



# MOCK • ROOS

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CONSULTING ENGINEERS

October 30, 2019

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Mr. Duke Basha  
Assistant Purchasing Manager  
Town of Palm Beach  
P.O. Box 2029  
Palm Beach, FL 33480-2029

Ref. No. B9031.00  
Subject: E-5 Wastewater Pump Station Rehabilitation

Dear Mr. Basha:

We are submitting the attached *Proposal to Provide Professional Engineering Services for the E-5 Wastewater Pump Station Rehabilitation Project*. Please review the attached proposal and return one signed copy to our office as our authorization to proceed with the Scope of Services outlined in the proposal.

We will provide the Scope of Services on an hourly basis, plus reimbursable expenses. We anticipate the total fee to provide the Scope of Services will be \$24,804.00.

If you have any questions please contact me at 683-3113, extension 293. Thank you for using Mock•Roos on this project. We look forward to working with you.

Sincerely,

MOCK, ROOS & ASSOCIATES, INC.

Garry G. Gruber, P.E.  
Senior Vice President

GGG:jeh

Copies: Bookkeeping

## **Proposal to Provide Professional Engineering Services for the E-5 Wastewater Pump Station Rehabilitation Project**

**Services to be provided by:** Mock•Roos

**Services provided to (Town):** Town of Palm Beach

**Proposal Date:** October 30, 2019

### **Proposal Terms**

#### **A. Project Understanding:**

The Town is planning to move forward with the necessary improvements to its E-5 Wastewater Pump Station identified in the Town's March 2016 Wastewater Pump Station Assessment Report. Mock•Roos and its subconsultants (Structural and Electrical) will provide design and permitting services for the recommended improvements as outlined in **B. Scope of Services** below. The improvements to the E-5 Wastewater Pump Station will be incorporated into the drawing set for the Town's D-8 Stormwater Pump Station Rehabilitation and will be bid as one project.

Mock•Roos will provide services as outlined in **B. Scope of Services** below.

#### **B. Scope of Services:**

1. Attend a project kick-off meeting followed by an onsite meeting with the Town to review the scope of the rehabilitation. Mock•Roos' team members shall arrange and participate in meetings with the Town staff and/or others to discuss and coordinate on various technical issues/topics relating to this project.
2. Prepare typical design calculations, plans, specifications, and other required deliverables for Project components based on industry practice for such facilities to advance the Project design through 30-percent (for review/comment), 90-percent (for review/comment and Building Department submittal) and 100-percent complete documents (for preapproved contractors). Review and coordination with Town staff shall be performed to confirm the proposed improvements are in accordance with the Town's Operation and Maintenance (O&M) goals.
3. The following rehabilitation scope items were identified in the Town's 2016 Wastewater Pump Station Assessment Report as being recommended for rehabilitation within the next two to five years:

**E-5 Wastewater Pump Station Rehabilitation Scope from Condition Assessment:**

- Design for the installation of a sump pump in the valve vault
- Design an odor control system (to be located near/in the D-8 Pump Station foot print)
- Replace the existing wetwell and valve vault hatches with double leaf stainless steel traffic rated hatches improving access
- Design the replacement of the E-5 Pump Station Control Panel and relocate terminal box
- Design the replacement of conduits including explosion seal-offs and other miscellaneous electrical components associated with the wiring should be designed to bring the station up to current code
- Design electrical upgrades to accommodate the new odor control system and tie into the D-8 Pump Station

**C. Additional Services:**

1. Any services not included in the Scope of Services will be considered Additional Services. Based on the current scope of services the following items have not been included:
  - Kimley Horn is to provide the asbuilts that will be developed into a basemap and additional survey is not included
  - Easement research/acquisition is to be provided by the Town and is not included
  - Evaluation of the existing service area and the operation of the existing pump station is not included
  - Modifications to raise equipment to an elevation above where it exists today is not included
  - Landscaping modification (fiscus removal and replacement) are to be completed by the Town and are not included
  - ARCOM review is not anticipated and not included
2. Town to coordinate and obtain easements for existing pump station components and proposed improvements.
3. Bid Services have been removed as the Town intends to have this project bid with the Town's D-8 Stormwater Pump Station Project.
4. Any design changes, schedule changes, drawing changes, or other project changes requested by Client will be considered Additional Services.
5. Additional Services can be provided upon Mock•Roos receiving signed authorization from Client.

**D. Assumptions:**

1. It is assumed that the Town will facilitate access to the structural and electrical elements to be reviewed.

2. It is assumed that the plans to be provided will be for the purposes of maintaining the existing structural elements. The scope in this task does not include a load analysis, structural analysis, or certification that the structure meets any current design codes.

**E. Fees and Rates:**

1. Mock•Roos will complete these services on an hourly basis at Mock•Roos' hourly rates, plus reimbursable expenses.
2. The total fee to provide the Scope of Services is anticipated to be \$24,804.00.
3. Mock•Roos will not provide services in excess of the anticipated fee without signed authorization from Client.
4. Mock•Roos can provide Additional Services at the Mock•Roos rates in effect at that time, plus reimbursable expenses or for an agreed upon lump sum fee.

**E. Conditions:**

1. All terms become valid upon Mock•Roos receiving one complete copy of this proposal within 30 days of its date.
2. In case of discrepancies, the terms of this proposal supersede those of previous agreements.

**F. Acceptance and Authorization to Proceed:**

1. This proposal is acceptable and Mock•Roos has authorization to proceed with the Scope of Services. This authorization becomes valid upon Mock•Roos receiving a Purchase Order for these services.

MOCK•ROOS

Signed:  10/30/19

Name: Garry G. Gruber, P.E.

Title: Senior Vice President

Date: October 30, 2019



**Town of Palm Beach  
E-5 Pump Station Rehabilitation  
Design, Permitting, and Bid Phase  
(PA# B9031.00)**

Task Description	Labor Categories						Subconsultant	Total
	Project Director	Senior Project Manager	Senior Engineer	Project Engineer II	Senior Administrative Assistant			
Labor Hourly Billing Rate	\$195.00	\$175.00	\$170.00	\$125.00	\$70.00			
<b>Design and Bid Phase</b>								
1 Kick-off Meeting	2	4			2			\$ 1,230
2 Site Visits		2	2					\$ 690
3 30-Percent Completion	2	2	4	40	4			\$ 6,700
4 90-Percent Completion	2	2	4	10	2			\$ 2,810
5 Permitting and 100- Percent		8		8	2			\$ 2,540
6 Structural (Kimley Horn)						\$3,834		\$ 3,834
7 Electrical (C&W Engineering)						\$6,500		\$ 6,500
<b>Subtotal</b>	<b>\$ 1,170</b>	<b>\$ 3,150</b>	<b>\$ 1,700</b>	<b>\$ 7,250</b>	<b>\$ 700</b>	<b>\$10,334</b>	<b>Expenses</b>	<b>\$ 24,304</b>
								<b>\$ 500</b>
								<b>\$24,804</b>