

**Table 1**  
**San Antonio Creek Fish Passage Improvements**  
**Alternative A2 - Double Box Culvert**  
**Engineer's Estimate of Probable Costs**

Item No.	Description	Unit	Est. Qty.	Unit Price	Total
1	<b>Mobilization</b>	LS	1	\$ 8,000.00	\$ 8,000
2	<b>Demolition - Existing Culvert Structure</b>	LS	1	\$ 5,000.00	\$ 5,000
3	<b>Site Work</b>				
	a. Footing Excavation	CY	60	\$ 60.00	\$ 3,600
	b. Gravel/Cobble Backfill	CY	40	\$ 120.00	\$ 4,800
	c. Planted Rock Riprap	Tons	120	\$ 110.00	\$ 13,200
	<i>Sub-total for Items 3a thru 3c</i>				<b>\$ 21,600</b>
4	<b>Concrete Work</b>				
	a. (2) 3' x 3' x 15' Reinforced Concrete Footings	CY	10	\$ 1,500.00	\$ 15,000
	b. (2) 18" x 6' x 12' Reinforced Concrete Piers	CY	8	\$ 1,500.00	\$ 12,000
	c. (2) 8" x 12' x 12' Removable Reinforced Concrete Decks	EA	2	\$ 7,500.00	\$ 15,000
	<i>Sub-total for Items 4a thru 4c</i>				<b>\$ 42,000</b>
5	<b>Paving (2" AC Overlay)</b>	SF	1000	\$ 5.00	\$ 5,000
6	<b>SWPPP &amp; Erosion Control</b>				
	a. Prepare & Implement SWPPP	LS	1	\$ 2,500.00	\$ 2,500
	b. Dewater/Water management	Days	10	\$ 750.00	\$ 7,500
	c. Site Cleanup & Restoration	LS	1	\$ 2,500.00	\$ 2,500
	<i>Sub-total for Items 6a thru 6c</i>				\$ 12,500
	<b>CONSTRUCTION SUBTOTAL</b>				<b>\$ 89,100</b>
7	<b>Final Design</b>	EA	1	\$ 7,500	\$ 7,500
8	<b>Environmental Review &amp; Permitting</b>	EA	1	\$ 9,000	\$ 9,000
9	<b>Construction Management</b>	EA	1	\$ 2,000	\$ 2,000
10	<b>Biological Monitoring /Pre-construction Surveys</b>	EA	1	\$ 2,000	\$ 2,000
	<b>PROFESSIONAL SERVICES SUBTOTAL</b>				<b>\$ 20,500</b>
	<b>25% CONTINGENCY</b>				<b>\$ 27,400</b>
	<b>TOTAL PROJECT COST</b>				<b>\$ 137,000</b>