

1. Penn Dam Presentation - OHM

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[CITY OF YPSILANTI PENINSULAR DAM PRESENTATION.PDF](#)



City of Ypsilanti Peninsular Dam

by OHM-Advisors

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2/20/2019

OPINION OF PROBABLE COST

ITEM CODE	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	COST
1	Mobilization	LS	1	\$ 26,200.00	\$ 26,200.00
2	Tree & Brush Removal - Left Embankment	LS	1	\$ 2,700.00	\$ 2,700.00
3	Tree & Brush Removal - Right Embankment/Abutment Wall	LS	1	\$ 1,600.00	\$ 1,600.00
4	Tree & Brush Removal - Auxiliary Spillway	LS	1	\$ 2,100.00	\$ 2,100.00
5	Slope Restoration, Fill & Stabilize Erosion Area	LS	1	\$ 4,200.00	\$ 4,200.00
6	Right Spillway Abutment Wall Repair/Resurfacing	LS	1	\$ 3,600.00	\$ 3,600.00
7	Principal Spillway Repair/Resurfacing	LS	1	\$ 63,600.00	\$ 63,600.00
8	Plunge Pool Pad Repairs	LS	1	\$ 1,800.00	\$ 1,800.00
9	Left Spillway Abutment Wall Reconstruction	LS	1	\$ 78,000.00	\$ 78,000.00
10	Dewatering for Spillway Repairs	LS	1	\$ 27,000.00	\$ 27,000.00
11	Coffer Dam for Left Spillway Abutment Wall Reconstruction	LS	1	\$ 24,000.00	\$ 24,000.00
12	Auxiliary Spillway Repairs	LS	1	\$ 126,000.00	\$ 126,000.00
13	Coffer Dam for Auxiliary Spillway Repairs	LS	1	\$ 14,400.00	\$ 14,400.00
14	Left Retaining Wall Repairs (underwater)	LS	1	\$ 5,400.00	\$ 5,400.00
15	Divider Pier Repair (including Dewatering)	LS	1	\$ 18,000.00	\$ 18,000.00
16	Fill all Powerhouse Voids with Flowable Fill	LS	1	\$ 32,400.00	\$ 32,400.00
17	Demolish Powerhouse - above ground	LS	1	\$ 79,000.00	\$ 79,000.00
18	Place Concrete Surface over Demolished Powerhouse	LS	1	\$ 9,000.00	\$ 9,000.00
19	Upgrade Concrete Surface for Safety and Use as Park Area	LS	1	\$ 30,000.00	\$ 30,000.00
SUB TOTAL					\$ 549,000.00
Contingency (20%)					\$ 109,800.00
Permitting (5%)					\$ 27,450.00
Design Engineering Services (10%)					\$ 54,900.00
Construction Engineering Services (12%)					\$ 65,880.00
TOTAL					\$ 807,030.00

ASSUMPTIONS/COMMENTS:

- Items 1 Assumes 5%
- Items 7 Assumes 400 SFT of deep chipping and Epoxy hand patch, 30 feet Poly Crack Injection, 1 CYD of Concrete Patch
- Item 9 Assumes 160 CYD of Reinforced Concrete Removal & Replacement
- Item 12 Assumes 500 SF deep & 500 SF of shallow chipping and Epoxy hand patch, 50 FT Poly Crack Injection
- Item 16 Assumes 300 CYD of flowable fill and necessary forming to block openings
- Item 18 Assume a 40 FT x 40 FT concrete surface cap over demolished building
- Unit Prices are rounded up to the hundred spot.

















