



**APMT BULKHEAD EXTENSION, SLIP FILL AND PHASE IV YARD DEVELOPMENT PROJECT
OPTION 4B & 4C
COST ESTIMATION**

ITEM	DESCRIPTION	ESTIMATED COST
1	Bulkhead Extension	\$ 10,035,112
2	Existing Pier Demolition	\$ 3,176,522
3	Slip Fill and Earth Improvements	\$ 15,575,000
4	Phase IV Yard	\$ 31,605,200
	Subtotal	\$ 60,391,834
	Engineering/CMT Testing/Construction Management	\$ 3,507,160
	Contingencies 15%	\$ 9,058,775
	Estimated Total Project Cost	\$ 72,957,769



APMT BULKHEAD EXTENSION, SLIP FILL AND PHASE IV RECLAMATION YARD PROJECT
ESTIMATED SCHEDULE OF VALUES
BULKHEAD EXTENSION

ITEM	DESCRIPTION	APPROX. QUANTITIES (IN PLACE)	UNIT PRICE	DOLLAR AMOUNT
1	Mobilization	Lump Sum	Lump Sum	\$ 500,000
2	Removal Work	Lump Sum	Lump Sum	\$ 265,000
3	Furnish AZ48 Sheet Piling	293 Tons	\$ 2,670.00 /Ton	\$ 782,310
4	Installation of AZ48 Sheet Piling	140 Ft.	\$ 953.00 /Ft.	\$ 133,420
5	Furnish PAZ 54/19-700 Comb/Wall	1353 Tons	\$ 3,042.00 /Ft.	\$ 4,115,826
6	Installation of PAZ 54/19-700 Comb Wall	696 Ft.	\$ 666.00 /Ft.	\$ 463,536
7	Furnish 24" 4:12 Batter Piles	2048 Ft.	\$ 96.50 /Ft.	\$ 197,632
8	Install 24" 4:12 Batter Piles	2048 Ft.	\$ 101.00 /Ft.	\$ 206,848
9	Furnish 24" 6:12 Batter Piles	7434 CY	\$ 96.50 /C.Y.	\$ 717,381
10	Install 24" 6:12 Batter Piles	7434 Ft.	\$ 101.00 /Ft.	\$ 750,834
11	Concrete Work	1387 CY	\$ 975.00 /C.Y.	\$ 1,352,325
12	Drain Line Penetration	Lump Sum	Lump Sum	\$ 500,000
13	Demobilization	Lump Sum	Lump Sum	\$ 50,000
Estimated Total				\$ 10,035,112



APMT BULKHEAD EXTENSION, SLIP FILL AND PHASE IV RECLAMATION YARD PROJECT

ESTIMATED SCHEDULE OF VALUES

EXISTING PIER DEMOLITION

ITEM	DESCRIPTION	APPROX. QUANTITIES (IN PLACE)	UNIT PRICE	DOLLAR AMOUNT
1	Mobilization	Lump Sum	Lump Sum	\$ 200,000.00
2	Existing Dock Concrete Removal	Lump Sum	Lump Sum	\$ 1,947,750.00
3	Existing Dock Pile Cut Off	Lump Sum	Lump Sum	\$ 928,772.00
4	Demobilization	Lump Sum	Lump Sum	\$ 100,000.00
Estimated Total				\$ 3,176,522.00



APMT BULKHEAD EXTENSION, SLIP FILL AND PHASE IV RECLAMATION YARD PROJECT

ESTIMATED SCHEDULE OF VALUES

SLIP FILL AND EARTH IMPROVEMENTS

ITEM	DESCRIPTION	APPROX. QUANTITIES (IN PLACE)	UNIT PRICE	DOLLAR AMOUNT
1	Mobilization	Lump Sum	Lump Sum	\$ 400,000
2	Subaqueous Fill From Slip Bottom to Elevation (+)2.0	645000 CY	\$ 13.00 /C.Y.	\$ 8,385,000
3	Fill From EL(+2.0 to Elevation (+)13.0	200000 CY	\$ 12.00 /C.Y.	\$ 2,400,000
4	Earthwork Improvements	Lump Sum	Lump Sum	\$ 2,000,000
5	Site Surcharge	195000 CY	\$ 12.00 /C.Y.	\$ 2,340,000
6	Demobilization	Lump Sum	Lump Sum	\$ 50,000
Estimated Total				\$ 15,575,000



**APMT PHASE IV YARD
ESTIMATED SCHEDULE OF VALUES**

ITEM	DESCRIPTION	APPROX. QUANTITIES (IN PLACE)	UNIT PRICE	DOLLAR AMOUNT
1	Mobilization	Lump Sum	Lump Sum	\$ 500,000.00
2	Appropriate BMP + Environmental Actions	Lump Sum	Lump Sum	\$ 115,000.00
3	Relocation of Recovery Well Waste Containment Plant	Lump Sum	Lump Sum	\$ 450,000.00
4	Clear & Grub	Lump Sum	Lump Sum	\$ 80,000.00
5	Proof Rolling	Lump Sum	Lump Sum	\$ 50,000.00
6	Cut (inclusive of removal of existing surcharge)	110000 CY	\$ 8.00 /C.Y.	\$ 880,000.00
7	Fill	120000 CY	\$ 13.00 /C.Y.	\$ 1,560,000.00
8	Soil Cement	149000 SY	\$ 16.50 /S.Y.	\$ 2,458,500.00
9	RCC Paving	149000 SY	\$ 95.00 /S.Y.	\$ 14,155,000.00
10	Main Branch Drainage	Lump Sum	Lump Sum	\$ 2,250,000.00
11	Trench Drains Inclusive of Water Quality Units	Lump Sum	Lump Sum	\$ 3,500,000.00
12	Mesa Retaining Wall	18100 SF	\$ 62.00 /SF	\$ 1,122,200.00
13	Firewater Piping	Lump Sum	Lump Sum	\$ 314,000.00
14	Domestic Water Piping	Lump Sum	Lump Sum	\$ 60,000.00
15	Electrical	Lump Sum	Lump Sum	\$ 360,000.00
16	Substation	Lump Sum	Lump Sum	\$ 200,000.00
17	Light Pole Foundations	11 Ea	\$ 50,000.00 Ea	\$ 550,000.00
18	Highmast Light Poles & Fixtures	11 Ea	\$ 155,000.00 Ea	\$ 1,705,000.00
19	Striping and Pavement Markings	Lump Sum	Lump Sum	\$ 265,000.00
20	Fencing	Lump Sum	Lump Sum	\$ 225,000.00
21	Bollards	50 Ea	\$ 2,180.00 /Bollard	\$ 109,000.00
22	Row Signs	26 Ea	\$ 2,750.00 /Block	\$ 71,500.00
23	All remaining items for a complete job installation	Lump Sum	Lump Sum	\$ 575,000.00
24	Demolition	Lump Sum	Lump Sum	\$ 50,000.00
Estimated Total				\$ 31,605,200.00