



Morgan & Eklund, Inc.

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Vero Beach, Florida 32967

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November 13, 2020
(Revised December 8, 2020)

Indian River County
Public Works Coastal Division
Attn: Mr. Eric Charest, Natural Resources Manager
1801 27th Street
Vero Beach, FL 32960

**RE: 2021 Winter Semi-Annual Indian River County Coastal Monitoring Survey;
Onshore/Offshore Profiles along FDEP Range Lines R-15 to R-119 (excluding R-21 to
R-39)**

Dear Eric:

Morgan & Eklund, Inc. is pleased to provide you with the following proposal to furnish professional land and hydrographic survey services for the above referenced project.

Beach profiles will include R-15 through R-119, a total of 105 profile lines. All data collected will be in accordance with the FDEP-approved Physical Monitoring Plan. Morgan & Eklund, Inc. will provide the County with beach profile data in ASCII file format together with AutoCAD drawings signed by the surveyor. We will also provide FDEP submittal package. The survey will be performed in January/February 2021 with drawings and reports completed in April 2021.

In accordance with the scope of work as provided, I estimate our costs to be as follows:

I. Sector 3 (R-15 to R-60, excluding R-21 to R-39), 27 Onshore/Offshore Profile Lines)

Chief Surveyor 2.5 hours @ \$135/hr.....\$	337.50
Senior Project Manager 12 hours @ \$95/hr.....\$	1,140.00
Hydrographic Lead Surveyor 10 hours @ \$85/hr.....\$	850.00

Survey Technician (Boat)	
10 hours @ \$55/hr.....	\$ 550.00
Three Man Survey Crew	
51 hours @ \$135/hr.....	\$ 6,885.00
26' Parker Survey Boat	
1.5 days @ \$600/day.....	\$ 900.00
Motion Compensator	
1.5 days @ \$200/day.....	\$ 300.00
Digital Fathometer	
1.5 days @ \$85/day.....	\$ 127.50
Hypack Navigation Software & Computer	
1.5 days @ \$50/day.....	\$ 75.00
Trimble RTK	
5 days @ \$450/day.....	\$ 2,250.00
Beach UTV	
5 days @ \$75/day.....	\$ 375.00
Senior Survey Computer Technician	
15 hours @ \$85/hr.....	\$ 1,275.00
Total I.....	\$ 15,065.00

II. Sector 5 (R-65 to R-91, 27 Onshore/Offshore Lines)

Chief Surveyor	
2.5 hours @ \$135/hr.....	\$ 337.50
Senior Project Manager	
12 hours @ \$95/hr.....	\$ 1,140.00
Hydrographic Lead Surveyor	
10 hours @ \$85/hr.....	\$ 850.00
Survey Technician (Boat)	
10 hours @ \$55/hr.....	\$ 550.00
Three Man Survey Crew	
51 hours @ \$135/hr.....	\$ 6,885.00
26' Parker Survey Boat	
1.5 days @ \$600/day.....	\$ 900.00

Motion Compensator 1.5 days @ \$200/day.....	\$	300.00
Digital Fathometer 1.5 days @ \$85/day.....	\$	127.50
Hypack Navigation Software & Computer 1.5 days @ \$50/day.....	\$	75.00
Trimble RTK 5 days @ \$450/day.....	\$	2,250.00
Beach UTV 5 days @ \$75/day.....	\$	375.00
Senior Survey Computer Technician 15 hours @ \$85/hr.....	\$	1,275.00
Total II	\$	15,065.00

III. Sector 7 (R-97 to R-108, 12 Onshore/Offshore Lines)

Chief Surveyor 2 hours @ \$135/hr.....	\$	270.00
Senior Project Manager 7 hours @ \$95/hr.....	\$	665.00
Hydrographic Lead Surveyor 5 hours @ \$85/hr.....	\$	425.00
Survey Technician (Boat) 5 hours @ \$55/hr.....	\$	275.00
Three Man Survey Crew 26 hours @ \$135/hr.....	\$	3,510.00
26' Parker Survey Boat ½ day @ \$600/day	\$	300.00
Motion Compensator ½ day @ \$200/day	\$	100.00
Digital Fathometer ½ day @ \$85/day	\$	42.50
Hypack Navigation Software & Computer ½ day @ \$50/day	\$	25.00
Trimble RTK 2 days @ \$450/day.....	\$	900.00

Beach UTV		
2 days @ \$75/day.....	\$	150.00
Senior Survey Computer Technician		
8 hours @ \$85/hr.....	\$	680.00
Total III.....	\$	7,342.50

IV. Countywide (R-61 to R-64, R-92 to R-96, and R-109 to R-119, 20 Onshore/Offshore Lines)

Chief Surveyor		
2 hours @ \$135/hr.....	\$	270.00
Senior Project Manager		
9.5 hours @ \$95/hr.....	\$	902.50
Hydrographic Lead Surveyor		
9 hours @ \$85/hr.....	\$	765.00
Survey Technician (Boat)		
9 hours @ \$55/hr.....	\$	495.00
Three Man Survey Crew		
40 hours @ \$135/hr.....	\$	5,400.00
26' Parker Survey Boat		
1 day @ \$600/day	\$	600.00
Motion Compensator		
1 day @ \$200/day	\$	200.00
Digital Fathometer		
1 day @ \$85/day	\$	85.00
Hypack Navigation Software & Computer		
1 day @ \$50/day	\$	50.00
Trimble RTK		
3.5 days @ \$450/day.....	\$	1,575.00
Beach UTV		
3.5 days @ \$75/day.....	\$	262.50
Senior Survey Computer Technician		
14 hours @ \$85/hr.....	\$	1,190.00
Total IV	\$	11,795.00

TOTAL COST I-IV\$ 49,267.50

As always, Morgan & Eklund, Inc. is looking forward to working with you and Indian River County on this project.

Sincerely,

David W.
Coggin

Digitally signed by David W. Coggin
DN: cn=David W. Coggin, o=Morgan and
Eklund Inc. ou,
email=dcoggin@morganeklund.com, c=US
Date: 2020.12.08 09:14:54 -05'00'

David W. Coggin, PSM
Vice President

DWC:dmc

Billing: project will be invoiced monthly based on percentage completed