

Bicentennial/Live Oak Pedestrian Boardwalk Crossing					Date	8/23/2022
Opinion of Probable Cost						
Item #	Description	Used for:	Unit	Quantity	Unit Price	Material Cost
Boardwalk - Assumed 10' Wide Boardwalk is Continuous from End to End						
1	10" Butt Piles 40' Long	Piling	EA	8	\$ 326.00	\$ 2,608.00
2	10" Butt Piles 35' Long	Piling	EA	192	\$ 285.00	\$ 54,720.00
3	10" Butt Piles 30' Long	Piling	EA	20	\$ 245.00	\$ 4,900.00
4	10" Butt Piles 25' Long	Piling	EA	8	\$ 204.00	\$ 1,632.00
5	10"x10"x20'	Pile Cap	EA	57	\$ 330.00	\$ 18,810.00
6	3"x12"x12'	Stringer	EA	906	\$ 97.68	\$ 88,498.08
7	2"x8"x12'	Cross-Bracing for Piles	EA	206	\$ 32.45	\$ 6,684.70
8	2"x8"x16'	Longitudinal Bracing for Piles	EA	103	\$ 43.27	\$ 4,456.47
9	4"x6"x12'	Guardrail Post	EA	224	\$ 35.36	\$ 7,920.64
10	2"x6"x10'	Guardrail Top/Bottom Rails & Cap	EA	678	\$ 14.35	\$ 9,729.30
11	2"x6"x10'	Decking	EA	2333	\$ 14.35	\$ 33,478.55
12	1"x6"x12'	Guardrail Post Vertical Cap	EA	90	\$ 11.82	\$ 1,063.80
13	2"x4"x10'	Guardrail Post Rail to Sandwich Wire	EA	452	\$ 9.43	\$ 4,262.36
14	Freight to Jobsite (Midway Pricing)	-	EA	4	\$ 250.00	\$ 1,000.00
15	Tax for Lumber 7%	-	LS	1	-	\$ 16,783.47
16	Wire Fencing 36" x 50'	Guardrail	LF	2162	\$ 15.00	\$ 32,430.00
17	Hardware 25# / ft	-	LF	1081	\$ 75.00	\$ 81,075.00
18	Boardwalk Nature Signs	-	EA	25	\$ 500.00	\$ 12,500.00
Sub-Total Materials: Boardwalk						\$ 382,552.37
Platform - Approx. Dimensions 10' x 21'						
19	10" Butt Piles 35' Long	Piling	EA	8	\$ 285.00	\$ 2,280.00
20	10"x10"x20'	Pile Cap	EA	2	\$ 330.00	\$ 660.00
21	3"x12"x12'	Stringer	EA	7	\$ 97.68	\$ 683.76
22	3"x12"x16'	Stringer	EA	13	\$ 130.24	\$ 1,693.12
23	2"x8"x12'	Cross-Bracing for Piles	EA	16	\$ 32.45	\$ 519.20
24	2"x8"x16'	Longitudinal Bracing for Piles	EA	4	\$ 43.27	\$ 173.07
25	4"x6"x12'	Guardrail Post	EA	2	\$ 35.36	\$ 70.72
26	2"x6"x10'	Guardrail Top/Bottom Rails & Cap	EA	6	\$ 14.35	\$ 86.10
27	2"x6"x16'	Decking	EA	47	\$ 22.96	\$ 1,079.12
28	1"x6"x12'	Guardrail Post Vertical Cap	EA	1	\$ 11.82	\$ 11.82
29	2"x4"x10'	Guardrail Post Rail to Sandwich Wire	EA	4	\$ 9.43	\$ 37.72
30	Tax for Lumber 7%	-	LS	1	-	\$ 510.62
31	Wire Fencing 36" x 50'	Guardrail	LF	20	\$ 15.00	\$ 300.00
32	Hardware 25# / ft	-	LF	21	\$ 75.00	\$ 1,575.00
Sub-Total Materials: Platform						\$ 9,680.25
Total	Materials Cost			\$ 362.84 /ft cost	total	\$ 392,232.62
Sub Total	Labor at 1.5 materail cost			\$ 544.26 /ft cost	total	\$ 588,348.93
Total	Estimated Construction Cost			\$ 907.11 /ft cost	total	\$ 980,581.55

Item #	Description	Used for:	Unit	Quantity	Unit Price	Material Cost
Miscellaneous						
33	Tree Removal: 4" -6" Diameter		EA	215	\$ 150.00	\$ 32,250.00
34	Tree Removal: 7" -9" Diameter		EA	110	\$ 250.00	\$ 27,500.00
35	Tree Removal: 10" -12" Diameter		EA	56	\$ 500.00	\$ 28,000.00
36	Tree Removal: 13" -15" Diameter		EA	23	\$ 1,000.00	\$ 23,000.00
37	Tree Removal: 16" -18" Diameter		EA	8	\$ 2,000.00	\$ 16,000.00
38	Tree Removal: 19" -21" Diameter		EA	3	\$ 4,000.00	\$ 12,000.00
39	Tree Removal: 47" Diameter		EA	1	\$ 8,000.00	\$ 8,000.00
40	Unclassified Excavation	Concrete Path & Parking	CY	150	\$ 40.00	\$ 6,000.00
41	Borrow Excavation	Concrete Path & Parking	CY	75	\$ 40.00	\$ 3,000.00
42	Concrete 6" Thick w/ 6x6x6 wire mesh	Concrete Path & Parking	SY	116	\$ 135.00	\$ 15,660.00
43	Gravel Access Drive		SY	333	\$ 25.00	\$ 8,325.00
44	Geotextile Separation Fabric	Gravel Access Drive	SY	333	\$ 5.00	\$ 1,665.00
45	Bollard - Removable/Lockable	Sidewalk at each end of Boardwalk	EA	2	\$ 2,500.00	\$ 5,000.00
46	Parking Bumper	Concrete Parking Area	EA	2	\$ 750.00	\$ 1,500.00
47	Traffic Marking, Blue	Concrete Parking Area	SF	5	\$ 15.00	\$ 75.00
48	Traffic Stripe, Blue, Class 2, Type A (5" Wide)	Concrete Parking Area	LF	186	\$ 5.00	\$ 930.00
49	Handicap Parking Sign (Includes Post)	Concrete Parking Area	EA	2	\$ 300.00	\$ 600.00
50	Silt Fence & Removal		LF	224	\$ 10.00	\$ 2,240.00
51	Seeding Disturbed Areas		ACRE	1.33	\$ 5,000.00	\$ 6,650.00
52	Concrete Washout	One at either end of Boardwalk	EA	2	\$ 1,000.00	\$ 2,000.00
53	Construction Safety Fence	As Directed by Engineer	LF	100	\$ 6.00	\$ 600.00
54	Mobilization		LS	1	\$ 70,000.00	\$ 70,000.00
55	Geometric Controls		LS	1	\$ 15,500.00	\$ 15,500.00
Sub-Total Miscellaneous						\$ 286,495.00
Preliminary Opinion of Probable Construction Cost						\$ 1,267,076.55
Estimated Design Fee						
	Survey, Structural design, Permitting		6.75%	Const. Cost		\$ 85,527.67
	Geotechnical Services*					\$ 19,228.00
Estimated Total Design Services						\$ 104,755.67
Estimated CE&I Cost			5.80%	Const. Cost		\$ 73,490.44
Estimated Value of Engineering and CE&I						\$ 178,246.11
Total Opinion of Probable Cost						\$ 1,445,322.66