



Date: March 5, 2015

Alfredo Quintero
Public Works Director
Town of Cutler Bay

RE: Point Royale Section 5 Water Quality Improvements Project
SW 100 Ave Reconstruction from Broad Channel Dr. to SW 186 St.,
Cutler Bay, Florida 33157

Dear Mr. Quintero,

Marlin Engineering would like to thank the Town of Cutler Bay for allowing us the opportunity to provide the following proposal for work required for the reconstruction of the above mentioned project.

Attached you will find a Scope of Service (attachment "A"), and staff hour estimate.

Total Fee (Lump Sum):

Design Service:	\$49,152.11
Survey Service:	\$ 5,000.00
Geotechnical Service:	\$ 3,000.00

Total Lump Sum Fee: \$57,152.11

Thank you for the opportunity to work with the Town of Cutler Bay, if you have any questions or concerns please do not hesitate to contact me at your convenience.

Sincerely yours,

Marlin Engineering, Inc.

Miguel Soria
Operations Manager

**SCOPE OF SERVICES
TOWN OF CUTLER BAY**

Contract No. N/A

1.0 BACKGROUND:

The consultant was retained by the Town of Cutler Bay to provide design services for the Point Royale Section 5 water Quality Improvements Project Located at SW 100 Ave from Broad Channel Dr. to SW 186 St.

2.0 PURPOSE:

The purpose of this estimate is to provide design services for above mentioned project which include Project General Task (Public Information, coordinate with residents, and developing exhibitions as illustrations), Preparation of Roadway Plans, Drainage system analysis and improvements, Utility coordination, permit preparation, and developing Signing and Marking Plans.

3.0 Scope:

Under this estimate, the Consultant will provide the following services:

Project General Tasks:

- Prepare alternative and coordinate with Town representative; chose preferred alternative prior to plans implementations.
- Prepare renderings for the Town of Cutler Bay, coordination with the residents within the project limits.
- Attend public meetings and coordinate meeting with Town of Cutler Bay.

Roadway Plans

- Prepare design documents for Town of Cutler based on Florida Green Book requirements and Miami Dade County standards.
- Prepare Key sheet, Summary of Pay items and Quantities, plan and profile, and cross sections
- Project consists of full reconstruction of SW 100 Ave and drainage improvements within project limits.
- Salvage and maintain existing curb and gutter and sidewalk (replace only damaged side walk and curb as necessary)
- Provide on street parking (7 ft. wide)
- Provide median and median openings within project limits
- Provide 11 ft. lanes
- Prepare Traffic Control Plans

Drainage Report and Drainage Plans

- Develop drainage concept and coordinate with Town representatives.
- Develop analysis for a self-contained drainage system within the project limits.
- Prepare Drainage Report
- Geotechnical information as per Geotechnical sub-consultant

Utility Coordination

- Develop utility contact list (WASA, FPL, Water, Cable, etc.)
- Coordinate meetings with agencies
- Input utility in plans and develop conflict matrix
- Coordinate utilities with agencies; conflict resolutions

Signing and Marking plans

- Develop complete signing and marking plans as per MUTCD and Florida Green Book and coordinate with Miami Dade County.

Survey

- Develop Topographic Survey and Baseline
- Cross Section every 50 ft.
- Project base line and R/W maps as per Miami Dade County Maps

Landscape plans as per our Rosenberg Design Group

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: SW 100 Ave from Broad Channel Dr. to SW 186 St.
 County: Miami-Dade Town of Cutler Bay
 FPN: 0
 10/19/200

Consultant Name: Marlin Engineering, Inc.
 Consultant No.: 2/27/2015
 Date: 2/27/2015
 Estimator: Miquel Sorla, P.E.

Staff Classification	Total Staff Hours From Summary - 'SH	Principal	Project Manager	Project Engineer	Designer	CADD Technician	Technician	Clerical	Staff	Staff	Staff	Staff	Staff	Staff	SH By Activity	Salary Cost By Activity	Average Rate Per Task																	
																		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
3. Project General and Project Common Tasks	20	1	3	3	5	5	3	0	0	0	0	0	0	0	20	\$2,582	\$128.10																	
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																	
5. Roadway Plans	144	7	22	22	38	36	19	3	0	0	0	0	0	145	\$18,635	\$128.52																		
6. Damage Analysis	108	5	16	16	36	27	14	2	0	0	0	0	0	116	\$14,799	\$127.56																		
7. Utilities	40	2	6	6	10	5	5	1	0	0	0	0	0	40	\$5,137	\$128.41																		
8. Structures - Compliance & Clearances	36	2	5	5	9	9	5	1	0	0	0	0	0	36	\$4,581	\$127.24																		
9. Structures - Misc. Tasks, Dwg's, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
20. Signing & Pavement Marking Plans	26	1	4	4	7	7	3	1	0	0	0	0	0	27	\$3,419	\$126.62																		
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
25. Landscaps Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
26. Landscaps Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!																		
Total Staff Hours	374	18	56	56	103	64	49	8	0	0	0	0	0	384	\$49,152.11	\$128.00																		
Total Staff Cost		\$3,780.00	\$9,853.76	\$9,904.00	\$12,360.00	\$9,489.30	\$4,285.05	\$480.00	\$0.00	\$49,152.11	\$128.00																							

Survey Field Days by Subconsultant
 4 - Person Crew

- Notes:
- 1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.
- 2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

Subconsultant:	Survey (Field - if by Prime)	0	\$	/ day	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Subconsultant:	ROSENBERG GARDNER																
Subconsultant:	MARLIN SURVEY																
Subconsultant:	GEOTECHNICAL																
Subconsultant:	Sub 4																
Subconsultant:	Sub 5																
Subconsultant:	Sub 6																
Subconsultant:	Sub 7																
Subconsultant:	Sub 8																
Subconsultant:	Sub 9																
Subconsultant:	Sub 10																
Subconsultant:	Sub 11																
Subconsultant:	Sub 12																
SUBTOTAL ESTIMATED FEE:																	
Geotechnical Field and Lab Testing																	
SUBTOTAL ESTIMATED FEE:																	
Optional Services																	
SUBTOTAL ESTIMATED FEE:																	
GRAND TOTAL ESTIMATED FEE:																	