# Palm Beach County
## Department of Environmental Resources Management
## Construction Contract Bid Tabulation

**Project No.:** 2018ERM03
**Project Name:** Palm Beach County Artificial Reef and Breakwater Annual Contract
**Bid Opening:** June 19, 2018
**Contract Time:** Initial 2 years; not to exceed 3 year total Contract Term

| | | | | ERM Estimate | | Average of All Bids | Contractor A<br>Coston Marine Services, Inc. | | Contractor B<br>McCulley Marine Services | |
|---|---|---|---|---|---|---|---|---|---|---|
| | BASE BID ITEMS | QUANTITY (2 YEARS) | UNIT | UNIT COST | TOTAL COST | UNIT COST | UNIT COST | TOTAL COST | UNIT COST | TOTAL COST |
| | **General** | | | | | | | | | |
| 1 | Turbidity Curtain | 1,500 | Foot | 15.00 | 22,500.00 | 15.00 | 20.00 | 30,000.00 | 10.00 | 15,000.00 |
| 2 | Turbidity Monitoring/Reporting | 50 | Day | 200.00 | 10,000.00 | 237.50 | 275.00 | 13,750.00 | 200.00 | 10,000.00 |
| 3 | Offshore/Nearshore Mobilization[1] | 2 | Work Order | 30,000.00 | 60,000.00 | 30,000.00 | 30,000.00 | 60,000.00 | 30,000.00 | 60,000.00 |
| 4 | Inshore Mobilization[1] | 1 | Work Order | 20,000.00 | 20,000.00 | 29,000.00 | 28,000.00 | 28,000.00 | 30,000.00 | 30,000.00 |
| | **Materials Supply** | | | | | | | | | |
| 5 | Supply Limestone Armor (3' to 4' Stone) | 400 | Ton | 70.00 | 28,000.00 | 77.50 | 85.00 | 34,000.00 | 70.00 | 28,000.00 |
| 6 | Supply Limestone Armor (24" to 36" Stone) | 4,000 | Ton | 55.00 | 220,000.00 | 67.50 | 65.00 | 260,000.00 | 70.00 | 280,000.00 |
| 7 | Supply Limestone Armor (9" to 18" FDOT Riprap) | 400 | Ton | 50.00 | 20,000.00 | 65.00 | 65.00 | 26,000.00 | 65.00 | 26,000.00 |
| 8 | Supply Limestone Bedding (FDOT Bedding Stone) | 700 | Ton | 45.00 | 31,500.00 | 50.00 | 55.00 | 38,500.00 | 45.00 | 31,500.00 |
| 9 | Supply Sand | 2,200 | Ton | 20.00 | 44,000.00 | 27.50 | 35.00 | 77,000.00 | 20.00 | 44,000.00 |
| 10 | Supply Filter Fabric | 4,000 | SY | 4.00 | 16,000.00 | 3.38 | 2.75 | 11,000.00 | 4.00 | 16,000.00 |
| | **Offshore/Nearshore Limestone Reef Construction** | | | | | | | | | |
| 11 | Load/Install Limestone Armor (3' to 4' Stone) | 400 | Ton | 55.00 | 22,000.00 | 68.00 | 70.00 | 28,000.00 | 66.00 | 26,400.00 |
| 12 | Transport Limestone Armor (3' to 4' Stone)[2] | 4,000 | Ton-Mile | 2.00 | 8,000.00 | 1.75 | 1.50 | 6,000.00 | 2.00 | 8,000.00 |
| | **Donated Concrete Reef Materials** | | | | | | | | | |
| 13 | Load/Install Donated Concrete Reef Materials | 200 | Ton | 70.00 | 14,000.00 | 87.50 | 75.00 | 15,000.00 | 100.00 | 20,000.00 |
| 14 | Load/Install Reef Materials with Crane and Diver | 2,380 | Ton | 150.00 | 357,000.00 | 190.00 | 180.00 | 428,400.00 | 200.00 | 476,000.00 |
| 15 | Transport Concrete Reef Materials[2] | 22,370 | Ton-Mile | 2.00 | 44,740.00 | 3.75 | 3.50 | 78,295.00 | 4.00 | 89,480.00 |
| | **Inshore Breakwater/Reef Construction** | | | | | | | | | |
| 16 | Load/Install Filter Fabric | 4,000 | SY | 5.00 | 20,000.00 | 4.75 | 5.00 | 20,000.00 | 4.50 | 18,000.00 |
| 17 | Load/Install Bedding Stone | 700 | Ton | 40.00 | 28,000.00 | 39.50 | 45.00 | 31,500.00 | 34.00 | 23,800.00 |
| 18 | Load/Install Armor Stone | 4,400 | Ton | 45.00 | 198,000.00 | 43.00 | 45.00 | 198,000.00 | 41.00 | 180,400.00 |
| 19 | Transport All Materials[2] | 24,960 | Ton-Mile | 1.00 | 24,960.00 | 1.13 | 1.25 | 31,200.00 | 1.00 | 24,960.00 |
| | **Miscellaneous Inshore Construction** | | | | | | | | | |
| 20 | Load/Install Sand | 2,200 | Ton | 10.00 | 22,000.00 | 16.50 | 18.00 | 39,600.00 | 15.00 | 33,000.00 |
| 21 | Transport Sand[2] | 15,400 | Ton-Mile | 1.00 | 15,400.00 | 1.13 | 1.25 | 19,250.00 | 1.00 | 15,400.00 |
| 22 | Supply Prestressed 14" Square Concrete Piles | 60 | LF | 30.00 | 1,800.00 | 29.00 | 40.00 | 2,400.00 | 18.00 | 1,080.00 |
| 23 | Supply 12" Steel Pipe Piles | 60 | LF | 30.00 | 1,800.00 | 85.00 | 125.00 | 7,500.00 | 45.00 | 2,700.00 |
| 24 | Load/Install Piling into Sand Embedment | 3 | Each | 2,500.00 | 7,500.00 | 2,824.50 | 2,800.00 | 8,400.00 | 2,849.00 | 8,547.00 |
| 25 | Load/Install Piling into Rock Embedment | 3 | Each | 2,500.00 | 7,500.00 | 3,246.00 | 3,000.00 | 9,000.00 | 3,492.00 | 10,476.00 |
| | | | **BASE BID** | | $ 1,244,700.00 | $ 1,489,769.00 | | $ 1,500,795.00 | | $ 1,478,743.00 |

**(1) Mobilization costs include demobilization. Mobilization costs shall be allowed once for Offshore/Nearshore Work Orders with overlapping construction schedules and once for Inshore Work Orders with overlapping construction schedules .**

**(2) Transport ton-miles will be calculated as outlined in Section 23 of the Technical Specifications.**

All bids are subject to approval by the BCC.
Numbers in ***bold italic*** indicate a calculation correction.