

January 23, 2024

**DRMP Job #: 15-0391**

Kelly Slaughter | Project Manager  
Public Works  
410 Taylor Street, Unit 104  
Punta Gorda, FL 33950

**Subject: RLI File 23-112 wo 288 Design Chamberlain Boulevard over  
Jupiter and Apollo Waterways  
Scope of Services & Fee Summary**

Dear Mrs. Slaughter:

DRMP is pleased to provide the scope of services and fee proposal for professional engineering design services for repairs on the following bridges:

- Bridge No. 014044 – Chamberlain Blvd. over Jupiter Waterway
  - Bridge Design
  - Water Main Design
- Bridge No. 014045 – Chamberlain Blvd. over Apollo Waterway
  - Bridge design

**Task 1 - Engineering Bridge Repair Memorandum**

- a. The evaluation will be based on a review of available bridge inspection reports, existing bridge plans and field review. The deliverable will be a Memorandum detailing the findings along with a listing of recommended safety, structural, maintenance repair recommendations and construction costs. In a collaborative effort with the County, a determination will be made to either advance or reject the recommendations.

**Task 2 – Survey and SUE**

**1. Bridge over Jupiter Waterway Survey**

**A. Survey**

Survey of bridge and abutments in support of the design effort for the bridges as identified in the design fees. Survey needs anticipated for Chamberlain Blvd. bridge over Jupiter Waterway includes the following efforts.

- Topographic survey of the bridge deck as well as accessible bridge elements and approach roadways extending from Clearview Dr. to Eppinger Dr. from the southerly right of way to the northerly right of way of Chamberlain Blvd.
- Establish horizontal project control relative to the North American Datum (NAD) 1983-2011 adjustment.
- Establish vertical project control relative to the North American Vertical Datum (NAVD) 1988.
- Excludes Bathymetric Survey of Jupiter Waterway and bridge substructure elements.
- Recover existing monuments as shown in plats acquired from Charlotte County official records.
- Provide apparent right of way lines, based on a best fit of public records and monumentation

**B. Subsurface Utility Engineering (SUE)**

- Utility designating of the known subsurface main-line utilities within the project limits. Services include utilization of geophysical locating and ground penetrating radar (GPR) technologies. Utilities will be marked with flags and/or paint markings with a corresponding sketch. This task includes survey location of the designated utility lines based on survey control points provided by the project surveyor.



- Upon completion of the designating phase and as requested by the design team. DRMP will provide subsurface utility locates (VVH Test Holes) at up to two (2) locations to determine the vertical location of existing utilities at proposed water main tie-in points identified by the client such as potential conflicts or proposed tie-in points.

## **2. Bridge over Apollo Waterway Survey**

### **A. Survey**

Survey of bridge and abutments in support of the design effort for the bridges as identified in the design fees. Survey needs anticipated for Chamberlain Blvd. bridge over Apollo Waterway includes the following efforts.

- Topographic survey of the bridge deck as well as accessible bridge elements and approach roadways extending from Hoffer St. to McCabe St. from the southerly right of way to the northerly right of way of Chamberlain Blvd.
- Establish horizontal project control relative to the North American Datum (NAD) 1983-2011 adjustment.
- Establish vertical project control relative to the North American Vertical Datum (NAVD) 1988.
- Excludes Bathymetric Survey of Apollo Waterway and bridge substructure elements.
- Recover existing monuments as shown in plats acquired from Charlotte County official records.
- Provide apparent right of way lines, based on a best fit of public records and monumentation.

## **Task 3 – Bridge Design Services**

- a. Design Services.** Design services shall include preparing structural and roadway component plan set that includes the following items:
- New traffic railings and a new 5-ft sidewalk on the north side at each bridge. County will use the Texas C411 standards.
  - Replace or repair details.
  - Load Rating Analysis of new supports
  - Maintenance of traffic
  - Specifications
  - Limited Utility Coordination
  - Permits (As needed)

The scope of design services may vary depending on the findings in the Engineering Bridge Repair Memorandum.

## **Task 4 – Utility Design Services**

- a. Design Services.** Design services shall include preparing component plan set that includes 60% and 100% submittals for replacement of the existing ductile iron water main on the same side of the bridge. The submittals will include design drawings, specifications, and a cost estimate.
- b. Permitting:** Assistance with water main in County ROW permit (if necessary)

Assumptions and exclusions

- Assume the water main will remain on same side of bridge.
- Assume water main can be taken out of operation during construction.
- Assume there are no water connections in project area.
- Excludes FDEP permitting as it is not required.



### **c. Post Design Services**

The post-design services shall include:

- Shop drawing review
- RFI Review
- As Built review
- Final Certification and Record Drawings

### **Task 5 – Bridge Post Design Services**

The post-design services shall include

- Construction bid assistance.
- Shop drawing reviews
- RFI/RFM responses
- Field reviews
- Contract plans revision or as-builts.

### **Deliverables**

DRMP will provide all submittals in 11"x17" format. All submittals will include an identical copy for the County. Upon completion of the concept plans a PDF of calculations, reports and design plans will be provided as well as all digital files. The following deliverables are anticipated:

- Meeting Minutes Correspondence
- Task 1 - Engineering Bridge Repair Memorandum
- Task 2 – Survey and SUE
- Task 3 – Bridge Design Services
  - Signed and Sealed Contract plans
  - Signed and Sealed Structural Calculations
  - Signed and Sealed Load Rating Report
  - Digital Design Files
  - Engineer's Estimate of Probable Construction Cost
- Task 4 – Utility Design Services
  - Signed and Sealed Contract plans
  - Digital Design Files
  - Engineer's Estimate of Probable Construction Cost
- Task 5 – Bridge Post-design Services



### **Additional Services (Not part of this contract)**

If the County desires to change or expand upon these services, an additional fee shall be negotiated. Services authorized in writing by the County other than those specifically listed in the Scope of Services shall be considered Additional Services for which the County shall compensate DRMP at current hourly rates for the actual personnel involved in the tasks or as pre-negotiated for that task. Any renegotiation required shall be accomplished prior to further work on the project.

- a. Additional safety and/or maintenance repairs identified in the Memorandum and not under this scope.
- b. Permit Fees if required.
- c. Public Meeting Support.
- d. Additional meetings other than those specifically addressed herein.
- e. Construction Support Services or Construction Engineering Inspections (CEI)
- f. Revising drawings, specifications, or other documents when such revisions are inconsistent with written approval or instructions previously given or are due to causes beyond the control of DRMP.
- g. Providing professional services made necessary by the default of a contractor or by major defects in the work of a contractor in the performance of the construction contract.
- h. Any redesign due to changes required in the event additional laws, regulations, or policies are promulgated by governmental agencies subsequent to the date of this Agreement.
- i. In the event changes are requested by the County once a phase of design is complete, all work connected therewith shall be treated as additional services and paid for accordingly.
- j. Any wetland or surface water related issues, including but not limited to work related to stream buffer variances, wetland impacts and wetland mitigation issues.
- k. Any and all environmental and ecological services required for plans production or permitting shall be negotiated as an additional service.

### **I. Project Milestones**

Within fourteen (14) days after the Notice to Proceed, a schedule will be provided with detailed activities. The schedule shall indicate all required submittals and milestones. A two (2) week review time for the County for each milestone will be included in the schedule. Key milestones and elements include:

- Kick-Off Meeting
- Task 1 - Engineering Bridge Repair Memorandum
- 60% Submittal Package and Engineer's Estimate of Probable Construction Cost
- 100% Submittal Package (including responses to 60% comments)
- 100% Engineer's Estimate of Probable Construction Cost
- 100% Draft Specifications Package
- Final Plans (Signed and Sealed) (including responses to 100% comments)
- Final Engineer's Estimate of Probable Construction Cost
- Final Specifications Package (Signed and Sealed). The specifications package shall be in accordance with the FDOT and County requirements and address all items and areas of work including any Mandatory Specifications, Modified Special Provisions, and Technical Special Provisions
- Bid Tabulations

### **II. Reimbursable Expenses**

The tasks discussed herein are lump sum and include travel, mileage and incidental non-labor costs associated directly with this project.



### III. Compensation Summary

The following summarizes the fees and billing terms as proposed by DRMP for the Scope of Services as presented herein.

TASK No.	TASK DESCRIPTION	FEE
1	Engineering Bridge Repair Memorandum	\$ 14,000.00
2	Survey and SUE	\$ 21,240.00
3	Bridge Design Services	\$ 124,560.00
4	Utility Design Services	\$ 26,960.00
5	Bridge Post Design Services	\$ 10,800.00
	<b>TOTAL FEE:</b>	<b>\$ 197,560.00</b>

We sincerely appreciate this opportunity to provide professional services for this project. If you have any questions regarding this proposal, please contact our office. This Scope of Services and Fee Schedule is hereby submitted by:

**DRMP, Inc.**

A handwritten signature in blue ink that reads "Leo E. Rodriguez".

**01/23/2024**

Leo E. Rodriguez, Tampa Structures Group Leader

Date

This Scope of Services and Fee Schedule is hereby accepted by:

**Charlotte County, Florida**

Kelly Slaughter, Public Works – Project Manager

Date

Enclosed: Staff hour Summary