\$200,000	1	\$200,000	1	\$200,000
2	Handrail Lighting (one side)	LF	\$400	1,368	\$547,218	1,175	\$470,067
3	Aesthetic Lighting	EA	\$100,000	-	\$0	1	\$100,000
4	Utility Conflicts	LS	\$20,000	5	\$100,000	5	\$100,000
5	Clearing and Grubbing	LS	\$15,650	1	\$15,650	1	\$15,650
6	Landscaping, Hardscaping & Seating	EA	\$150,000	1	\$150,000	1	\$150,000
7	Stormwater (Culvert)	LF	\$275	300	\$82,500	300	\$82,500
8	Misc Allowance (wetlands, trees, etc.)	EA	\$75,000	2	\$150,000	2	\$150,000
<b>ADDITIONAL ALLOWANCES</b>							
B	1 Contingency (% of A)	EA	20%	7,741,363	\$1,548,273	7,721,562	\$1,544,312
C	2 Mobilization (% of A+B)	EA	10%	9,289,636	\$928,964	9,265,875	\$926,587
D	3 Art Allowance (% of A+B+C)	EA	1%	10,218,599	\$102,186	10,192,462	\$101,925
E	4 Tax (% of A+B+C+D)	EA	10.1%	10,320,785	\$1,042,399	10,294,387	\$1,039,733
F	5 Owner's Reserve (% of A+B+C+D)	EA	7.5%	10,320,785	\$774,059	10,294,387	\$772,079
G	6 Construction Management (% of A+B+C+D)	EA	13%	10,320,785	\$1,341,702	10,294,387	\$1,338,270
H	7 City Permits	EA	\$75,000	1	\$75,000	1	\$75,000
I	8 City Staff Costs	EA	\$583,000	1	\$583,000	1	\$583,000
<b>TOTAL VALUE FOR COMPARITIVE ESTIMATE</b>							
J	1 Subtotal (A+B+C+D+E+F+G+H+I)				\$14,100,000		\$14,102,000
K	2 Cost with Inflation - 2019 (% of J)		5%		\$15,500,000		\$15,547,000
	3 Relative Cost Comparison (Cost/Min Cost)				100%		100%