



MOCK • ROOS

CONSULTING ENGINEERS

June 6, 2018

Jonathan Reinsvold, PE
Senior Engineer
Village of Wellington
12300 Forest Hill Boulevard
Wellington, FL 33414

Ref. No.: B6702.02
Subject: C-8 Canal Culvert Direct Bury Replacement
Design and Bid Phase Services

Dear Jonathan:

We are submitting the attached *Proposal To Provide Services for the C-8 Canal Culvert Direct Bury Replacement*. Please review the attached documents and return one signed copy of the *Proposal* 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 a lump sum basis for \$38,058.

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
Enclosure
Copies: Bookkeeping

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Mock, Roos & Associates, Inc.

5720 Corporate Way, West Palm Beach, Florida 33407-2066, 561-683-3113, www.MockRoos.com

Proposal To Provide Services For the C-8 Canal Culvert Direct Bury Replacement

Services to be provided by: Mock•Roos

Services provided to ("Wellington"):

Proposal Date: June 6, 2018

Proposal Terms

A. Scope of Services:

Due to the condition of the existing culverts, Wellington desires to remove and replace the culverts within the C-8 Canal crossing Forest Hill Boulevard crossing with appropriately sized new RCP culverts. Mock•Roos previously progressed a direct bury replacement installation method design to the 40-percent completion level. However, at that time, the design then proceeded to completion as a trenchless installation method. Wellington now desires to bid, as an alternate, a direct bury replacement installation method. Under this authorization, Mock•Roos will progress the original 40-percent design to completion.

Mock•Roos will perform the following scope of services:

B. Scope of Services:

Task 1 – Preliminary Engineering

1. Hydraulically evaluate up to three (3) culvert configurations using the existing ICPR system routing model previously developed for this project. Document and meet with Village staff. The task will document performance results of:
 - a. Existing culverts
 - b. Proposed Trenchless Method Option
 - c. Proposed Twin 60-inch Culverts
 - d. Proposed Twin 72-inch Culverts
 - e. Proposed Twin 84-inch Culverts

Task 2 – Design Phase Services

1. Prepare and submit a 90% construction drawings to Wellington for review. These drawings will be based on the previously submitted 40% construction drawings for direct bury method. Meet with Wellington staff and incorporate comments.

2. Permitting. Replacing and upsizing the C-8 Canal culverts will be considered as maintenance and will not require any modification to the SFWMD permit. Since there will be no measurable increase in impervious area or increase in the pump discharge peak rate or volume to the C-51 Canal as a result of this project, no additional water quality storage compensation will be required.
3. Prepare a Final Construction Sequencing Plan for Maintenance of Traffic Flow. This Plan will be based on the preliminary phasing developed with the 40% construction drawings submission. The plan will offer the bidder a sequence that will successfully facilitate construction of the improvements. The contractor will be responsible to submit its official MOT plan to Wellington and Palm Beach County prior to commencement of construction. This method may result in maintenance of traffic plan during construction that reduces Forest Hill Boulevard to one lane of traffic in each direction for a period of time. This task may include:
 - a. Finalize Potential Construction Phasing
 - b. Finalize Minimum Laneage Requirements and Standards
 - c. Evaluate Adjacent Signal Timing
 - d. Evaluate Sequencing Diagrams (Plan Sheet)
 - e. Develop Sequencing Notes and Conditions
 - f. Coordinate and meet with Wellington
4. Provide a 100% contract document package to Wellington for bidding purposes. Bid Package will be prepared to supplement Wellington's standard front-end documents so that the project can be competitively advertised and bid. The package shall include:
 - a. Final Construction Drawings
 - b. Technical Specifications
 - c. Schedule of Bid Items
 - d. Engineer's Opinion of Probable Construction Cost (EOPCC)

Task 4 – Bid Phase Services

1. Perform limited bid phase services including:
 - Attend a pre-bid meeting at Wellington
 - Respond to bidder's questions and assist Wellington to develop up to two (2) addendum
 - Provide a written recommendation of contractor award

C. Additional Services:

1. Any services not included in the Scope of Services will be considered Additional Services.
2. Additional Services can be provided upon Mock•Roos receiving a revised scope of services and approved change order from Wellington.

D. Fees and Rates:

1. The total fee to provide the Scope of Services on a lump sum basis for \$38,058.
2. Mock•Roos can provide Additional Services at the Mock•Roos rates negotiated in the Agreement dated February 3, 2016, plus any 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. This proposal serves as a supplement to the general agreement between Mock•Roos and Client dated February 3, 2016.
3. In case of discrepancies, the terms of the Agreement dated February 3, 2016 shall prevail.

F. Acceptance and Authorization to Proceed:

1. This proposal is acceptable and Mock•Roos has authorization to proceed with the Scope of Services.

MOCK•ROOS

Signed:  6/6/18

Name: Garry G. Gruber, P.E.

Title: Senior Vice President

Date: June 6, 2018

Village of Wellington C-8 Canal Culvert Direct Bury Replacement Design and Bid Phase Services						
Task Description	Senior Project Manager	Senior Engineer	Project Engineer	Administrative Assistant	Subtotal	Total
Labor Hourly Billing Rate	\$160.00	\$155.00	\$93.00	\$50.00		
Total Hours	55	108	126	12		
Task 1 Preliminary Engineering						
1 Hydrologic/Hydraulic Analysis						\$ 2,180
Perform Additional Model Runs		8			\$ 1,240	
Discuss Modeling Results	2	4			\$ 940	
Task 2 Design Phase Services						
1 Prepare 90% Construction Drawings	20	32	54	2	\$ 13,282	\$ 13,282
2 Permitting (NOT REQUIRED)					\$ -	\$ -
3 Develop Final MOT Plan					\$ -	\$ 5,920
Evaluate Adjacent Signal Timing		8	4		\$ 1,612	
Prepare Final MOT Plan (Plan, Details & Notes)	2	8	16		\$ 3,048	
Coordinate Village	4	4			\$ 1,260	
4 Prepare 100% Contract Documents					\$ -	\$ 13,012
Final Construction Drawings	16	16	40		\$ 8,760	
Technical Specifications/Front End	2	8		2	\$ 1,660	
Schedule of Bid Items		8	4	2	\$ 1,712	
EOPCC	1	4		2	\$ 880	
Task 3 Bid Phase Services						
1 Perform Bid Phase Services	8	8	8	4	\$ 3,464	
Subtotal	\$ 8,800	\$ 16,740	\$ 11,718	\$ 600	\$ 37,858	\$ 34,394
			Total Mock•Roos Labor		\$ 37,858	
			Reimbursable		\$ 200	
			Project Total		\$ 38,058	

The spreadsheet is a fee cost estimate based on specific labor classifications as noted.