



Morgan & Eklund, Inc.

4909 US Highway 1
Vero Beach, Florida 32967

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November 4, 2021

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

**RE: 2022 Winter Semi-Annual Indian River County Coastal Monitoring Survey;
Onshore/Offshore Profiles along FDEP Range Lines R-15 to R-119 (excluding R-40 to
R-55)**

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 (excluding R-40 to R-55), a total of 89 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 2022 with drawings and reports completed in April 2022.

In accordance with the scope of work as provided, our prices will be as follows:

I. Sector 3 (R-15 to R-60, excluding R-40 to R-55), 30 Onshore/Offshore Profile Lines)

Chief Surveyor 5 hours @ \$135/hr.....\$	675.00
Senior Project Manager 14 hours @ \$95/hr.....\$	1,330.00
Assistant Project Manager 3 hours @ \$50/hr.....\$	150.00

Hydrographic Lead Surveyor 13 hours @ \$85/hr.....	\$ 1,105.00
Survey Technician (Boat) 13 hours @ \$55/hr.....	\$ 715.00
Party Chief 3 hours @ \$75/hr.....	\$ 225.00
Three Man Survey Crew 56 hours @ \$135/hr.....	\$ 7,560.00
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 5.5 days @ \$450/day.....	\$ 2,475.00
Beach UTV 5.5 days @ \$75/day.....	\$ 412.50
Senior Survey Computer Technician 17 hours @ \$85/hr.....	\$ 1,445.00
Total I.....	\$ 17,495.00

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
Assistant Project Manager 2 hours @ \$50/hr.....	\$ 100.00
Hydrographic Lead Surveyor 11 hours @ \$85/hr.....	\$ 935.00

Survey Technician (Boat)		
11 hours @ \$55/hr.....	\$	605.00
Party Chief		
2 hours @ \$75/hr.....	\$	150.00
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	\$	15,455.00

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
Assistant Project Manager		
1 hour @ \$50/hr	\$	50.00
Hydrographic Lead Surveyor		
6 hours @ \$85/hr.....	\$	510.00
Survey Technician (Boat)		
6 hours @ \$55/hr.....	\$	330.00
Party Chief		
1 hour @ \$75/hr	\$	75.00

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.....	\$	7,607.50

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
Assistant Project Manager 1.5 hour @ \$50/hr	\$	75.00
Hydrographic Lead Surveyor 10 hours @ \$85/hr.....	\$	850.00
Survey Technician (Boat) 10 hours @ \$55/hr.....	\$	550.00
Party Chief 1.5 hours @ \$75/hr.....	\$	112.50
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	\$	12,122.50

TOTAL COST I-IV\$ 52,680.00

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

Sincerely,

**David W.
Coggin**

David W. Coggin, PSM
Vice President

Digitally signed by David W. Coggin
DN: cn=David W. Coggin, o=Morgan
and Eklund Inc, ou,
email=dcoggin@morganeklund.com
, c=US
Date: 2021.11.04 14:53:33 -04'00'

DWC:dmc

Billing: project will be invoiced monthly based on percentage completed