



Morgan & Eklund, Inc.

4909 US Highway 1
Vero Beach, Florida 32967

Phone: 772-388-5364
Fax: 772-388-3165

October 4, 2023
(Rev. October 9, 2023)

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

**RE: 2024 Winter Semi-Annual Indian River County Coastal Monitoring Survey;
Onshore/Offshore Profiles along FDEP Range Lines R-15 to R-119**

Dear Eric:

Morgan & Eklund, Inc. (M&E) 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 beach profile lines. All data collected will be in accordance with the FDEP-approved Physical Monitoring Plan. M&E 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 2024 with drawings and reports completed by the end of March 2024.

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

I. Sector 3 (R-15 to R-60, 46 Onshore/Offshore Profile Lines)

Chief Surveyor 4 hours @ \$171/hr.....	\$	684.00
Senior Project Manager 9 hours @ \$132/hr.....	\$	1,188.00
Assistant Project Manager 1.5 hours @ \$85/hr.....	\$	127.50
Hydrographic Lead Surveyor 16 hours @ \$107/hr.....	\$	1,712.00

Survey Technician (Boat)	
16 hours @ \$82/hr.....	\$ 1,312.00
Three Man Survey Crew	
76 hours @ \$180/hr.....	\$ 13,680.00
26' Parker Survey Boat	
2 days @ \$600/day.....	\$ 1,200.00
Trimble MPS500 Inert System	
2 days @ \$500/day.....	\$ 1,000.00
Single Beam Digital Fathometer	
2 days @ \$100/day.....	\$ 200.00
Hypack Navigation Software & Computer	
2 days @ \$120/day.....	\$ 240.00
Trimble RTK	
8 days @ \$450/day.....	\$ 3,600.00
Beach UTV	
8 days @ \$100/day.....	\$ 800.00
Senior Survey Computer Technician	
18 hours @ \$103/hr.....	\$ 1,854.00
Total I	\$ 27,597.50

II. Sector 4 (R-61 to R-64, 4 Onshore/Offshore Profile Lines)

Chief Surveyor	
1 hour @ \$171/hr.....	\$ 171.00
Senior Project Manager	
1 hour @ \$132/hr.....	\$ 132.00
Assistant Project Manager	
.5 hour @ \$85/hr.....	\$ 42.50
Hydrographic Lead Surveyor	
2 hours @ \$107/hr.....	\$ 214.00
Survey Technician (Boat)	
2 hours @ \$82/hr.....	\$ 164.00
Three Man Survey Crew	
5 hours @ \$180/hr.....	\$ 900.00
26' Parker Survey Boat	
.25 day @ \$600/day.....	\$ 150.00

Trimble MPS500 Inert System		
.25 day @ \$500/day	\$	125.00
Single Beam Digital Fathometer		
.25 day @ \$100/day	\$	25.00
Hypack Navigation Software & Computer		
.25 day @ \$120/day	\$	30.00
Trimble RTK		
.5 day @ \$450/day	\$	225.00
Beach UTV		
.5 day @ \$100/day	\$	50.00
Senior Survey Computer Technician		
2 hours @ \$103/hr.....	\$	206.00
Total II.....	\$	2,434.50

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

Chief Surveyor		
2 hours @ \$171/hr.....	\$	342.00
Senior Project Manager		
6 hours @ \$132/hr.....	\$	792.00
Assistant Project Manager		
1 hour @ \$85/hr.....	\$	85.00
Hydrographic Lead Surveyor		
9 hours @ \$107/hr.....	\$	963.00
Survey Technician (Boat)		
9 hours @ \$82/hr	\$	738.00
Three Man Survey Crew		
45 hours @ \$180/hr.....	\$	8,100.00
26' Parker Survey Boat		
1.25 days @ \$600/day.....	\$	750.00
Trimble MPS500 Inert System		
1.25 days @ \$500/day.....	\$	625.00
Single Beam Digital Fathometer		
1.25 days @ \$100/day.....	\$	125.00

Hypack Navigation Software & Computer 1.25 days @ \$120/day.....	\$	150.00
Trimble RTK 4.5 days @ \$450/day.....	\$	2,025.00
Beach UTV 4.5 days @ \$100/day.....	\$	450.00
Senior Survey Computer Technician 12 hours @ \$103/hr.....	\$	1,236.00
Total III	\$	16,381.00

IV. Countywide (R-92 to R-119, 28 Onshore/Offshore Lines)

Chief Surveyor 2 hours @ \$171/hr.....	\$	342.00
Senior Project Manager 6 hours @ \$132/hr.....	\$	792.00
Assistant Project Manager 1 hour @ \$85/hr.....	\$	85.00
Hydrographic Lead Surveyor 9.5 hours @ \$107/hr.....	\$	1,016.50
Survey Technician (Boat) 9.5 hours @ \$82/hr.....	\$	779.00
Three Man Survey Crew 45.5 hours @ \$180/hr.....	\$	8,190.00
26' Parker Survey Boat 1.25 days @ \$600/day.....	\$	750.00
Trimble MPS500 Inert System 1.25 days @ \$500/day.....	\$	625.00
Single Beam Digital Fathometer 1.25 days @ \$100/day.....	\$	125.00
Hypack Navigation Software & Computer 1.25 days @ \$120/day.....	\$	150.00
Trimble RTK 4.5 days @ \$450/day.....	\$	2,025.00

Beach UTV
4.5 days @ \$100/day..... \$ 450.00

Senior Survey Computer Technician
12 hours @ \$103/hr..... \$ 1,236.00
Total IV \$ 16,565.50

TOTAL FIXED PRICE FEE I-IV \$ 62,978.50

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.co
m, c=US
Date: 2023.10.09 16:51:38 -04'00'

David W. Coggin, PSM
Vice President

DWC:dmc

Billing: project will be invoiced monthly based on percentage completed