

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

7/27/2018

Project No.: 2018ERM01
Project Name: Palm Beach County Dune and Beach Restoration Annual Contract (Federalized)
Bid Opening: June 12, 2018
Contract Time: Initial 2 years; not to exceed 3 year total Contract Term

BASE BID ITEMS	QUANTITY (2 YEARS)	UNIT	ERM Estimate		Average of All Bids UNIT COST	Contractor A Eastman Aggregate Enterprises, LLC		Contractor B Rio-Bak Corporation	
			UNIT COST	TOTAL COST		UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1 SUPPLY SAND	347,034	TON	\$ 10.36	\$ 3,595,272.24	\$ 10.88	\$ 8.83	\$ 3,064,310.22	\$ 10.50	\$ 3,643,857.00
2 TRANSPORT AND DELIVERY OF MATERIAL (FIRST TON-MILE) ¹	355,034	TON-MILE	1.40	497,047.60	1.35	1.36	482,846.24	1.20	426,040.80
3 TRANSPORT AND DELIVERY OF MATERIAL (ADDITIONAL TON-MILE) ^{SEE "A" BELOW}		TON-MILE	0.16	3,997,831.68	0.20	0.18	5,247,154.08	0.18	5,315,866.81
4 CONVEYING OF MATERIAL (INITIAL 300' WITH HOPPER/UNLOADER)	98,500	TON	1.49	146,765.00	3.29	2.00	197,000.00	1.85	182,225.00
5 ADDITIONAL 100' OF CONVEYOR	26,000	TON	2.30	59,800.00	2.33	2.23	57,980.00	2.15	55,900.00
6 BEACH PLACE AND GRADE (<1000' FROM ACCESS)	194,820	TON	2.09	407,173.80	3.39	2.95	574,719.00	3.03	590,304.60
7 BEACH PLACE AND GRADE (1000'-2000' FROM ACCESS)	107,068	TON	3.26	349,041.68	3.95	3.65	390,798.20	3.56	381,162.08
8 BEACH PLACE AND GRADE (2000'-3000' FROM ACCESS)	40,446	TON	3.95	159,761.70	4.83	4.41	178,366.86	4.55	184,029.30
9 BEACH PLACE AND GRADE (>3000' FROM ACCESS)	3,000	TON	4.64	13,920.00	6.24	8.00	24,000.00	4.55	13,650.00
10 SITE PREPARATION & RESTORATION	13	CONSTRUCTION ACCESS	1,360.00	17,680.00	3,999.61	1,317.47	17,127.11	2,500.00	32,500.00
11 SUPPLY, DELIVERY, AND INSTALLATION OF SOD	3,850	SY	2.30	8,855.00	3.98	6.75	25,987.50	3.17	12,204.50
12 REPAIR/REPLACE IRRIGATION	200	LF	2.30	460.00	14.87	5.00	1,000.00	15.86	3,172.00
13 SCARP MANAGEMENT	7,500	LF	0.46	3,450.00	1.30	0.45	3,375.00	0.85	6,375.00
14 COMPACTION MANAGEMENT	3,400	SY	0.11	374.00	1.04	0.11	374.00	1.00	3,400.00
15 DEBRIS REMOVAL	239	TON	52.00	12,428.00	56.50	50.24	12,007.36	60.00	14,340.00
16 MAINTENANCE OF VEHICULAR AND PEDESTRIAN TRAFFIC	5	WORK ORDER	1,360.00	6,800.00	7,526.54	2,500.00	12,500.00	15,000.00	75,000.00
17 CERTIFIED SAND QUALITY TESTING	141	SAMPLING EVENT	350.00	49,350.00	384.66	323.79	45,654.39	422.97	59,638.77
18 EXCAVATION TO GRADE AND LOAD FOR ONSITE TRANSPORT	6,250	CY (IN-BANK)	1.72	10,750.00	1.90	2.25	14,062.50	1.06	6,625.00
19 LOAD FOR OFFSITE TRANSPORT	8,000	TON	0.87	6,960.00	1.28	0.84	6,720.00	1.06	8,480.00
20 MATERIAL GRADING	2,000	CY (IN-BANK)	0.87	1,740.00	1.06	0.84	1,680.00	2.23	4,460.00
21 TURBIDITY CONTROL AND MONITORING	105	DAY	210.00	22,050.00	628.47	650.00	68,250.00	150.00	15,750.00
BASE BID			\$ 9,367,510.70		\$ 12,075,349.30	\$ 10,425,912.46		\$ 11,034,980.86	
ALTERNATE BID ITEMS	QUANTITY	UNIT	UNIT COST	TOTAL COST	UNIT COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1A HAUL ROAD CONSTRUCTION	340	LF	\$ 16.00	\$ 5,440.00	\$ 15.14	\$ 18.00	\$ 6,120.00	\$ 15.00	\$ 5,100.00
2A HAUL ROAD REMOVAL	340	LF	5.00	1,700.00	13.74	4.47	1,519.80	15.00	5,100.00
3A TEMPORARY ROAD MAT SYSTEM	6	10 MATS/WEEK	400.00	2,400.00	1,123.57	1,000.00	6,000.00	600.00	3,600.00
4A SAND SCREENER	8,000	TON	2.00	16,000.00	4.38	9.50	76,000.00	2.00	16,000.00
5A SUPPLY/INSTALL SILT FENCE	140	LF	1.40	196.00	3.91	2.00	280.00	7.32	1,024.80
6A PRE-/POST-CONSTRUCTION SURVEY	26	TRANSECT	400.00	10,400.00	2,666.99	1,100.00	28,600.00	1,000.00	26,000.00
ALTERNATE BID			\$ 36,136.00		\$ 121,455.24	\$ 118,519.80		\$ 56,824.80	
BASE BID + ALTERNATE BID			\$ 9,403,646.70		\$ 12,196,804.54	\$ 10,544,432.26		\$ 11,091,805.66	

¹It is expected that COUNTY-supplied sand shall be used to augment the sand quantity for various projects at the COUNTY's discretion. For bidding purposes, the COUNTY has included an additional 4,000 tons of COUNTY-supplied sand, within 1 mile of the project, in Line Item 2 for Various Dune Projects in each year.

QUANTITY CALCULATION FOR BASE BID ITEM 3

A DISTANCE FROM BIDDER'S SAND SOURCE TO PBC VISTA CTR, 2300 N JOG ROAD, WPB, FL 33411-2743	73	MILES
QUANTITY FOR BASE BID ITEM 3 = (A - 1 MILES) * 347,034 TONS	24,986,448	TON-MILES

VULCAN	85	MILES
	29,150,856	TON-MILES

JAHNA/ORTANA (85)	86.1	MILES
	29,532,593.4	TON-MILES

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

7/27/2018

Project No.: 2018ERM01

Project Name: Palm Beach County Dune and Beach Restoration Annual Contract (Federalized)

Bid Opening: June 12, 2018

Contract Time: Initial 2 years; not to exceed 3 year total Contract Term

	BASE BID ITEMS	QUANTITY (2 YEARS)	UNIT	ERM Estimate		West Construction, Inc.		Southern Disaster Recovery, LLC		Phillips & Jordan, Inc.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1	SUPPLY SAND	347,034	TON	\$ 10.36	\$ 3,595,272.24	\$ 12.47	\$ 4,327,513.98	\$ 12.30	\$ 4,268,518.20	\$ 10.29	\$ 3,570,979.86
2	TRANSPORT AND DELIVERY OF MATERIAL (FIRST TON-MILE) ¹	355,034	TON-MILE	1.40	497,047.60	1.74	617,759.16	0.60	213,020.40	1.83	649,712.22
3	TRANSPORT AND DELIVERY OF MATERIAL (ADDITIONAL TON-MILE) ^{SEE "A" BELOW}		TON-MILE	0.16	3,997,831.68	0.21	6,121,679.76	0.23	6,792,496.48	0.20	5,830,171.20
4	CONVEYING OF MATERIAL (INITIAL 300' WITH HOPPER/UNLOADER)	98,500	TON	1.49	146,765.00	1.62	159,570.00	1.20	118,200.00	9.79	964,315.00
5	ADDITIONAL 100' OF CONVEYOR	26,000	TON	2.30	59,800.00	2.75	71,500.00	1.20	31,200.00	3.34	86,840.00
6	BEACH PLACE AND GRADE (<1000' FROM ACCESS)	194,820	TON	2.09	407,173.80	2.46	479,257.20	3.60	701,352.00	4.89	952,669.80
7	BEACH PLACE AND GRADE (1000'-2000' FROM ACCESS)	107,068	TON	3.26	349,041.68	3.66	391,868.88	4.00	428,272.00	4.90	524,633.20
8	BEACH PLACE AND GRADE (2000'-3000' FROM ACCESS)	40,446	TON	3.95	159,761.70	4.82	194,949.72	4.60	186,051.60	5.75	232,564.50
9	BEACH PLACE AND GRADE (>3000' FROM ACCESS)	3,000	TON	4.64	13,920.00	6.54	19,620.00	5.50	16,500.00	6.59	19,770.00
10	SITE PREPARATION & RESTORATION	13	CONSTRUCTION ACCESS	1,360.00	17,680.00	1,800.00	23,400.00	6,750.00	87,750.00	7,630.59	99,197.67
11	SUPPLY, DELIVERY, AND INSTALLATION OF SOD	3,850	SY	2.30	8,855.00	2.64	10,164.00	4.50	17,325.00	2.82	10,857.00
12	REPAIR/REPLACE IRRIGATION	200	LF	2.30	460.00	3.04	608.00	1.20	240.00	49.27	9,854.00
13	SCARP MANAGEMENT	7,500	LF	0.46	3,450.00	1.10	8,250.00	3.40	25,500.00	0.71	5,325.00
14	COMPACTION MANAGEMENT	3,400	SY	0.11	374.00	0.16	544.00	0.35	1,190.00	3.57	12,138.00
15	DEBRIS REMOVAL	239	TON	52.00	12,428.00	92.40	22,083.60	26.70	6,381.30	53.14	12,700.46
16	MAINTENANCE OF VEHICULAR AND PEDESTRIAN TRAFFIC	5	WORK ORDER	1,360.00	6,800.00	1,932.00	9,660.00	4,200.00	21,000.00	14,000.70	70,003.50
17	CERTIFIED SAND QUALITY TESTING	141	SAMPLING EVENT	350.00	49,350.00	474.00	66,834.00	335.00	47,235.00	367.52	51,820.32
18	EXCAVATION TO GRADE AND LOAD FOR ONSITE TRANSPORT	6,250	CY (IN-BANK)	1.72	10,750.00	2.28	14,250.00	1.20	7,500.00	2.69	16,812.50
19	LOAD FOR OFFSITE TRANSPORT	8,000	TON	0.87	6,960.00	1.07	8,560.00	1.00	8,000.00	2.41	19,280.00
20	MATERIAL GRADING	2,000	CY (IN-BANK)	0.87	1,740.00	1.32	2,640.00	0.40	800.00	0.51	1,020.00
21	TURBIDITY CONTROL AND MONITORING	105	DAY	210.00	22,050.00	270.00	28,350.00	1.40	147.00	2,070.93	217,447.65
BASE BID					\$ 9,367,510.70	\$ 12,579,062.30		\$ 12,978,678.98		\$ 13,358,111.88	
	ALTERNATE BID ITEMS	QUANTITY	UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1A	HAUL ROAD CONSTRUCTION	340	LF	\$ 16.00	\$ 5,440.00	\$ 20.40	\$ 6,936.00	\$ 11.20	\$ 3,808.00	\$ 11.08	\$ 3,767.20
2A	HAUL ROAD REMOVAL	340	LF	5.00	1,700.00	6.07	2,063.80	17.80	6,052.00	25.34	8,615.60
3A	TEMPORARY ROAD MAT SYSTEM	6	MATS/WEEK	400.00	2,400.00	600.00	3,600.00	2,200.00	13,200.00	1,217.83	7,306.98
4A	SAND SCREENER	8,000	TON	2.00	16,000.00	6.90	55,200.00	1.40	11,200.00	2.08	16,640.00
5A	SUPPLY/INSTALL SILT FENCE	140	LF	1.40	196.00	1.68	235.20	1.75	245.00	6.81	953.40
6A	PRE-/POST-CONSTRUCTION SURVEY	26	TRANSECT	400.00	10,400.00	6,240.00	162,240.00	778.00	20,228.00	4,216.94	109,640.44
ALTERNATE BID					\$ 36,136.00	\$ 230,275.00		\$ 54,733.00		\$ 146,923.62	
BASE BID + ALTERNATE BID					\$ 9,403,646.70	\$ 12,809,337.30		\$ 13,033,411.98		\$ 13,505,035.50	

¹It is expected that COUNTY-supplied sand shall be used to augment the sand quantity for various projects at the COUNTY's discretion. For bidding purposes included an additional 4,000 tons of COUNTY-supplied sand, within 1 mile of the project, in Line Item 2 for Various Dune Projects in each year.

QUANTITY CALCULATION FOR BASE BID ITEM 3

A	DISTANCE FROM BIDDER'S SAND SOURCE TO PBC VISTA CTR, 2300 N JOG ROAD, W/PB, FL 33411-2743	73	MILES
	QUANTITY FOR BASE BID ITEM 3 = (A - 1 MILES) * 347,034 TONS	24,986,448	TON-MILES

VULCAN (72)	
85	MILES
29,150,856	TON-MILES

JAHNA/ORTANA (92)	
86.1	MILES
29,532,593.4	TON-MILES

VULCAN	
85	MILES
29,150,856	TON-MILES