

# Detailed Project Costs

Activity	Unit	Cost/Unit	Quantity	Total
Furnish Steel Sheet Pile	TON	\$3,000	965	\$2,895,000
Install Steel Sheet Pile	EA	\$2,000	603	\$1,206,000
Flowable Fill	CY	\$100	2100	\$210,000
Furnish and Install Concrete Cap	CY	\$2,250	1820	\$4,095,000
Repair Existing Pile Cap	LF	\$400	1500	\$600,000
Remove and Reinstall UHMW-PE Fenders	LF	\$600	1285	\$771,000
Replacement of NE Corner Wheel Fender Assembly	LS	\$55,017	1	\$55,017
Refurbish Existing Bollards	EA	\$1,250	22	\$27,500
Remove and Reinstall Bull Rail	LF	\$100	1154	\$115,400
New Bull Rail	LF	\$200	196	\$39,200
Furnish & Install Soil Anchors	EA	\$40,000	120	\$4,800,000
Soil Anchor Testing	EA	\$15,000	8	\$120,000
Excavation and Backfill	CY	\$120	900	\$108,000
Asphalt Paving/Patching	SY	\$150	110	\$16,500
Remove and Reinstall Riprap at NE Corner	CY	\$100	30	\$3,000
Furnish & Install Riprap at SE Corner	CY	\$180	150	\$27,000
Furnish HP18 King Pile	TON	\$2,500	72	\$180,000
Install HP18 King Pile	EA	\$6,500	12	\$78,000
Furnish and Install PC Concrete Panels	CY	\$2,500	120	\$300,000
Furnish & Install Tie Rods at SE Corner	EA	\$7,500	6	\$45,000
Furnish & Install Concrete Deadman and Tunnel Closure	CY	\$1,200	30	\$36,000
SE Corner Concrete Tunnel Demo	CY	\$400	30	\$12,000
Subtotal				\$15,739,616
Mobilization (10%)				\$1,573,962
Contingency (10%)				\$1,573,962
<b>TOTAL</b>				<b>\$18,887,540</b>
<b>PID Request (79%)</b>				<b>\$14,921,158</b>
<b>Local Match/Contribution (21%)</b>				<b>\$3,966,382</b>