

Base Steel	\$	2.00	
Basic Fabrication	\$	3.75	*includes 25% increase for profit, overhead, bonding, insurance
Complicated Fabrication	\$	5.00	*includes 25% increase for profit, overhead, bonding, insurance

Item	Description	UM	U.C.	90% Estimate		100% Estimate		
				Quantity	Amount	Quantity	Amount	
DIRECT COSTS								
SUBSTRUCTURE								
1	Structure Exc Class A Incl. Haul	CY	\$40	406	\$16,237	271	\$10,837	
2	Shoring Extra Excavation Class A	SF	\$12	202	\$2,426	100	\$1,200	
3	Conc. Class 4000 for Piers and Abutments	CY	\$725	282	\$204,562	286	\$207,201	
4	Steel Reinforcing for Piers and Abutments	LBS	\$2	73,862	\$147,724	61,866	\$123,733	
5	Furnish Permanent Casing	LF	\$500	835	\$417,500	865	\$432,500	
6	Placing Permanent Casing	EA	\$2,500	15	\$37,500	15	\$37,500	
7	Soil Exc for Shaft Incl Haul	CY	\$450	828	\$372,488	732	\$329,220	
8	Conc. Class 5000 for Shaft	CY	\$400	769	\$307,789	732	\$292,640	
9	Stl. Reinforcing for Shafts	LBS	\$2	160,994	\$321,988	118,926	\$237,851	
10	CSL Access Tube	LF	\$10	4,570	\$45,700	5,660	\$56,600	
11	Removal of Shaft Obstructions	LS	10%	1	\$150,296	1	\$138,631	
12	PT Bar	LBS	\$10	1,410	\$11,280	951	\$9,513	
13	Structural Steel Plate	LBS	\$5.00	5,074	\$20,297	8,746	\$43,728	
14	Rolled Sections	LBS	\$3.75	14,515	\$43,545	13,484	\$50,564	
15	Disc Bearings	EA	\$8,000	14	\$112,000	14	\$112,000	
16	Painting Steel	SF	\$3	673	\$2,020	524	\$1,571	
SUPERSTRUCTURE								
1	Concrete Class 4000 (CIP on PC)	CY	\$725	327	\$236,834	317	\$229,943	
2	Black Steel Reinf Bar for Deck	LBS	\$1.50	74,617	\$111,925	72,558	\$108,837	
3	Painting Steel	SF	\$3	23,531	\$70,592	23,415	\$70,244	
4	Structural Steel Plate	LBS	\$5.00	86,546	\$346,185	76,769	\$383,846	
5	Rolled Sections	LBS	\$3.75	83,241	\$249,722	79,134	\$296,753	
6	Pipe	LBS	\$3.75	360,411	\$1,081,232	345,252	\$1,294,694	
7	Expansion Joint System (Compression Seal)	LF	\$100	32	\$3,200	33	\$3,300	
8	Bridge Railing	LF	\$350	1,582	\$474,581	1,649	\$577,106	
9	Bridge Vibration Dampers	EA	\$15,000	4	\$60,000	4	\$60,000	
10	Special Crane Mobilize/Demobilize	EA	\$25,000	5	\$125,000	5	\$125,000	
11	Fiberglass Grating	LS	\$4,500	1	\$4,500	1	\$4,500	
18	Glass Panels	EA	\$1,500	2	\$3,000	2	\$3,000	
APPROACH RAMP								
1	Approach Walls	SF	\$40	5,150	\$309,000	4,602	\$184,090	
2	Approach Fill	CY	\$35	2,994	\$104,804	2,347	\$82,133	
3	MSE Straps	SF	\$40	13,262	\$53,047	1,849	\$73,944	
4	Railing	LF	\$350	690	\$206,940	549	\$192,199	
5	Bridge Approach Slab	SY	\$250	7	\$3,457	31	\$7,778	
6	Wetland Access	LS	\$20,000	116	\$116,000	1	\$20,000	
7	Foundation and Anchorage Concrete	CY	\$725	14	\$9,929	13	\$9,492	
8	Foundation and Anchorage Reinforcing	LBS	\$2	-	\$0	40,500	\$81,000	
OTHER								
1	Maintenance of Traffic	EA	\$200,000	1	\$187,400	1	\$207,000	
2	Functional Lighting	LS	\$321,300	750	\$450,000	1	\$321,300	
3	Aesthetic Lighting	LS	\$277,000	1.5	\$150,000	1.0	\$277,000	
4	Lighting/Deck Conduits	LF	\$25	4,656	\$46,560	4,656	\$115,000	
5	Utility Conflicts	LS	\$20,000	5	\$100,000	1	\$20,000	
6	Clearing and Grubbing	LS	\$15,650	6	\$87,380	10	\$151,490	
7	Landscaping, Hardscaping & Seating	EA	\$150,000	2	\$300,000	1	\$154,720	
8	Irrigation	EA	\$40,000	3	\$118,862	2	\$82,500	
9	Stormwater (Culvert)	LF	\$275	-	\$56,990	-	\$40,090	
10	Traffic Barriers	LF	\$75	-	\$0	-	\$0	
11	Removal and Disposal of Rail Signal House	LS	\$5,000	-	\$0	-	\$0	
12	Misc Allowance (Plants, trees, topsoil, etc.)	EA	\$75,000	2	\$150,000	4	\$279,380	
13	Temporary Erosion and Sediment Control	LS	\$239,200	1	\$276,300	1	\$239,200	
14	Earthwork and Paving	LS	\$309,404	1	\$265,085	1	\$309,404	
15	Pigmented Concrete Sealer	SY	\$10,000	364	\$3,637	328	\$3,278	
16	IT Conduits and Vaults	LS	\$75,000	1	\$149,552	1	\$75,000	
Subtotal A					\$ 8,099,270		\$ 8,168,512	
ADDITIONAL ALLOWANCES								
B	1	Mobilization (% of A)	EA	10%	8,909,197	\$890,920	8,168,512	\$816,851
C	2	Contingency (% of A)	EA	10%	8,099,270	\$809,927	8,168,512	\$816,851
D	3	Art Allowance (% of A+B+C)	EA	0%	9,800,116	\$98,001	9,802,215	\$0
E	4	Tax (% of A+B+C+D)	EA	10.1%	10,047,670	\$1,014,815	9,802,215	\$990,024
F	5	Owner's Reserve (% of A+B+C+D+E)	EA	8%	10,047,670	\$753,575	9,802,215	\$735,166
G	6	Construction Management (% of A+B+C+D+E+F)	EA	13%	10,047,670	\$1,306,197	9,802,215	\$1,274,288
H	7	City Permits	LS	\$75,000	-	\$0	-	\$0
I	8	City Staff Costs	LS	\$583,000	1	\$583,000	1	\$583,000
TOTAL VALUE FOR COMPARATIVE ESTIMATE								
J	1	Subtotal (A+B+C+D+E+F+G+H+I)			\$13,705,000		\$13,385,000	
K	2	Cost with Inflation - 2020 (% of J)		8%	\$15,986,000		\$15,612,000	
	3	Relative Cost Comparison (Cost/Min Cost)				102%	100%	

Notes:

- The estimates are calculated in today's dollars.
- Unit prices are based on WSDOT BDM high end values and previous experience with costs for similar completed pedestrian bridge structures. Unit prices include profit, overhead, bonding, and insurance.
- Stairs and/or elevators are excluded from the cost estimate.
- No contaminated material removal and disposal is included.
- No property acquisition is anticipated and therefore is not included.
- No roadway or modification of signals are anticipated as part of this project and therefore are not included.
- This estimate is based on the 100% design drawings.