



March 4, 2025
(Revised March 10, 2025)

Mr. Justin Martin, P.E.
Public Works Department
City of Marco Island
50 Bald Eagle Drive
Marco Island, FL 34145

**Re: South Barfield Flood-Remediation (the “Project”)
Proposal to provide Civil Engineering Services to the City of Marco Island (the
“Proposal”)**

Dear Mr. Martin:

Bowman Gulf Coast LLC, (Consultant) herein referred to as Bowman is pleased to submit the following proposal for professional civil engineering services to the City of Marco Island (Client). The consulting services are associated with South Barfield Drive Flood Remediation project (Project).

The services outlined in this proposal will be performed in accordance with City of Marco Island Professional Services: General Civil Engineering Contract #19-012 as amended. The fee schedule for the associated professional service fees is specified in the standard rate code fee schedule associated with Contract #19-012 as amended. The man hour fee estimate is presented as cost estimate sheets at the end of this proposal. Outlined below is a summary of the project’s profile, and anticipated scope of services.

PROPOSAL ASSUMPTIONS AND PROJECT UNDERSTANDING

- South Barfield Drive from approximately San Marco Road to Inlet Drive has consistently been inundated in stretches of the roadway after intense rainfall events averaging a peak intensity of 2.5 inches per hour (short duration) or when rainfall totals reach seven inches over 24 hours or greater (longer duration) without tidal induced constraints.
- The City of Marco Island City council has directed the public works department to hire a consultant to prepare construction plans and specifications that will address the rainfall induced flooding or result in a level of service consistent with the City’s adopted level of service standards.
- The project length is approximately 1.3 miles and extends from the intersection of San Marco Road and South Barfield Drive to the intersection of Watson Road and South Barfield Drive.

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- Protection of the roadway from tidal surge induced flooding is not practicable. As a result, this proposal addresses providing design services necessary to achieve the goals and objectives of improving drainage for rainfall events and a reduction of flooding to an acceptable level of service during rainfall events that are not tidally influenced, but cause flooding.
- The project profile generally includes providing general civil engineering, surveying, bidding, and construction services associated with the construction of drainage and roadway improvements within the right of way of South Barfield Drive.
- The scope of improvements includes limited paving, grading and drainage improvements within the right of way as well as creating or enhancing existing outfalls at approximately three locations within the project limits between homes and to the canals and adjacent waterways.
- The exact location of these outfalls will be determined during the design process.
- The City of Marco Island will provide available Record Drawing showing approximate horizontal and vertical locations of the existing stormwater, potable water and wastewater facilities, and the Consultant will rely on this information in the preparation of construction documents with supplemented survey data.
- Maintenance of Traffic plans will be prepared by the contractor for City approval.
- Surveying services deploying drones and data obtained through traditional survey methodologies is proposed.
- The contractor is responsible for restoring all driveways, landscaping, signs, grass, etc., to their pre-construction conditions. No landscape improvements shall be provided.
- The Client will make available all pertinent and relevant information and documents associated with the project from City of Marco records or by other service providers, and not already included in Bowman files.
- Freshwater jurisdictional wetlands will not be impacted. The pipe replacement area and receiving body are upland cut ditches and existing water management features that are not considered jurisdictional wetlands.
- A listed protected species survey will be conducted to identify the locations within the project area with those species. No archeological surveys or management has been included.

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- All work will occur in rights of way and are considered like kind replacement and repair by the South Florida Water Management District and as a result only a minor permit is anticipated will be required with no water quality requirements.
- Design plans for the like kind replacement and repair of the drainage outfalls at the seawalls or ripped rap sections within the saltwater canals or bays will be designed by the project team.
- Impacts to mangroves or saltwater vegetation are not anticipated and as a result professional services associated with permits required to impact mangroves are not included as part of the scope of services.
- Video or other inspections of underground facilities are not provided.
- Services provided by Bowman under this proposal will be performed in a manner consistent with the degree of care and skill ordinarily exercised by members of the same profession practicing under similar circumstances, including standard of care at the time the services were provided.
- A portion of the stated compensation is set aside for Quality Control/Quality Assurance, which is part of the Bowman's Quality Control Policy.
- City of Marco Island desires to contract with Bowman Gulf Coast, LLC (Bowman) in accordance with the provisions of General Civil Engineering Annual Contract #19-012.

SCOPE OF SERVICES AND FEES

1. Task Name - General Consultation and Coordination

These services will include providing professional civil engineering, conceptual planning and design consultation and advice as requested by Client.

- 1.1. Consult with Client to further clarify and define development goals and requirements for the Project.

Bowman Representatives will attend up to two coordination meetings.

2. Task Name - Right of Way and Outfall Easement Surveying

- 2.1 Utilizing a combination of drone imagery and ground-based location and topographic surveying, the consultant will provide sufficient surveying data to design paving grading and drainage construction documents for the improvements from San Marco Road to Inlet Drive along both sides of the divided median South Barfield Drive.

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3. Task Name - Prepare Construction Plans, Final Specifications, and Opinions of Probable Cost as Required to construct drainage improvements. A 60%, 90%, and 100% Submittal are Anticipated.

- 3.1. Utilizing existing plat document information, field surveys, and the base ACAD document provided by the project surveyor, Consultant will prepare construction plans and specifications that will include the alterations to sidewalk facilities, swales, pavement surfaces, with no expansion of turn lanes or bicycle facilities and the creation of potential three new outfalls at currently unknown locations.
- 3.2. Consultant will prepare plans for the seawall penetrations at the outfall locations.
- 3.3. Consultant will address utility conflicts and design drainage elements to avoid the conflicts as much as practicable. No utility relocation designs have been included.
- 3.4. Prepare and submit 60% plans for review and approval.
- 3.5. Incorporate any additional revisions requested by the Client.
- 3.6. Prepare and submit 90% signed and sealed construction plans and specifications.
- 3.7. Incorporate any additional revisions requested by the Client.
- 3.10 Prepare and submit 100% plan opinions of probable costs for improvements, bid tabulations, and construction scope of work.

4. Bidding Assistance

- 4.1. Provide support and answer questions regarding the plans and specifications as requested during the project bidding process, and prepare addenda as needed.

5. Listing Species Survey

- 5.1 Provide coordination with subconsultant in conducting the Listed Species Survey in the Project area. Incorporate findings on plan set and include report in Supplemental Specifications.
- 5.2 Provide subconsultant services for the Listed Species Survey. Survey to be provided by Island Environmental & Marine Services.



6. Task Name - South Florida Water Management District (SFWMD) Environmental Resource Permit General Permit Application and Support

- 6.1. Prepare for and attend a preapplication meeting with SFWMD staff to present the project goals and objectives and obtain a final determination of the permitting process as a letter of no permit required or as a general no notice permit.
- 6.2. Prepare and submit a South Florida Water Management District Environmental Resource Permit Application confirming a no permit required condition or submitting for a no notice permit.
- 6.3. Support the SFWMD permit application through three sufficiency responses.

7. Engineering Services During Construction (Fee to be Determined)

- 7.1. Develop and prepare conformed plans.
- 7.2. Review contractor submittals including shop drawings and test results.
- 7.3. Assist in final close out of the construction contract and any permits.
- 7.4. Prepare Record Drawings based on County and Contractor red lines and Contractor as-built survey.
- 7.5. Review and respond to Contractor's Request for Information (RFI's).

8. Task Name - Reimbursables

- 7.1 Expenses for blueprints, reproduction services, and overnight or express delivery services shall be reimbursable to Bowman Gulf Coast, LLC in accordance with the continuing contract rates.

PROFESSIONAL SERVICE FEES

The professional service fees for the associated Scope of Services are shown on the attached fee worksheet. The fees are based on a City of Marco Island Project Manager and Bowman negotiated work breakdown structure in accordance with the standard hourly rates by position title of General Civil Engineering Annual Contract #19-012, as amended. A total of \$194,000 is proposed. We will not exceed that total amount without written approval of the City.

Duration

All work will be completed in 150 days from issuance of the Notice to Proceed.

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ACCEPTANCE AND AUTHORIZATION TO PROCEED

Period for Acceptance

This Proposal/Agreement is open for acceptance by Client through April 1, 2025. After the acceptance date, the proposal may be withdrawn or subject to modification by Bowman Gulf Coast, LLC.

Acceptance

If this Proposal/Agreement satisfactorily sets forth the Client's entire understanding of the agreement, please proceed to execute the proposal through the standard City of Marco Island Purchasing methodology as evidence of acceptance. Thank you for the opportunity to submit this professional service proposal.

By: _____



Robert J. Mulhere, FAICP
Senior Vice President
Bowman Gulf Coast, LLC

RJM:dlh

C: Emilio J. Robau, PE
David W. Schmitt, PE

Enclosures: Exhibit A– South Barfield Drive Flood Remediation man-hour estimate.

Exhibit A - South Barfield Flood Remediation



Task	Task Title	Principal Engineer VIII		Engineer IV		Engineer II		Senior Designer		Senior Clerical Admin Assist		Project Plan Fees	
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
			\$220.00		\$160.00		\$130.00		\$140.00		\$100.00		
1.00	South Barfield Flood Remediation General Consultation												
1.10	General Consultation and Coordination	10.00	\$2,200.00	10.00	\$1,600.00	5.00	\$650.00	5.00	\$700.00	8.00	\$800.00	38.00	\$5,950.00
1.20	Two Meetings with City Staff	6.00	\$1,320.00	6.00	\$960.00	0.00	\$0.00	0.00	\$0.00	6.00	\$600.00	18.00	\$2,880.00
1.30	Reserved	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
	Sub-Total:	16.00	\$3,520.00	16.00	\$2,560.00	5.00	\$650.00	5.00	\$700.00	14.00	\$1,400.00	56.00	\$8,830.00
2.00	Right of Way and Outfall Easement Surveying												
2.10	See Supplementary Spreadsheet	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
2.20	See Supplementary Spreadsheet	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
2.30	Reserved	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
	Sub-Total:	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$60,055.00
3.00	Develop and Compile 60%, 90%, 100% Construction Plans												
3.10	Develop and Compile 60% Construction Plans	16.00	\$3,520.00	60.00	\$9,600.00	100.00	\$13,000.00	180.00	\$25,200.00	40.00	\$4,000.00	396.00	\$55,320.00
3.20	Submit 60% Plans	4.00	\$880.00	4.00	\$640.00	4.00	\$520.00	8.00	\$1,120.00	8.00	\$800.00	28.00	\$3,960.00
3.30	Incorporate Revisions as Proposed by Client and Stakeholders	4.00	\$880.00	8.00	\$1,280.00	12.00	\$1,560.00	24.00	\$3,360.00	0.00	\$0.00	48.00	\$7,080.00
3.40	Submit 90% Plans	4.00	\$880.00	8.00	\$1,280.00	4.00	\$520.00	4.00	\$560.00	4.00	\$400.00	24.00	\$3,640.00
3.50	Incorporate Revisions as Proposed by Client and Stakeholders	4.00	\$880.00	16.00	\$2,560.00	16.00	\$2,080.00	40.00	\$5,600.00	0.00	\$0.00	76.00	\$11,120.00
3.60	Submit 100% Plans and Supplemental Specifications	6.00	\$1,320.00	10.00	\$1,600.00	10.00	\$1,300.00	8.00	\$1,120.00	8.00	\$800.00	42.00	\$6,140.00
3.70	Submit 100% Opinions of Probable Cost and Bid Tabs	2.00	\$440.00	8.00	\$1,280.00	40.00	\$5,200.00	40.00	\$5,600.00	24.00	\$2,400.00	114.00	\$14,920.00
3.80	Reserved	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
	Sub-Total:	40.00	\$8,800.00	114.00	\$18,240.00	186.00	\$24,180.00	304.00	\$42,560.00	84.00	\$8,400.00	728.00	\$102,180.00
4.00	Bidding Assistance												
4.10	Provide Support and Answer Questions Regarding the Plans and Specifications	3.00	\$660.00	12.00	\$1,920.00	12.00	\$1,560.00	12.00	\$1,680.00	8.00	\$800.00	47.00	\$6,620.00
4.20	Reserved	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
	Sub-Total:	3.00	\$660.00	12.00	\$1,920.00	12.00	\$1,560.00	12.00	\$1,680.00	8.00	\$800.00	47.00	\$6,620.00
5.00	List Species Survey												
5.10	Coordination with Subconsultant	2.00	\$440.00	2.00	\$320.00	0.00	\$0.00	4.00	\$560.00	2.00	\$200.00	6.00	\$1,520.00
5.20	Subconsultant (Island Environmental & Marine Services)	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	10.00	\$4,025.00
5.30	Reserved	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
	Sub-Total:	2.00	\$440.00	2.00	\$320.00	0.00	\$0.00	4.00	\$560.00	2.00	\$200.00	16.00	\$5,545.00
6.00	SFWMD ERP Permitting												
6.10	Attend One SFWMD Pre-Application Meeting	3.00	\$660.00	3.00	\$480.00	3.00	\$390.00	0.00	\$0.00	0.00	\$0.00	9.00	\$1,530.00
6.20	SFWMD ERP App Prep	4.00	\$880.00	8.00	\$1,280.00	8.00	\$1,040.00	10.00	\$1,400.00	2.00	\$200.00	32.00	\$4,800.00
6.30	SFWMD ERP App Support	2.00	\$440.00	4.00	\$640.00	6.00	\$780.00	12.00	\$1,680.00	4.00	\$400.00	28.00	\$3,940.00
6.40	Reserved	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
	Sub-Total:	9.00	\$1,980.00	15.00	\$2,400.00	17.00	\$2,210.00	22.00	\$3,080.00	6.00	\$600.00	69.00	\$10,270.00
	Final Total Base Scope of Services	70.00	\$15,400.00	159.00	\$25,440.00	220.00	\$28,600.00	347.00	\$48,580.00	114.00	\$11,400.00	916.00	\$193,500.00
	Reimbursables												\$500.00
													Total Fee Estimate \$194,000.00

Exhibit B - South Barfield Flood Remediation
Supplementary Spreadsheet Survey



Task	Task Title	Project Surveyor		Survey Crew - 2 man		Technician IV		Project Plan Fees	
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
			\$175.00		\$165.00		\$90.00		
1.0	Design Survey for Storm Boxes, Culverts and Outfall pipes								
1.1	Field Survey for Existing Culverts	2.00	\$350.00	8.00	\$1,320.00	8.00	\$720.00	18.00	\$2,390.00
1.2	Elevations at Outlet End	2.00	\$350.00	8.00	\$1,320.00	5.00	\$450.00	15.00	\$2,120.00
1.3	Elevations of Inverts of Pipe	2.00	\$350.00	12.00	\$1,980.00	8.00	\$720.00	22.00	\$3,050.00
1.4	Elevations of Surface Along Pipe Route	1.00	\$175.00	4.00	\$660.00	1.00	\$90.00	6.00	\$925.00
1.5	Establish Property Lines Along Route of Pipes	6.00	\$1,050.00	24.00	\$3,960.00	16.00	\$1,440.00	46.00	\$6,450.00
1.6	Location of Existing Storm Structures Along Pipe Route	1.00	\$175.00	10.00	\$1,650.00	8.00	\$720.00	19.00	\$2,545.00
			\$0.00		\$0.00		\$0.00	0.00	\$0.00
Sub-Total:		14.00	\$2,450.00	66.00	\$10,890.00	46.00	\$4,140.00	126.00	\$17,480.00

Task	Task Title	Principal Surveyor		Survey Crew - 2 man		Technician IV		Project Plan Fees	
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
			\$190.00		\$165.00		\$90.00		
2.0	Design Survey from R/W to R/W 100' wide and Base ACAD Document Preparation for road. S.Barfield Dr.								
2.1	Establish Horizontal and Vertical survey control.	2.00	\$350.00	8.00	\$1,320.00	4.00	\$360.00	14.00	\$2,030.00
2.2	Establish Project base line.	1.50	\$262.50	8.00	\$1,320.00	6.00	\$540.00	15.50	\$2,122.50
2.3	Elevations at 100' stations-10' beyond each R/W	1.50	\$262.50	8.00	\$1,320.00	6.00	\$540.00	15.50	\$2,122.50
2.4	Utility locations: risers, power poles, valves, storm boxes, manholes, underground utility markings,	1.50	\$262.50	8.00	\$1,320.00	6.00	\$540.00	15.50	\$2,122.50
2.5	Location and elevation of edge of pavement and driveways	1.50	\$262.50	4.00	\$660.00	2.00	\$180.00	7.50	\$1,102.50
2.6	Location and elevation of all ditches within project area	1.50	\$262.50	4.00	\$660.00	3.00	\$270.00	8.50	\$1,192.50
2.7	Location of Existing Specimen trees within the r/w and along the property lines with drainage easements	1.50	\$262.50	4.00	\$660.00	3.00	\$270.00	8.50	\$1,192.50
2.8	Reserved		\$0.00		\$0.00		\$0.00	0.00	\$0.00
Sub-Total:		11.00	\$1,925.00	44.00	\$7,260.00	30.00	\$2,700.00	85.00	\$11,885.00

TASK GROUP I Design and Surveying

Task	Task Title	Principal Surveyor		Survey Crew - 2 man		Technician IV		Project Plan Fees	
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
			\$190.00		\$165.00		\$90.00		
3.0	Design Survey for Proposed outfall pipes								
3.1	Field Survey for Six (6) Proposed Outfall pipes	2	\$350.00	12	\$1,980.00	6	\$540.00	20	\$2,870.00
3.2	Elevations at Proposed Outlet End	2	\$350.00	4	\$660.00	2	\$180.00	8	\$1,190.00
3.3	Elevations of Surface Along Pipe Route	2	\$350.00	4	\$660.00	2	\$180.00	8	\$1,190.00
3.4	Establish Property Lines Along Route of Pipe	8	\$1,400.00	16	\$2,640.00	8	\$720.00	32	\$4,760.00
3.5	Reserved		\$0.00		\$0.00		\$0.00	0	\$0.00
Sub-Total:		14.00	\$2,640.00	36.00	\$6,105.00	18.00	\$1,710.00	68.00	\$10,010.00

TASK GROUP I Design and Surveying

Task	Task Title	Principal Surveyor		Survey Crew - 2 man		Technician IV		Project Plan Fees	
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
			\$260.00		\$165.00		\$90.00		
4.0	Drone flight								
4.1	Field Survey for control points	6	\$1,050.00	34	\$5,610.00	8	\$720.00	48	\$7,380.00
4.2	Flight and Processing	24	\$4,200.00	0	\$0.00	0	\$0.00	24	\$4,200.00
4.3	Surface from flight	30	\$5,250.00	0	\$0.00	0	\$0.00	30	\$5,250.00
4.4	Cut 100' stations from surface	22	\$3,850.00	0	\$0.00	0	\$0.00	22	\$3,850.00
4.5	Reserved		\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
Sub-Total:		82.00	\$14,350.00	34.00	\$5,610.00	8.00	\$720.00	124.00	\$20,680.00

Total:

\$60,055.00