

Table 2
San Antonio Creek Fish Passage Improvements
Alternative A3 - Arched Culvert
Engineer's Estimate of Probable Costs

Item No.	Description	Unit	Est. Qty.	Unit Price	Total
1	Mobilization	LS	1	\$ 8,000.00	\$ 8,000
2	Demolition - Existing Culvert Structure	LS	1	\$ 5,000.00	\$ 5,000
3	Site Work				
	a. Footing Excavation	CY	40	\$ 60.00	\$ 2,400
	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>				\$ 20,400
4	Concrete Work				
	a. (2) 3' x 3' x 24' Reinforced Concrete Footings	CY	16	\$ 1,500.00	\$ 24,000
	b. Pre-Cast Concrete Arch - Installed	EA	1	\$ 20,000.00	\$ 20,000
	c. Pre-Cast Concrete Wing Walls - Installed	EA	4	\$ 7,500.00	\$ 30,000
	<i>Sub-total for Items 4a thru 4c</i>				\$ 74,000
5	Paving (2" AC Overlay)	SF	1000	\$ 5.00	\$ 5,000
6	SWPPP & Erosion Control				
	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
CONSTRUCTION SUBTOTAL					\$ 119,900
7	Final Design	EA	1	\$ 7,500	\$ 7,500
8	Environmental Review & Permitting	EA	1	\$ 9,000	\$ 9,000
9	Construction Management	EA	1	\$ 2,000	\$ 2,000
10	Biological Monitoring /Pre-construction Surveys	EA	1	\$ 2,000	\$ 2,000
PROFESSIONAL SERVICES SUBTOTAL					\$ 20,500
25% CONTINGENCY					\$ 35,100
TOTAL PROJECT COST					\$ 175,500