



**City of Austin CIPP
Boggy Creek Greenbelt - Reach B8 Stream Restoration
Opinion of Probable Construction Cost**

16-May-12

Item No.	Item	Description	Unit Cost	Unit	Quantity	Item Cost
General Site Conditions						
1	SP120S-B-1	Channel Excavation, Plan Quantity - Boggy Creek	\$ 31.00	CY	12510	\$ 387,810.00
2	SP120S-B-2	Channel Excavation, Plan Quantity - Water Quality Swale 18	\$ 31.00	CY	411	\$ 12,741.00
3	SP120S-B-3	Channel Excavation, Plan Quantity - Water Quality Swale 19	\$ 31.00	CY	314	\$ 9,734.00
4	SP403S-D	Concrete Toe Wall, Plan Quantity	\$ 310.00	LF	272	\$ 84,320.00
5	SP403S-E	Pedestrian Bridge Northern Abutment Repair	\$ 8,000.00	LS	1	\$ 8,000.00
6	SP403S-F	Pedestrian Bridge Southern Abutment Repair	\$ 8,280.00	LS	1	\$ 8,280.00
7	505S-B	Encasement Pipe 30-inch Dia., Type Steel	\$ 180.00	LF	55	\$ 9,900.00
8	506-ABWW	Abandonment of Existing Manholes (all sizes and depths) Wastewater Manhole	\$ 1,500.00	EA	4	\$ 6,000.00
9	506 ABW	Abandonment of existing Manholes (Drain Manhole)	\$ 1,000.00	EA	1	\$ 1,000.00
10	509S-1	Trench Excavation Safety Protective Systems (all depths)	\$ 2.00	LF	4550	\$ 9,100.00
11	510-AW 6	Pipe, 6-inch Dia., Class 350 Ductile Iron, (all depths) including Excavation and Backfill	\$ 150.00	LF	10	\$ 1,500.00
12	510-AWRJ 16	Factory Restrained Joint Pipe, 16-inch Dia., Class 250 Ductile Iron, (all depths) including Excavation and Backfill	\$ 205.00	LF	193	\$ 39,565.00
13	510-JW16 x 16	Wet Connections, 16 Dia. x 16 Dia.	\$ 7,000.00	EA	3	\$ 21,000.00
14	510-KW	Ductile Iron Fittings	\$ 8,000.00	Ton	0.5	\$ 4,000.00
15	SP510-TCW 16	Transition Coupling, 16-Inch Diameter, CSC to DI pipe	\$ 2,000.00	EA	2	\$ 4,000.00
16	511S-A6	Valves, RS Gate Type, 6-inch Diameter	\$ 1,500.00	EA	1	\$ 1,500.00
17	511S-A16	Valves, RS Gate Type, 16-inch Diameter	\$ 6,000.00	EA	1	\$ 6,000.00
18	511S-D	Drain Valve Assemblies (See Standard No. 511S-9A)	\$ 8,000.00	EA	1	\$ 8,000.00
19	511S-G	Additional Bury Depth	\$ 300.00	VF	8	\$ 2,400.00
20	SP602S-E-1	"Density" Hybrid Buffalo Grass Sodding, 100% Coverage; Plan Quantity	\$ 6.00	SY	5739	\$ 34,434.00
21	SP602S-E-2	"Density" Hybrid Buffalo Grass Sodding, 90% Coverage; Plan Quantity	\$ 5.40	SY	3052	\$ 16,480.80
22	SP608S-1A	Planting Type 4" Containers, per plans	\$ 5.00	EA	5197	\$ 25,985.00
23	SP608S-1B	Planting Type 1 gallon containers, per plans	\$ 10.00	EA	5221	\$ 52,210.00
24	SP608S-1C	Planting Type 5 gallon containers, per plans	\$ 45.00	EA	672	\$ 30,240.00
25	SP608S-1D	Planting Type 30 gallon containers, per plans	\$ 250.00	EA	9	\$ 2,250.00
26	SP608S-1E	Planting Type 2" caliper trees, per plans	\$ 300.00	EA	434	\$ 130,200.00
27	SP608S-2A	Maintenance in Plant Establishment Period	\$ 5,000.00	MO	12	\$ 60,000.00
28	SP608S-2B-1	Extended Maintenance, after Plant Establishment Period, year one	\$ 50,000.00	LS	1	\$ 50,000.00
29	SP608S-2B-2	Extended Maintenance, after Plant Establishment Period, year two	\$ 50,000.00	LS	1	\$ 50,000.00
30	SP608S-3A	Hardwood Mulch, 4" thickness, 4' diameter	\$ 30.00	EA	443	\$ 13,290.00
31	SP608S-3B	Underground Staking System	\$ 40.00	EA	443	\$ 17,720.00
32	SP608S-4	Underground Temporary Irrigation System	\$ 50,000.00	LS	1	\$ 50,000.00
33	SP609S-I	Topsoil and Seedbed Preparation, Channel Vegetation, Plan Quantity	\$ 8.00	SY	8482	\$ 67,856.00
34	SP609S-J	Topsoil and Seedbed Preparation, Riparian Restoration, Plan Quantity	\$ 8.00	SY	11028	\$ 88,224.00
35	SP609S-K	Topsoil and Seedbed Preparation, Water Quality Swales, Plan Quantity	\$ 8.00	SY	3374	\$ 26,992.00
36	SP609S-L	Native Grassland Seeding, Seed Mix #1, hydroseeded, Plan Quantity	\$ 1.00	SY	1457	\$ 1,457.00
37	SP609S-M	Native Grassland Seeding, Seed Mix #1, hydromulched, Plan Quantity	\$ 2.50	SY	7677	\$ 19,192.50
38	SP609S-N	Native Grassland Seeding, Seed Mix #2, hydroseeded, Plan Quantity	\$ 1.00	SY	3763	\$ 3,763.00
39	SP609S-O	Native Grassland Seeding, Seed Mix #3, hydromulched, Plan Quantity	\$ 2.50	SY	25440	\$ 63,600.00
40	SP609S-P	Native Grassland Seeding, Seed Mix #4, hydroseeded, Plan Quantity	\$ 1.00	SY	448	\$ 448.00
41	610S-A	Protective Fencing Type A Chain Link fence (Typical application - high damage potential)	\$ 4.20	LF	2950	\$ 12,390.00
42	SP610S-R-1	Removal of Trees 4"-8" caliper	\$ 100.00	EA	9	\$ 900.00
43	SP610S-R-2	Removal of Trees 9"-13" caliper	\$ 300.00	EA	8	\$ 2,400.00
44	SP610S-R-3	Removal of Trees 14"-18" caliper	\$ 600.00	EA	13	\$ 7,800.00
45	SP610S-R-4	Removal of Trees 19"-23" caliper	\$ 600.00	EA	3	\$ 1,800.00
46	SP610S-E	Fertilizing of existing trees as designated on plans	\$ 150.00	EA	56	\$ 8,400.00
47	SP610S-F	Watering of existing trees as designated on plans	\$ 200.00	EA	56	\$ 11,200.00
48	SP610S-G	Mulch and Protection of Access Routes / Storage Staging Areas and Riparian Zone Tree Protection	\$ 100,000.00	LS	1	\$ 100,000.00
49	639S	Rock Berm - Severe Service	\$ 50.00	LF	350	\$ 17,500.00
50	641S	Stabilized Construction Entrances	\$ 1,500.00	EA	7	\$ 10,500.00
51	700S-TM	Total Mobilization Payment	\$ 107,250.90	LS	1	\$ 107,250.90
52	802S-B CIP	CIP Project Sign	\$ 500.00	EA	1	\$ 500.00
53	803S-CD	Barricades, Signs, and Traffic Handling	\$ 50.00	CD	365	\$ 18,250.00



**City of Austin CIPP
Boggy Creek Greenbelt - Reach B8 Stream Restoration
Opinion of Probable Construction Cost**

16-May-12

Item No.	Item	Description	Unit Cost	Unit	Quantity	Item Cost
54	SP803S-SF	Safety Fence	\$ 3.00	LF	11350	\$ 34,050.00
55	SS648	Mulch Sock	\$ 10.00	LF	6400	\$ 64,000.00
56	SS697	Dewatering	\$ 57,600.00	LS	1	\$ 57,600.00
57	SS698-A-1	Rock Riprap Grade Control Structures - GSC 1, Plan Quantity, Complete In-Place	\$ 90.00	CY	610	\$ 54,900.00
58	SS698-A-2	Rock Riprap Grade Control Structures - GSC 2, Plan Quantity, Complete In-Place	\$ 90.00	CY	650	\$ 58,500.00
59	SS698-A-3	Rock Riprap Grade Control Structures - GSC 3, Plan Quantity, Complete In-Place	\$ 90.00	CY	520	\$ 46,800.00
60	SS698-A-4	Rock Riprap Grade Control Structures - GSC 4, Plan Quantity, Complete In-Place	\$ 90.00	CY	490	\$ 44,100.00
61	SS698-A-5	Rock Riprap Grade Control Structures - GSC 5, Plan Quantity, Complete In-Place	\$ 90.00	CY	550	\$ 49,500.00
62	SS698-A-6	Rock Riprap Grade Control Structures - STA 209+40 Toe Protection, Plan Quantity, Complete In-Place	\$ 80.00	CY	50	\$ 4,000.00
63	SS698-A-7	Rock Riprap Grade Control Structures - STA 224+76 Grade Break, Plan Quantity, Complete In-Place	\$ 80.00	CY	120	\$ 9,600.00
64	SS698-A-8	Rock Riprap Grade Control Structures - STA 228+00 Bed Riprap below Overpass between GCS's, Plan Quantity, Complete In-Place	\$ 80.00	CY	520	\$ 41,600.00
65	SS698-A-9	Rock Riprap Grade Control Structures - STA 234+00 Culvert Riprap, Plan Quantity, Complete In-Place	\$ 80.00	CY	430	\$ 34,400.00
66	SS698-B:	Rock Riprap Toe/Bank Protection, Plan Quantity, Complete In-Place,	\$ 94.00	CY	2420	\$ 227,480.00
67	SS698-C:	Rock Riprap Spurs, Plan Quantity, Complete In-Place	\$ 90.00	CY	65	\$ 5,850.00
68	SS698-D-1:	Turf Reinforcement Mat, Bank Trash Repair, Plan Quantity, Complete In-Place,	\$ 25.25	SY	473	\$ 11,943.25
69	SS698-D-2:	Turf Reinforcement Mat, Transition to Concrete Slope, Plan Quantity, Complete In-Place,	\$ 25.25	SY	160	\$ 4,040.00
70	SS698-E	Storm Drain Modification,	\$ 2,000.00	LS	1	\$ 2,000.00
71	SS699-A	Water Quality Swale 18, Plan Quantity, Complete In-Place	\$ 27.00	SY	1020	\$ 27,540.00
72	SS699-B	Water Quality Swale 19, Plan Quantity, Complete In-Place	\$ 27.00	SY	1120	\$ 30,240.00
73	SS02220-A	Wastewater Facility Demolition, Plan Quantity (all materials, sizes, depths, thicknesses and extents) from STA 201+00 to 215+50.	\$ 103.00	Channel LF	1450	\$ 149,350.00
74	SS02220-B	Miscellaneous Channel Debris Removal, Plan Quantity, from STA 215+50 to STA 225+60; and from STA 230+50 to STA 234+10	\$ 250.00	100-ft STA	13.7	\$ 3,425.00
75	SS02220-C	Concrete Riprap Channel Demolition, Plan Quantity - STA 225+60 to STA 230+50	\$ 130.00	Channel LF	490	\$ 63,700.00
76	SS02220-D1	Pedestrian Bridge Northern Abutment Demolition	\$ 1,200.00	LS	1	\$ 1,200.00
77	SS02220-D2	Pedestrian Bridge Southern Abutment Demolition	\$ 1,300.00	LS	1	\$ 1,300.00
78	SS02220-E	Trash, Debris, and Fill Removal, Plan Quantity, at Bank Repair STA 217+00 to 219+00.	\$ 74.00	CY	403	\$ 29,822.00
79	SS02220-F	Sediment Removal - Rosewood Box Culvert	\$ 2,000.00	LS	1	\$ 2,000.00
80	SS02220-G	Juneteenth Preparations	\$ 1,500.00	LS	1	\$ 1,500.00
		Engineer's Opinion of Probable Construction Cost Total				\$ 2,788,523.45

This opinion of construction cost was compiled from record information pertaining to bid tabulations of projects of similar character and scope, or when those were not available, from other cost estimating methods. Since ENGINEER has no control over the cost of labor, materials, equipment, services furnished by others, over the Contractor(s) methods of determining prices, over competitive bidding or market conditions, ENGINEER's opinion of probable construction cost is made on the basis of ENGINEER'S experience and qualifications and represents ENGINEER'S judgment as an experienced and qualified Professional Engineer, familiar with the Construction Industry, and ENGINEER can not and does not guarantee that proposals, bids or actual Total Project Construction Costs will not vary from opinions of probable cost prepared.

