

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

11/13/2013 rev.

Project No.: 2013ERM01

Project Name: Palm Beach County Dune and Wetland Restoration Annual Contract

Bid Opening: October 29, 2013

Contract Time: 12 months with optional extensions not to exceed 36 months

				ERM Estimate		Average of All Bids	Eastman Aggregates Enterprises LLC	
	BASE BID ITEMS (DUNE RESTORATION)	QUANTITY (1st Year)	UNIT	UNIT COST	TOTAL COST	UNIT COST	UNIT COST	TOTAL COST
1	SUPPLY SAND	100,000	TON	\$ 9.45	\$ 945,000.00	\$ 9.84	\$ 9.91	\$ 991,000.00
2	TRANSPORT AND DELIVERY (FIRST TON-MILE)	155,700	TON-MILE	1.41	219,537.00	1.45	1.34	208,638.00
3	TRANSPORT AND DELIVERY (ADDITIONAL TON-MILE)	SEE "A" BELOW	TON-MILE	0.17	1,173,221.00	0.16	0.15	1,155,195.00
4	CONVEYING OF MATERIAL (INITIAL 300' WITH HOPPER/UNLOADER)	135,000	TON	0.76	102,600.00	1.38	1.43	193,050.00
5	ADDITIONAL 100' OF CONVEYOR	10,000	TON	0.57	5,700.00	1.07	2.20	22,000.00
6	BEACH PLACE AND GRADE (<1000' FROM ACCESS)	50,000	TON	2.10	105,000.00	2.06	2.00	100,000.00
7	BEACH PLACE AND GRADE (1000'-2000' FROM ACCESS)	20,000	TON	3.29	65,800.00	2.97	3.12	62,400.00
8	BEACH PLACE AND GRADE (>2000' FROM ACCESS)	5,000	TON	3.97	19,850.00	3.56	3.78	18,900.00
9	SITE PREPARATION & RESTORATION	5	WORK ORDER	1,361.00	6,805.00	1,674.33	1,298.00	6,490.00
10	SUPPLY, DELIVERY AND INSTALLATION OF SOD	8,000	SY	2.10	16,800.00	2.15	2.20	17,600.00
11	REPAIR/REPLACE IRRIGATION	200	LF	2.38	476.00	3.67	2.20	440.00
12	SCARP MANAGEMENT	8,500	LF	0.28	2,380.00	0.80	0.44	3,740.00
13	COMPACTION MANAGEMENT	5,000	SY	0.11	550.00	0.44	0.11	550.00
14	DEBRIS REMOVAL	70	TON	24.95	1,746.50	66.75	49.50	3,465.00
15	MAINTENANCE OF TRAFFIC	3	WORK ORDER	1,361.00	4,083.00	1,337.67	1,298.00	3,894.00
16	CERTIFIED SAND QUALITY TESTING	75	SAMPLING EVENT	340.00	25,500.00	282.33	319.00	23,925.00
	BASE BID ITEMS (WETLANDS AND SUBMERGED AQUATIC HABITAT RESTORATION)	QUANTITY (1st Year)	UNIT	UNIT COST	TOTAL COST	UNIT COST	UNIT COST	TOTAL COST
17	EXCAVATION TO GRADE AND LOAD	80,500	CY (IN-BANK)	\$ 1.70	136,850.00	\$ 1.47	\$ 1.65	\$ 132,825.00
18	MATERIAL GRADING	25,000	CY (IN-BANK)	0.60	15,000.00	0.96	0.83	20,750.00
19	MATERIAL BROADCASTING	35,000	TON	1.40	49,000.00	9.00	10.73	375,550.00
20	LOAD FOR OFFSITE TRANSPORT	10,000	TON	0.45	4,500.00	0.77	0.83	8,300.00
21	WETLAND/TRANSPORT, PLACE AND GRADE (<500' FROM SOURCE)	55,000	TON	2.10	115,500.00	2.09	2.00	110,000.00
22	WETLAND/TRANSPORT, PLACE AND GRADE (500'-1000' FROM SOURCE)	35,000	TON	2.55	89,250.00	2.53	2.42	84,700.00
23	WETLAND/TRANSPORT, PLACE AND GRADE (>1000' FROM SOURCE)	10,000	TON	3.40	34,000.00	3.19	3.23	32,300.00
24	SUPPLY/INSTALL FILTER FABRIC	150,000	SF	0.23	34,500.00	0.47	0.25	37,500.00
25	SUPPLY/INSTALL BEDDING STONE	3,000	TON	28.35	85,050.00	49.72	32.65	97,950.00
26	SUPPLY/INSTALL ARMOR STONE	8,300	TON	79.38	658,854.00	70.73	31.43	260,869.00
27	SUPPLY/ FABRICATE/ INSTALL MARINE MATTRESS	200	SY	40.00	8,000.00	149.53	17.60	3,520.00
28	INSTALL PRECAST CONCRETE MODULES	200	TON	15.00	3,000.00	127.83	27.50	5,500.00
29	SUPPLY/INSTALL/MAINTAIN TURBIDITY CURTAIN	10,000	LF	11.34	113,400.00	10.32	10.82	108,200.00
30	TURBIDITY MONITORING/REPORTING	450	DAY	226.80	102,060.00	150.00	198.00	89,100.00
BASE BID				\$ 4,144,012.50			\$ 4,178,351.00	

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Numbers in **bold italic** indicate a calculation correction.

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	ALTERNATE BID ITEMS - MISCELLANEOUS	QUANTITY (1st Year)	UNIT	ERM Estimate		Average of All Bids	Eastman Aggregates Enterprises LLC	
				UNIT COST	TOTAL COST	UNIT COST	UNIT COST	TOTAL COST
1	DEWATERING	35	DAY	\$ 1,020.60	\$ 35,721.00	\$ 718.33	\$ 800.00	\$ 28,000.00
2	ADDITIONAL 100' DEWATERING PIPE	14	DAY	453.60	6,350.40	280.33	385.00	5,390.00
3	HAUL ROAD CONSTRUCTION	1,000	LF	14.18	14,180.00	15.17	14.85	14,850.00
4	HAUL ROAD REMOVAL	1,000	LF	4.54	4,540.00	4.65	4.40	4,400.00
5	SUPPLY/INSTALL SILT FENCE	10,000	LF	1.13	11,300.00	1.10	1.19	11,900.00
6	CUT AND FILL PRE/POST-CONSTRUCTION SURVEY TEAM	4	WORK ORDER	1,962.40	7,849.60	6,700.00	5,000.00	20,000.00
7	PREMIUM FOR DAVIS-BACON ACT (WAGE RATE) COMPLIANCE	SEE BELOW	% OF WORK ORDER	1.00%	21,740.23	0.33%	0.00%	-
				ALTERNATE BID	\$ 101,681.23		\$ 84,540.00	
				BASE BID + ALTERNATE BID	\$ 4,245,693.73		\$ 4,262,891.00	

QUANTITY CALCULATION FOR BASE BID ITEM 3

A	DISTANCE FROM BIDDER'S SAND SOURCE TO PBC GOVERNMENT CENTER, 301 N. OLIVE AVENUE, WPB, FL 33401	65	MILES
	QUANTITY FOR BASE BID ITEM 3 = ((A - 1 MILES) * 100,000 TONS) + (9 MILES * 55,700 TONS)	6,901,300.00	TON-MILES

	73	MILES
	7,701,300.00	TON-MILES

QUANTITY CALCULATION FOR ALTERNATE BID ITEM 7

QUANTITY FOR ALTERNATE BID ITEM = GRASSY FLATS WORK ORDER COST BEFORE PREMIUM = (60,000 * Line Item #1) + (60,000 * Line Item #2) + (60,000 * (A-1) * Line Item #3) + (100,000 * Line Item #4) + (1 * Line Item #9) + (50 * Line Item #16) + (30,000 * Line Item #17) + (35,000 * Line Item #19) + (35,000 * Line Item #21) + (15,000 * Line Item #22) + (75,000 * Line Item #24) + (1,000 * Line Item #25) + (5,000 * Line Item #26) + (5,000 * Line Item #29) + (250 * Line Item #30) + (5,000 * Alt. Line Item #5) + (1 * Alt. Line Item #6) =	\$ 2,174,023.40
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\$ 2,337,698.00

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Project No.: 2013ERM01

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				Rio-Bak Corporation		Arbor Tree & Land, Inc.	
	BASE BID ITEMS (DUNE RESTORATION)	QUANTITY (1st Year)	UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1	SUPPLY SAND	100,000	TON	\$ 9.10	\$ 910,000.00	\$ 10.50	\$ 1,050,000.00
2	TRANSPORT AND DELIVERY (FIRST TON-MILE)	155,700	TON-MILE	1.50	233,550.00	1.50	233,550.00
3	TRANSPORT AND DELIVERY (ADDITIONAL TON-MILE)	SEE "A" BELOW	TON-MILE	0.15	1,140,195.00	0.17	1,275,221.00
4	CONVEYING OF MATERIAL (INITIAL 300' WITH HOPPER/UNLOADER)	135,000	TON	1.31	176,850.00	1.40	189,000.00
5	ADDITIONAL 100' OF CONVEYOR	10,000	TON	0.35	3,500.00	0.65	6,500.00
6	BEACH PLACE AND GRADE (<1000' FROM ACCESS)	50,000	TON	2.07	103,500.00	2.10	105,000.00
7	BEACH PLACE AND GRADE (1000'-2000' FROM ACCESS)	20,000	TON	2.78	55,600.00	3.00	60,000.00
8	BEACH PLACE AND GRADE (>2000' FROM ACCESS)	5,000	TON	3.54	17,700.00	3.35	16,750.00
9	SITE PREPARATION & RESTORATION	5	WORK ORDER	2,525.00	12,625.00	1,200.00	6,000.00
10	SUPPLY, DELIVERY AND INSTALLATION OF SOD	8,000	SY	2.06	16,480.00	2.20	17,600.00
11	REPAIR/REPLACE IRRIGATION	200	LF	5.80	1,160.00	3.00	600.00
12	SCARP MANAGEMENT	8,500	LF	1.11	9,435.00	0.85	7,225.00
13	COMPACTION MANAGEMENT	5,000	SY	0.66	3,300.00	0.55	2,750.00
14	DEBRIS REMOVAL	70	TON	75.75	5,302.50	75.00	5,250.00
15	MAINTENANCE OF TRAFFIC	3	WORK ORDER	1,515.00	4,545.00	1,200.00	3,600.00
16	CERTIFIED SAND QUALITY TESTING	75	SAMPLING EVENT	303.00	22,725.00	225.00	16,875.00
	BASE BID ITEMS (WETLANDS AND SUBMERGED AQUATIC HABITAT RESTORATION)	QUANTITY (1st Year)	UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
17	EXCAVATION TO GRADE AND LOAD	80,500	CY (IN-BANK)	\$ 1.52	\$ 122,360.00	\$ 1.25	\$ 100,625.00
18	MATERIAL GRADING	25,000	CY (IN-BANK)	1.26	31,500.00	0.80	20,000.00
19	MATERIAL BROADCASTING	35,000	TON	3.28	114,800.00	13.00	455,000.00
20	LOAD FOR OFFSITE TRANSPORT	10,000	TON	1.06	10,600.00	0.41	4,100.00
21	WETLAND/TRANSPORT, PLACE AND GRADE (<500' FROM SOURCE)	55,000	TON	2.27	124,850.00	2.00	110,000.00
22	WETLAND/TRANSPORT, PLACE AND GRADE (500'-1000' FROM SOURCE)	35,000	TON	2.78	97,300.00	2.40	84,000.00
23	WETLAND/TRANSPORT, PLACE AND GRADE (>1000' FROM SOURCE)	10,000	TON	3.33	33,300.00	3.00	30,000.00
24	SUPPLY/INSTALL FILTER FABRIC	150,000	SF	0.42	63,000.00	0.75	112,500.00
25	SUPPLY/INSTALL BEDDING STONE	3,000	TON	41.50	124,500.00	75.00	225,000.00
26	SUPPLY/INSTALL ARMOR STONE	8,300	TON	88.75	736,625.00	92.00	763,600.00
27	SUPPLY/ FABRICATE/ INSTALL MARINE MATTRESS	200	SY	267.00	53,400.00	164.00	32,800.00
28	INSTALL PRECAST CONCRETE MODULES	200	TON	256.00	51,200.00	100.00	20,000.00
29	SUPPLY/INSTALL/MAINTAIN TURBIDITY CURTAIN	10,000	LF	12.15	121,500.00	8.00	80,000.00
30	TURBIDITY MONITORING/REPORTING	450	DAY	152.00	68,400.00	100.00	45,000.00
BASE BID				\$ 4,469,802.50		\$ 5,078,546.00	

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	ALTERNATE BID ITEMS - MISCELLANEOUS	QUANTITY (1st Year)	UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1	DEWATERING	35	DAY	\$ 655.00	\$ 22,925.00	\$ 700.00	\$ 24,500.00
2	ADDITIONAL 100' DEWATERING PIPE	14	DAY	106.00	1,484.00	350.00	4,900.00
3	HAUL ROAD CONSTRUCTION	1,000	LF	15.65	15,650.00	15.00	15,000.00
4	HAUL ROAD REMOVAL	1,000	LF	5.55	5,550.00	4.00	4,000.00
5	SUPPLY/INSTALL SILT FENCE	10,000	LF	1.25	12,500.00	0.85	8,500.00
6	CUT AND FILL PRE/POST-CONSTRUCTION SURVEY TEAM	4	WORK ORDER	10,100.00	40,400.00	5,000.00	20,000.00
7	PREMIUM FOR DAVIS-BACON ACT (WAGE RATE) COMPLIANCE	SEE BELOW	% OF WORK ORDER	0.00%	-	1.00%	28,504.50
				ALTERNATE BID	\$ 98,509.00		\$ 105,404.50
				BASE BID + ALTERNATE BID	\$ 4,568,311.50		\$ 5,183,950.50

QUANTITY CALCULATION FOR BASE BID ITEM 3

A	DISTANCE FROM BIDDER'S SAND SOURCE TO PBC GOVERNMENT CENTER, 301 N. OLIVE AVENUE, WPB, FL 33401	72	MILES	71	MILES
	QUANTITY FOR BASE BID ITEM 3 = ((A - 1 MILES) * 100,000 TONS) + (9 MILES * 55,700 TONS)	7,601,300.00	TON-MILES	7,501,300.00	TON-MILES

QUANTITY CALCULATION FOR ALTERNATE BID ITEM 7

QUANTITY FOR ALTERNATE BID ITEM = GRASSY FLATS WORK ORDER COST BEFORE PREMIUM = (60,000 * Line Item #1) + (60,000 * Line Item #2) + (60,000 * (A-1) * Line Item #3) + (100,000 * Line Item #4) + (1 * Line Item #9) + (50 * Line Item #16) + (30,000 * Line Item #17) + (35,000 * Line Item #19) + (35,000 * Line Item #21) + (15,000 * Line Item #22) + (75,000 * Line Item #24) + (1,000 * Line Item #25) + (5,000 * Line Item #26) + (5,000 * Line Item #29) + (250 * Line Item #30) + (5,000 * Alt. Line Item #5) + (1 * Alt. Line Item #6) =	\$ 2,337,075.00		\$ 2,850,450.00
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