

**Engineer's Estimate of Construction Cost
Fort Branch Creek Reach 6&7 Channel Rehabilitation - CIP 5848.057**

No.	Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
1	101S-A	6.1	AC	Preparing Right of Way	\$11,000.00	\$67,100.00
2	104S-G-1	1	LS	Remove Misc. P.C. Concrete (9'x10' Box Culverts and Associated Slab, Rail, Wingwalls, Footings, Riprap, and Pipe Outfalls)	\$83,500.00	\$83,500.00
3	104S-G-2	1	LS	Remove Miscellaneous P.C. Concrete (Broken Concrete Rubble Along Channel Banks)	\$22,800.00	\$22,800.00
4	110S-A	461	CY	Street Excavation	\$75.00	\$34,575.00
5	120S-B	11,200	CY	Channel Excavation, Plan Quantity	\$35.00	\$392,000.00
6	210S-A	320	CY	Flexible Base (Type A) (12")	\$50.00	\$16,000.00
7	315S-A	274	SY	Surface Milling	\$3.00	\$822.00
8	340S-B3	110	SY	Hot Mix Asphaltic Concrete Pavement, Three-inches, Type C	\$20.00	\$2,200.00
9	340S-B2	732	SY	Hot Mix Asphaltic Concrete Pavement, Two-inches, Type D	\$10.00	\$7,320.00
10	402S-A	41	CY	Controlled Low Strength Material	\$150.00	\$6,150.00
11	430S-B	477	LF	P.C. Concrete Curb and Gutter (Fine Grading)	\$23.50	\$11,209.50
12	430S-E	86	LF	P.C. Concrete Laydown Curb (Excavation)	\$23.50	\$2,021.00
13	432S-4	190	SF	NEW P.C. CONCRETE SIDEWALKS, 4 INCH THICKNESS	\$7.00	\$1,330.00
14	433S-A	50	SF	TYPE 1 P.C. CONCRETE DRIVEWAY	\$9.75	\$487.50
15	506-CNSW	5	EA	Connection to existing inlet/pipe	\$1,500.00	\$7,500.00
16	506-CNWW	2	EA	Connection to existing pipe	\$1,500.00	\$3,000.00
17	506-JSW12	1	EA	Junction Box 12'x6'	\$18,000.00	\$18,000.00
18	506-MSW48	1	EA	Standard Pre-cast Manhole w/Precast Base, 48 In. Dia.	\$5,000.00	\$5,000.00
19	506-MSW60	1	EA	Standard Pre-cast Manhole w/Pre-cast Base, 60 In. Dia.	\$7,000.00	\$7,000.00
20	506-DWW48	2	EA	Drop Manhole w/Pre-cast Base, 48 In. Dia.	\$5,000.00	\$10,000.00
21	506-D1WW48	1	EA	Drop Manhole w/CIP Base, 48 In. Dia.	\$5,000.00	\$5,000.00
22	506-M1WW48	1	EA	Standard Pre-cast Manhole w/CIP Base, 48 In. Dia.	\$5,000.00	\$5,000.00
23	506-MWW60	3	EA	Standard Pre-cast Manhole w/Pre-cast Base, 60 In. Dia.	\$7,000.00	\$21,000.00
24	506S EDMWW	16	VF	Extra Depth Manhole, 60 in Dia	\$380.00	\$6,080.00
25	508S-I10S	6	EA	Inlet, Standard, 10-foot	\$4,000.00	\$24,000.00
26	508S-I15S	1	EA	Inlet, Standard, 15-foot	\$5,500.00	\$5,500.00
27	508S-I20S	1	EA	Inlet, Standard, 20-foot	\$7,000.00	\$7,000.00
28	509S-1	2,876	LF	Trench Excavation Safety Protective Systems (all depths)	\$2.50	\$7,190.00
29	510-ASD18	178	LF	Pipe, 18-inch, RCP Class III, (all depths), including excavation and backfill	\$80.00	\$14,240.00
30	510-ASD18-V	225	LF	Pipe, 18-inch, RCP Class V, (all depths), including excavation and backfill	\$95.00	\$21,375.00
31	510-ASD24	210	LF	Pipe, 24-inch, RCP Class III, (all depths), including excavation and backfill	\$90.00	\$18,900.00
32	510-ASD42	20	LF	Pipe, 42 in. dia. RCP Class III (all depths), Including Excavation and Backfill	\$210.00	\$4,200.00
33	510-AWRJ6	30	LF	Factory Restrained Joint Pipe, 6-inch Dia., Class 350 Ductile Iron, (all depths), including excavation and backfill	\$110.00	\$3,300.00

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34	510-AWRJ8	60	LF	Factory Restrained Joint Pipe, 8-inch Dia., Class 350 Ductile Iron, (all depths), including excavation and backfill	\$110.00	\$6,600.00
35	510-AW12	210	LF	Pipe, 12-inch Dia., Class 350 Ductile Iron (all depths), including excavation and backfill	\$125.00	\$26,250.00
36	510-AWW8	150	LF	Pipe, 8-inch Dia., SDR-26 PVC (all depths), including excavation and backfill	\$125.00	\$18,750.00
37	510-AWW24	60	LF	Pipe, 24-inch Dia., SDR-26 PVC (all depths), including excavation and backfill	\$212.00	\$12,720.00
38	510-BWW	3	EA	Connecting New Wastewater Service to Existing Private Service	\$2,000.00	\$6,000.00
39	510-FW	8	LF	Concrete Trench Cap, 3 Ft. Width	\$25.00	\$200.00
40	510-FWW-1	8	LF	Concrete Trench Cap, 3 Ft. Width	\$25.00	\$200.00
41	510-FWW-2	10	LF	Concrete Trench Cap, 5 Ft. Width	\$30.00	\$300.00
42	510-JW6x6	1	EA	Wet Connections, 6 In. Dia. x 6 In. Dia.	\$2,000.00	\$2,000.00
43	510-JW8x8	2	EA	Wet Connections, 8 In. Dia. x 8 In. Dia.	\$2,500.00	\$5,000.00
44	510-KW	0.5	TON	Ductile Iron Fittings, 4-inch through 24-inch	\$5,000.00	\$2,500.00
45	511-A	2	EA	Gate Valves, 12 in	\$2,700.00	\$5,400.00
46	559S-4x3	30	LF	Precast Concrete Box Culverts, 4 Ft. x 3 Ft.	\$155.00	\$4,650.00
47	559S-7x4	174	LF	Precast Concrete Box Culverts, 7 Ft. x 4 Ft.	\$400.00	\$69,600.00
48	605S-A-C	6,269	SY	Soil Retention Blanket, Class I, Type C, complete and in place	\$3.00	\$18,807.00
49	605S-A-F	462	SY	Soil Retention Blanket, Class 2, Type F	\$12.00	\$5,544.00
50	605S-A-G	2,482	SY	Soil Retention Blanket, Class II, Type G, complete and in place	\$11.00	\$27,302.00
51	623S	656	SF	Dry Stack Rock Wall	\$35.00	\$22,960.00
52	628S-C	10	EA	Filter Curb Inlet Protection (New Inlet)	\$150.00	\$1,500.00
53	628S-D	3	EA	Filter Curb Inlet Protection (Existing Inlet)	\$150.00	\$450.00
54	639S	26	LF	Rock Berm	\$25.00	\$650.00
55	641S	3	EA	Stabilized Construction Entrance	\$1,500.00	\$4,500.00
56	642S	574	LF	Silt Fence	\$3.50	\$2,009.00
57	648S	102	LF	Mulch Sock	\$4.50	\$459.00
58	700S-TM	1	LS	Total Mobilization Payment	\$139,000.00	\$139,000.00
59	701S-A	1,282	LF	Chain Link Fence, 4-Feet High (Galvanized)	\$20.00	\$25,640.00
60	701S-CS	2	EA	Chain Link Fence Vehicular Swing Gate (12 Foot x 6 Foot)	\$650.00	\$1,300.00
61	701S-E	537	LF	Wood Fence, 6-Feet High (Residential Privacy)	\$30.00	\$16,110.00
62	701S-T	587	LF	Temporary Fence, 6-feet High, Chain Link	\$7.00	\$4,109.00
63	802S-BCIP	3	EA	Project Sign	\$600.00	\$1,800.00
64	803S-MO	12	MO	Barricades, Signs, & Traffic Handling	\$4,000.00	\$48,000.00
65	SP591S-B	3,406	CY	Dry Rock Riprap	\$81.00	\$275,918.40
66	SP602S-E	411	SY	Common Bermuda Sod, Solid	\$6.75	\$2,774.25

No.	Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
67	SP602S-F	2,168	SY	Buffalo Grass Sod w/ Blue Gramma Overseed	\$9.00	\$19,512.00
68	SP604S-C	2,960	SY	Native Seeding for Erosion Control Method, Fiber Mulch	\$3.00	\$8,880.00
69	SP609S-I	2,963	EA	1 Gal. Rooted Plants (SP609S-I Per Table 2)	\$15.00	\$44,445.00
70	SP609S-J	6,460	SY	Native Grassland Seeding (SP609S-J Per Table 3)	\$2.25	\$14,535.00
71	SP610S-A	2,558	LF	Protective Fencing Type A Chain Link Fence	\$5.50	\$14,069.00
72	SP610S-B	50	LF	Protective Fencing Type B Wood Fence	\$12.00	\$600.00
73	SP610S-E	1	LS	Trim, Fertilize, Mulch and Water Existing Trees within	\$28,500.00	\$28,500.00
74	SS13000	8,624	SF	MSE Slopes, complete and in place	\$45.00	\$388,080.00
75	SS13001	922	LF	MSE Footing, complete and in place	\$155.00	\$142,910.00
76	SS02441	1	LS	Temporary Irrigation System	\$75,000.00	\$75,000.00
77	SS02490-A	4	EA	Pecan, 3" caliper tree	\$560.00	\$2,240.00
78	SS02490-A	8	EA	Texas Ash, 3" caliper tree	\$560.00	\$4,480.00
79	SS02490-A	8	EA	American Sycamore, 3" caliper tree	\$560.00	\$4,480.00
80	SS02490-A	3	EA	Live Oak, 3" caliper tree	\$560.00	\$1,680.00
81	SS02490-A	4	EA	Western Soapberry, 3" caliper tree	\$560.00	\$2,240.00
82	SS02490-A	7	EA	Bald Cypress, 3" caliper tree	\$560.00	\$3,920.00
83	SS02490-A	5	EA	American Elm, 3" caliper tree	\$560.00	\$2,800.00
84	SS02490-A	5	EA	Cedar Elm, 3" caliper tree	\$560.00	\$2,800.00
85	SS02490-B	5	EA	Black Walnut, 2" caliper tree	\$455.00	\$2,275.00
86	SS02490-B	6	EA	Texas Buckeye, 2" caliper tree	\$330.00	\$1,980.00
87	SS02490-B	6	EA	Texas Redbud, 2" caliper tree	\$380.00	\$2,280.00
88	SS02490-B	10	EA	Eastern Persimmon, 2" caliper tree	\$380.00	\$3,800.00
89	SS02490-B	10	EA	Mexican Plum, 2" caliper tree	\$380.00	\$3,800.00
90	SS02490-B	2	EA	Lacey Oak, 2" caliper tree	\$405.00	\$810.00
91	SS02490-B	4	EA	Mexican Buckeye, 2" caliper tree	\$380.00	\$1,520.00
92	SS02490-B	2	EA	Osage Orange, 2" caliper tree	\$430.00	\$860.00
93	SS02490-C	18	EA	Roughleaf Dogwood, 1" caliper tree	\$155.00	\$2,790.00
94	SS02490-C	21	EA	Kidneywood, 1" caliper tree	\$180.00	\$3,780.00
95	SS02490-C	8	EA	Carolina Buckthorn, 1" caliper	\$205.00	\$1,640.00
96	SS02490-D	402	EA	5 Gal. Shrubs	\$43.00	\$17,286.00
97	SS02980-A	12	MO	Landscape Establishment - Year 1	\$4,000.00	\$48,000.00
98	SS02980-B	24	MO	Landscape Maintenance - Years 2&3	\$2,500.00	\$60,000.00
99	SS02980-C	10,450	TG	Watering	\$5.00	\$52,250.00

No.	Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
100	SS2990	360	DAY	Cofferdam and Site Dewatering	\$115.00	\$41,400.00
101	SS5416-A	250	LF	DRILLED SHAFT (30 IN)	\$110.00	\$27,500.00
102	SS5416-B	120	LF	DRILLED SHAFT (36 IN)	\$120.00	\$14,400.00
103	SS5420-A	14	CY	CL C CONC (BENT)	\$550.00	\$7,700.00
104	SS5420-B	6	CY	CL C CONC (COLUMN)	\$450.00	\$2,520.00
105	SS5420-C	34	CY	CL C CONC (ABUT)	\$550.00	\$18,810.00
106	SS5420-D	73	CY	CL S CONC (SLAB)	\$450.00	\$32,625.00
107	SS5420-E	48	CY	CL S CONC (APPR SLAB)	\$350.00	\$16,800.00
108	SS5420-F	31	CY	CL C CONC (SIDEWALK/CURB)	\$350.00	\$10,850.00
109	SS5425-A	267	LF	PRESTR CONC SLAB BEAM (4SB15)	\$150.00	\$40,050.00
110	SS5425-B	712	LF	PRESTR CONC SLAB BEAM (5SB15)	\$155.00	\$110,360.00
111	SS5428-A	600	SY	CONC SURF TREAT (CLASS II)	\$3.00	\$1,800.00
112	SS5442-A	420	LB	STRUCTURAL STEEL(MISC NON-BRIDGE)	\$10.00	\$4,200.00
113	SS5450-A	204	LF	RAILING (TY C411)	\$100.00	\$20,400.00
114	SS5454-A	60	LF	JOINT SEALANT	\$14.00	\$840.00
115	SS9000	1	EA	Permanent Channel Access Ramp	\$11,000.00	\$11,000.00

TOTAL \$2,925,299.65