



Morgan & Eklund, Inc.  
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November 4, 2021

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

**RE: 2022 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 July/August 2022 with drawings and reports completed in September 2022.

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

**I. Sector 3, Phase 1 (R-15 to R-45, 31 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 14 hours @ \$85/hr.....	\$	1,190.00

Survey Technician (Boat)		
14 hours @ \$55/hr.....	\$	770.00
Party Chief		
3 hours @ \$75/hr.....	\$	225.00
Three Man Survey Crew		
57 hours @ \$135/hr.....	\$	7,695.00
26' Parker Survey Boat		
2 days @ \$600/day.....	\$	1,200.00
Motion Compensator		
2 days @ \$200/day.....	\$	400.00
Digital Fathometer		
2 days @ \$85/day.....	\$	170.00
Hypack Navigation Software & Computer		
2 days @ \$50/day.....	\$	100.00
Trimble RTK		
5.5 days @ \$450/day.....	\$	2,475.00
Beach UTV		
5.5 days @ \$75/day.....	\$	412.50
Senior Survey Computer Technician		
18 hours @ \$85/hr.....	\$	1,530.00
<b>Total I.....</b>	<b>\$</b>	<b>18,322.50</b>

**II. Sector 3, Phase 2 (R-46 to R-60, 15 Onshore/Offshore Profile Lines)**

Chief Surveyor		
1.5 hour @ \$135/hr.....	\$	202.50
Senior Project Manager		
7 hours @ \$95/hr.....	\$	665.00
Assistant Project Manager		
1 hour @ \$50/hr.....	\$	50.00
Hydrographic Lead Surveyor		
8.5 hours @ \$85/hr.....	\$	722.50
Survey Technician (Boat)		
8.5 hours @ \$55/hr.....	\$	467.50
Party Chief		
.5 hours @ \$75/hr.....	\$	37.50

Three Man Survey Crew 26 hours @ \$135/hr.....	\$	3,510.00
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 2.5 days @ \$450/day.....	\$	1,125.00
Beach UTV 2.5 days @ \$75/day.....	\$	187.50
Senior Survey Computer Technician 10 hours @ \$85/hr.....	\$	850.00
<b>Total II .....</b>	<b>\$</b>	<b>8,752.50</b>

**III. 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
<b>Total III.....</b>	<b>\$ 15,455.00</b>

**IV. 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 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 14 hours @ \$85/hr.....	\$ 1,190.00
Survey Technician (Boat) 14 hours @ \$55/hr.....	\$ 770.00
Party Chief 3 hours @ \$75/hr.....	\$ 225.00
Three Man Survey Crew 57 hours @ \$135/hr.....	\$ 7,695.00
26' Parker Survey Boat 2 days @ \$600/day.....	\$ 1,200.00
Motion Compensator 2 days @ \$200/day.....	\$ 400.00

Digital Fathometer 2 days @ \$85/day.....	\$	170.00
Hypack Navigation Software & Computer 2 days @ \$50/day.....	\$	100.00
Trimble RTK 5.5 days @ \$450/day.....	\$	2,475.00
Beach UTV 5.5 days @ \$75/day.....	\$	412.50
Senior Survey Computer Technician 18 hours @ \$85/hr.....	\$	1,530.00
<b>Total IV .....</b>	<b>\$</b>	<b>18,322.50</b>

**V. 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
<b>Total V.....</b>	<b>\$</b>	<b>12,122.50</b>
<b>TOTAL COST I-V .....</b>	<b>\$</b>	<b>72,975.00</b>

*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: 2021.11.04 14:54:34 -04'00'  
 David W. Coggin, PSM  
 Vice President

DWC:dmc

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