

Client: City of Port Richey
 Project: North Bay Boulevard Dredging - 1 Bridge Option
 Project Number: C2008-053-03

Prepared by: RJW
 Date: November 23, 2009
 Reviewed by: RJD

**Preliminary Opinion of Probable Cost for
 Engineering, Dredging, Offloading, DMMA Site Repair Costs**

#	Item	Quantity		Unit Cost		Total
1	Environmental Permitting ¹	1	LS	\$ 140,000	EA	\$ 140,000
2	Geotechnical Exploration ²	1	LS	\$ 18,000	EA	\$ 18,000
3	Sediment Chemistry Analysis ³	1	LS	\$ 10,000	EA	\$ 10,000
4	Surveying ⁴	1	LS	\$ 15,000	EA	\$ 15,000
5	Project Meetings and Coordination ⁵	1	LS	\$ 30,000	EA	\$ 30,000
6	Establish Special Assessment District & Ballot ⁶	1	LS	\$ 55,000	EA	\$ 55,000
7	Design Engineering Services ⁷	1	LS	\$ 179,000	EA	\$ 179,000
8	Construction Engineering Services ⁸	1	LS	\$ 74,000	EA	\$ 74,000
9	Mitigation ⁹	1	LS	\$ 40,000	EA	\$ 40,000
10	Pre-Dredging Survey	1	LS	\$ 35,000	EA	\$ 35,000
11	Mobilization/Demobilization	1	LS	\$ 220,000	EA	\$ 220,000
12	Bay Boulevard & Betty Street Bridge Construction ¹⁰	1	LS	\$ 954,000	EA	\$ 954,000
12	DMMA Erosion and Sedimentation Controls	1	LS	\$ 50,000	EA	\$ 50,000
13	Manatee Observer	1	LS	\$ 25,000	EA	\$ 25,000
14	Turbidity Monitoring and Control	1	LS	\$ 35,000	EA	\$ 35,000
15a	Hydraulic Dredging - Sand & Sediment	5,665	CY		per CY	\$ -
15b	Hydraulic Dredging - Rock	3,785	CY		per CY	\$ -
15c	Mechanical Dredging - Sand & Sediment	5,665	CY	\$ 27.50	per CY	\$ 155,788
15d	Mechanical Dredging - Rock	3,785	CY	\$ 42.50	per CY	\$ 160,863
16	Post-Dredging Survey	1	LS	\$ 35,000	EA	\$ 35,000
17a	Offloading and Final Disposal (Hydraulic Dredging)	9,450	CY		per CY	\$ -
17b	Offloading and Final Disposal (Mechanical Dredging)	9,450	CY	\$ 18.00	per CY	\$ 170,100
18	Information Signs and Channel Markers Instillation	1	LS	\$ 10,000	EA	\$ 10,000
19	Removing DMMA and Repairing Site	1	LS	\$ 50,000	EA	\$ 50,000

Subtotal Hydraulic Dredging	\$ -
Contingency (10%)	\$ -
Total Hydraulic Dredging	\$ -
Subtotal Mechanical Dredging	\$ 2,461,750
Contingency (10%)	\$ 246,175
Total Mechanical Dredging	\$ 2,707,925

LS = Lump Sum
 CY = Cubic Yards
 EA = Each

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Note:

estimates presented above represent a best judgment from a professional dredging firm familiar with the type of construction contemplated in this design.

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Footnotes:

- 1 Item includes costs for obtaining FDEP, USACE, and required roadway and bridge permits
- 2 Item includes geotechnical borings in channels 11, 12, 13, 23, and 30
- 3 Item includes sediment chemistry sample collection and analysis for channels 11, 12, 13, 23, 30
- 4 Item includes hydrographic surveying in channels 11, 12, 13, 23, and 30 and topographic surveying at the Bay Blvd. Bridge
- 5 Item includes costs for attending project meetings, maintaining a project website, and general project management
- 6 Item includes costs for collecting data and preparing a ballot to establish a special assessment district
- 7 Item includes costs for preparing final construction drawings and specifications and designing the Bay Blvd. Bridge
- 8 Item includes costs for assisting the City with contractor selection, construction administration services, and project closeout and certification
- 9 Item includes mitigation costs associated with FDEP ERP No. 51-0238686-002, specific conditions 30 - 45
- 10 Item includes all construction costs for bridge replacement, utility replacement, and roadway replacement for the Bay Blvd. Bridge

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