



Morgan & Eklund, Inc.

4909 US Highway 1  
Vero Beach, Florida 32967

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

January 31, 2023  
(Revised 3/17/2023)

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

**RE: 2023 Summer Semi-Annual Indian River County Coastal Monitoring Survey;  
Onshore/Offshore Profiles along FDEP Range Lines R-15 to R-119 together with  
Sector 7 Intermediate Project Lines**

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 together with the intermediate lines for Sector 7, a total of 124 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 May/June 2023 with drawings and reports completed in July 2023.

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
<b>Total I .....</b>	<b>\$ 27,597.50</b>

**II. 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	
.5 hour @ \$85/hr.....	\$ 42.50
Hydrographic Lead Surveyor	
10 hours @ \$107/hr.....	\$ 1,070.00
Survey Technician (Boat)	
10 hours @ \$82/hr.....	\$ 820.00
Three Man Survey Crew	
45 hours @ \$180/hr.....	\$ 8,100.00
26' Parker Survey Boat	
1 day @ \$600/day.....	\$ 600.00

Trimble MPS500 Inert System		
1 day @ \$500/day .....	\$	500.00
Single Beam Digital Fathometer		
1 day @ \$100/day .....	\$	100.00
Hypack Navigation Software & Computer		
1 day @ \$120/day .....	\$	120.00
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
<b>Total II.....</b>	<b>\$</b>	<b>16,197.50</b>

**III. Sector 7 (R-97 to R-108 together with R-99.5, 100.5, 101.25, 101.5, 101.75, 102.25, 102.5, 102.75, 103.25, 103.5, 103.75, 104.25, 104.5, 104.75, 105.25, 105.5, 105.75, 106.5 and 107.5, 31 Lines)**

Chief Surveyor		
3 hours @ \$171/hr.....	\$	513.00
Senior Project Manager		
7 hours @ \$132/hr.....	\$	924.00
Assistant Project Manager		
1 hour @ \$85/hr .....	\$	85.00
Hydrographic Lead Surveyor		
12 hours @ \$107/hr.....	\$	1,284.00
Survey Technician (Boat)		
12 hours @ \$82/hr.....	\$	984.00
Three Man Survey Crew		
48 hours @ \$180/hr.....	\$	8,640.00
26' Parker Survey Boat		
1.5 days @ \$600/day.....	\$	900.00
Trimble MPS500 Inert System		
1.5 days @ \$500/day.....	\$	750.00
Single Beam Digital Fathometer		
1.5 days @ \$100/day.....	\$	150.00

Hypack Navigation Software & Computer 1.5 days @ \$120/day.....	\$	180.00
Trimble RTK 5 days @ \$450/day.....	\$	2,250.00
Beach UTV 5 days @ \$100/day.....	\$	500.00
Senior Survey Computer Technician 14 hours @ \$103/hr.....	\$	<u>1,442.00</u>
<b>Total III .....</b>	<b>\$</b>	<b>18,602.00</b>

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

Chief Surveyor 1.5 hours @ \$171/hr.....	\$	256.50
Senior Project Manager 4 hours @ \$132/hr.....	\$	528.00
Assistant Project Manager 1 hour @ \$85/hr .....	\$	85.00
Hydrographic Lead Surveyor 5 hours @ \$107/hr.....	\$	535.00
Survey Technician (Boat) 5 hours @ \$82/hr .....	\$	410.00
Three Man Survey Crew 34 hours @ \$180/hr.....	\$	6,120.00
26' Parker Survey Boat 1 day @ \$600/day .....	\$	600.00
Trimble MPS500 Inert System 1 day @ \$500/day .....	\$	500.00
Single Beam Digital Fathometer 1 day @ \$100/day .....	\$	100.00
Hypack Navigation Software & Computer 1 day @ \$120/day .....	\$	120.00
Trimble RTK 3.5 days @ \$450/day.....	\$	1,575.00

Beach UTV  
3.5 days @ \$100/day..... \$ 350.00

Senior Survey Computer Technician  
8 hours @ \$103/hr..... \$ 824.00

**Total IV ..... \$ 12,003.50**

**TOTAL FIXED PRICE FEE I-IV ..... \$ 74,400.50**

*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@morganelund.co  
m, c=US  
Date: 2023.03.17 15:00:28 -0400

David W. Coggin, PSM  
Vice President

DWC:dmc

**Billing:** project will be invoiced monthly based on percentage completed