

Havasupai Wash #3

Wash Stabilization Improvements

Engineers Opinion of Probable Costs



Kimley»Horn

	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1 DRAINAGE					
1.1	Channel Excavation	CY	24,700	\$15.00	\$ 370,500.00
1.2	Cement Stabilized Alluvium (CSA)	CY	14,263	\$50.00	\$ 713,200.00
1.3	Concrete Grade Control Structure	EA	9	\$40,000.00	\$ 360,000.00
1.4	Controlled Low Strength Material Backfill	CY	510	\$100.00	\$ 51,000.00
1.5	Imported Fill Construction	CY	12,350	\$30.00	\$ 370,500.00
1.6	Permanent Bollard	EA	12	\$200.00	\$ 2,400.00
1.7	Dumped Riprap	SY	20	\$150.00	\$ 3,000.00
SUBTOTAL					\$ 1,867,600.00
2 MISC					
2.1	Construction Staking	LSUM	1	\$29,000.00	\$ 29,000.00
2.2	Contractor Quality Control	LSUM	1	\$57,000.00	\$ 57,000.00
2.3	Clearing and Grubbing	LSUM	1	\$19,000.00	\$ 19,000.00
2.4	Mobilization (10%)	LSUM	1	\$225,000.00	\$ 225,000.00
2.5	Storm Water Pollution Prevention Plan	LSUM	1	\$19,000.00	\$ 19,000.00
2.6	Environmental Control Measures	LSUM	1	\$19,000.00	\$ 19,000.00
2.7	Traffic Control	LSUM	1	\$10,000.00	\$ 10,000.00
2.8	Force Account - General	LSUM	1	\$94,000.00	\$ 94,000.00
2.9	Contingency (10%)	LSUM	1	\$187,000.00	\$ 187,000.00
SUBTOTAL					\$ 554,000.00
Total Direct Costs:					\$ 2,421,600.00