

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

7/26/2018

**Project No.:** 2018ERM02  
**Project Name:** Palm Beach County Dune and Beach Restoration Annual Contract  
**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	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	\$ 10.53	\$ 8.83	\$ 3,064,310.22	\$ 10.50	\$ 3,643,857.00
2 TRANSPORT AND DELIVERY OF MATERIAL (FIRST TON-MILE) <sup>1</sup>	355,034	TON-MILE	1.40	497,047.60	1.29	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	<b>5,315,866.81</b>
4 CONVEYING OF MATERIAL (INITIAL 300' WITH	98,500	TON	1.49	146,765.00	3.75	2.00	197,000.00	1.85	182,225.00
5 ADDITIONAL 100' OF CONVEYOR	26,000	TON	2.30	59,800.00	2.25	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	3.64	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	4.05	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	4.85	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	6.20	8.00	24,000.00	4.55	13,650.00
10 SITE PREPARATION & RESTORATION	13	CONSTRUCTION ACCESS	1,360.00	17,680.00	4,588.78	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	4.32	6.75	25,987.50	3.17	12,204.50
12 REPAIR/REPLACE IRRIGATION	200	LF	2.30	460.00	18.09	5.00	1,000.00	15.86	3,172.00
13 SCARP MANAGEMENT	7,500	LF	0.46	3,450.00	1.36	0.45	3,375.00	0.85	6,375.00
14 COMPACTION MANAGEMENT	3,400	SY	0.11	374.00	1.28	0.11	374.00	1.00	3,400.00
15 DEBRIS REMOVAL	239	TON	52.00	12,428.00	47.79	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	8,997.22	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	364.21	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	1.81	2.25	14,062.50	1.06	6,625.00
19 LOAD FOR OFFSITE TRANSPORT	8,000	TON	0.87	6,960.00	1.34	0.84	6,720.00	1.06	8,480.00
20 MATERIAL GRADING	2,000	CY (IN-BANK)	0.87	1,740.00	1.00	0.84	1,680.00	2.23	4,460.00
21 TURBIDITY CONTROL AND MONITORING	105	DAY	210.00	22,050.00	728.74	650.00	68,250.00	150.00	15,750.00
<b>BASE BID</b>			<b>\$ 9,367,510.70</b>	<b>\$ 12,070,367.45</b>	<b>\$ 10,425,912.46</b>	<b>\$ 11,034,980.86</b>			
<b>ALTERNATE BID ITEMS</b>			<b>UNIT COST</b>	<b>UNIT COST</b>	<b>UNIT COST</b>	<b>UNIT COST</b>			
1A HAUL ROAD CONSTRUCTION	340	LF	\$ 16.00	\$ 5,440.00	\$ 13.82	\$ 18.00	\$ 6,120.00	\$ 15.00	\$ 5,100.00
2A HAUL ROAD REMOVAL	340	LF	5.00	1,700.00	15.65	4.47	1,519.80	15.00	5,100.00
3A TEMPORARY ROAD MAT SYSTEM	6	10 MATS/WEEK	400.00	2,400.00	1,254.46	1,000.00	6,000.00	600.00	3,600.00
4A SAND SCREENER	8,000	TON	2.00	16,000.00	3.75	9.50	76,000.00	2.00	16,000.00
5A SUPPLY/INSTALL SILT FENCE	140	LF	1.40	196.00	4.47	2.00	280.00	7.32	1,024.80
6A PRE-/POST-CONSTRUCTION SURVEY	26	TRANSECT	400.00	10,400.00	1,773.74	1,100.00	28,600.00	1,000.00	26,000.00
<b>ALTERNATE BID</b>			<b>\$ 36,136.00</b>	<b>\$ 94,250.31</b>	<b>\$ 118,519.80</b>	<b>\$ 56,824.80</b>			
<b>BASE BID + ALTERNATE BID</b>			<b>\$ 9,403,646.70</b>	<b>\$ 12,164,617.75</b>	<b>\$ 10,544,432.26</b>	<b>\$ 11,091,805.66</b>			

<sup>1</sup>It 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 33411-274	73	MILES
QUANTITY FOR BASE BID ITEM 3 = (A - 1 MILES) * 347,034 TONS	24,986,448	TON-MILES

<b>VULCAN</b>	85	MILES
	29,150,856	TON-MILES

<b>JAHNA/ORTANA (85)</b>	86.1	MILES
	29,532,593	TON-MILES

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BASE BID ITEMS	QUANTITY (2 YEARS)	UNIT	ERM Estimate		Southern Disaster Recovery, LLC		Phillips & Jordan, Inc.	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1 SUPPLY SAND	347,034	TON	\$ 10.36	\$ 3,595,272.24	\$ 12.30	\$ 4,268,518.20	\$ 10.50	\$ 3,643,857.00
2 TRANSPORT AND DELIVERY OF MATERIAL (FIRST TON-MILE) <sup>1</sup>	355,034	TON-MILE	1.40	497,047.60	0.60	213,020.40	1.99	706,517.66
3 TRANSPORT AND DELIVERY OF MATERIAL (ADDITIONAL TON-MILE) SEE "A" BELOW		TON-MILE	0.16	3,997,831.68	0.23	<b>6,792,496.48</b>	0.21	6,121,679.76
4 CONVEYING OF MATERIAL (INITIAL 300' WITH	98,500	TON	1.49	146,765.00	1.20	118,200.00	9.96	981,060.00
5 ADDITIONAL 100' OF CONVEYOR	26,000	TON	2.30	59,800.00	1.20	31,200.00	3.40	88,400.00
6 BEACH PLACE AND GRADE (<1000' FROM ACCESS)	194,820	TON	2.09	407,173.80	3.60	701,352.00	4.99	972,151.80
7 BEACH PLACE AND GRADE (1000'-2000' FROM ACCESS)	107,068	TON	3.26	349,041.68	4.00	428,272.00	4.99	534,269.32
8 BEACH PLACE AND GRADE (2000'-3000' FROM ACCESS)	40,446	TON	3.95	159,761.70	4.60	186,051.60	5.85	236,609.10
9 BEACH PLACE AND GRADE (>3000' FROM ACCESS)	3,000	TON	4.64	13,920.00	5.50	16,500.00	6.73	20,190.00
10 SITE PREPARATION & RESTORATION	13	CONSTRUCTION ACCESS	1,360.00	17,680.00	6,750.00	87,750.00	7,787.66	101,239.58
11 SUPPLY, DELIVERY, AND INSTALLATION OF SOD	3,850	SY	2.30	8,855.00	4.50	17,325.00	2.87	11,049.50
12 REPAIR/REPLACE IRRIGATION	200	LF	2.30	460.00	1.20	240.00	50.28	10,056.00
13 SCARP MANAGEMENT	7,500	LF	0.46	3,450.00	3.40	25,500.00	0.72	5,400.00
14 COMPACTION MANAGEMENT	3,400	SY	0.11	374.00	0.35	1,190.00	3.64	12,376.00
15 DEBRIS REMOVAL	239	TON	52.00	12,428.00	26.70	6,381.30	54.23	12,960.97
16 MAINTENANCE OF VEHICULAR AND PEDESTRIAN TRAFFIC	5	WORK ORDER	1,360.00	6,800.00	4,200.00	21,000.00	14,288.86	71,444.30
17 CERTIFIED SAND QUALITY TESTING	141	SAMPLING EVENT	350.00	49,350.00	335.00	47,235.00	375.09	52,887.69
18 EXCAVATION TO GRADE AND LOAD FOR ONSITE TRANSPORT	6,250	CY (IN-BANK)	1.72	10,750.00	1.20	7,500.00	2.74	17,125.00
19 LOAD FOR OFFSITE TRANSPORT	8,000	TON	0.87	6,960.00	1.00	8,000.00	2.46	19,680.00
20 MATERIAL GRADING	2,000	CY (IN-BANK)	0.87	1,740.00	0.40	800.00	0.51	1,020.00
21 TURBIDITY CONTROL AND MONITORING	105	DAY	210.00	22,050.00	1.40	147.00	2,113.56	221,923.80
<b>BASE BID</b>				\$ 9,367,510.70	<b>\$ 12,978,678.98</b>		<b>\$ 13,841,897.48</b>	
ALTERNATE BID ITEMS	QUANTITY	UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1A HAUL ROAD CONSTRUCTION	340	LF	\$ 16.00	\$ 5,440.00	\$ 11.20	\$ 3,808.00	\$ 11.08	\$ 3,767.20
2A HAUL ROAD REMOVAL	340	LF	5.00	1,700.00	17.80	6,052.00	25.34	8,615.60
3A TEMPORARY ROAD MAT SYSTEM	6	10 MATS/WEEK	400.00	2,400.00	2,200.00	13,200.00	1,217.83	7,306.98
4A SAND SCREENER	8,000	TON	2.00	16,000.00	1.40	11,200.00	2.08	16,640.00
5A SUPPLY/INSTALL SILT FENCE	140	LF	1.40	196.00	1.75	245.00	6.81	953.40
6A PRE-/POST-CONSTRUCTION SURVEY	26	TRANSECT	400.00	10,400.00	778.00	20,228.00	4,216.94	109,640.44
<b>ALTERNATE BID</b>				\$ 36,136.00	<b>\$ 54,733.00</b>		<b>\$ 146,923.62</b>	
<b>BASE BID + ALTERNATE BID</b>				\$ 9,403,646.70	<b>\$ 13,033,411.98</b>		<b>\$ 13,988,821.10</b>	

<sup>1</sup>It 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.

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