

RFQ No. 2019-027

SPECIFIC AUTHORIZATION NO. 2

AVENUE B ROADWAY RECONSTRUCTION (8TH STREET TO 13TH STREET)

PROFESSIONAL SERVICES

SCOPE OF SERVICES

Pursuant to the continuing agreement related to “RFQ No. 2019-027 – Engineering Services” (hereinafter referred to as “AGREEMENT” between The City of Fort Pierce (hereinafter referred to as “CITY”) and Culpepper & Terpening, Inc (hereinafter referred to as “ENGINEER”) dated the day of _____ 2020, CITY authorizes the ENGINEER to provide professional services as detailed herein.

The CITY desires professional services related to the Avenue B Roadway Reconstruction, hereinafter referred to as the “Project”.

Section 1 - Scope of Work and Schedule of Services

ENGINEER will provide the following services in accordance with this AUTHORIZATION:

Professional consultant services are required for the preparation of engineering plans and specification package to support the design and bidding of improvements to Avenue B between 8th Street and 13th Street. The proposed services and scope of work are more particularly described in Exhibit “A”, which is attached hereto and incorporated by reference herein.

Section 2 - Deliverables

ENGINEER shall provide the following deliverables to the CITY as list below and described in Exhibit “A”, which is attached hereto and incorporated by reference herein:

Design Survey	4 Weeks from NTP
30% Design Drawings	8 Weeks from NTP
80% Design Drawings	14 Weeks from NTP
Final Construction Plans	16 Weeks from NTP

Section 3 - Method and Amount of Compensation

CITY will compensate ENGINEER for services under this AUTHORIZATION in accordance with the payment method as set forth in Exhibit “A”, which is attached hereto and incorporated by reference herein.

The budget (or fee) for the services is not to exceed \$62,970.00

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Section 4 - CITY's Responsibilities

CITY hereby designates the City Engineer or his designee as CITY's representative for matters related to this AUTHORIZATION.

Section 5 - Other Provisions

All applicable portions of the AGREEMENT not specifically modified herein shall remain in full force and effect and are incorporated by reference herein.

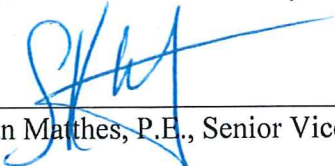
IN WITNESS WHEREOF, this AUTHORIZATION has been fully executed on behalf of the ENGINEER by its duly authorized officer, and the CITY has caused the same to be duly executed in its name and in its behalf, effective as of the date herein above written.

CITY OF FORT PIERCE, FLORIDA:

By: _____
Linda Hudson, Mayor

Date: _____

CULPEPPER & TERPENING, INC.

By:  _____
Stefan Matthes, P.E., Senior Vice President

Date: 7/23/2020

APPROVED AS TO FORM & CORRECTNESS:

By: _____
Peter J. Sweeney, City Attorney

Date: _____

CULPEPPER & TERPENING, INC.
AVENUE B RECONSTRUCTION DESIGN
CONTINUING SERVICES CONTRACT 2019-027
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Exhibit A

Project Description/Objectives:

The City of Ft. Pierce desires the survey, design and construction plan preparation services for the paving and drainage reconstruction improvements to Avenue B from North 13th Street to North 8th Street, approximately 2,060 linear feet of roadway. The roadway reconstruction shall be designed as a two lane undivided urban section with sidewalks on both side of the Right-of-Way where possible. The reconstruction shall include roadway pavement, drainage facilities, curb & gutter and sidewalks.

The Construction Plans shall be prepared in 11" x 17" format and in general accordance with the Florida Department of Transportation (FDOT) Plans Preparation documents and City of Ft. Pierce requirements and shall include the following design elements:

- Design and Right-of-Way Survey;
- Geotechnical Exploration; and
- Construction Plan Preparation
- South Florida Water Management District Permit Exemption

SCOPE OF SERVICES – EXHIBIT A

Specific services and tasks to be performed by Consultant are as follows:

PHASE 2: PRELIMINARY DESIGN SERVICES

Task 2.1 Design Survey

Consultant shall provide field data collection in sufficient detail to prepare the reconstruction plans along the entire corridor. The survey shall define the limits of the public road right-of-way. Consultant shall also prepare topographic survey of the proposed corridor including 25' outside of the proposed right of way. Record drawing information will be procured from the Ft. Pierce Utility Authority to establish the location of the existing potable water, gas, electric and sanitary sewer facilities.

Task 2.2 Geotechnical Design Exploration

Consultant shall conduct geotechnical design exploration of the roadway improvement area. The geotechnical testing shall be in accordance with the following:

- Perform 6 hand auger borings to a depth of 10 feet within and staggered across the proposed roadway corridor to explore shallow soil stratigraphy and groundwater levels.
- Perform 6 pavement cores within the existing roadway to obtain pavement section thickness
- Obtain soil samples from the auger borings for laboratory testing. This includes routine classification tests including standard sieve analysis, Atterberg Limits, organic contents, etc.
- Prepare a Roadway Soil Survey report including all data developed during the laboratory and field programs, and our recommendations relative to roadway construction. The Roadway Soil Survey report will be in general accordance with Chapter 9 of the FDOT Soils and Foundations Handbook (2011).

Client's Initials: _____

Engineer's Initials: _____

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Exhibit A

PHASE 3: FINAL DESIGN SERVICES

Task 3.1 Phase I (30%) Roadway Plan Submittal

Consultant shall provide the Client with the initial plan submittal documents in general accordance with the FDOT PPM and Florida Green Book. The Plans shall be prepared on 11" x 17" size format and comply with the City of Ft. Pierce criteria, PPM, and FDOT Design Standards. The Plan submittal requirements shall be consistent with the PPM, Volume II, Chapter 2.3.2, Phase I Submittal (30%) and include the following components:

- Key Sheet (Preliminary)
- General Notes/Summary of Pay Items (Preliminary)
- Typical Sections (Preliminary)
- Project Layout Sheets @ 100 scale (Preliminary)
- Roadway Plan Sheets @ 40 Scale (Preliminary)
- Profile Sheets @ 40 Scale (Preliminary)
- Cross Sections @ 100' intervals (Preliminary)
- Roadway Soil Survey (Final)

This task shall include a review meeting with the City of Ft. Pierce. Consultant shall also provide the following items commensurate with the development of the 30% Plan information:

- Geotechnical Report
- Engineer's Estimate of Probable Construction Cost commensurate with the development of the 30% Plan information.

Task 3.2 Phase II (80%) Roadway Plan Submittal

Consultant shall provide the Client with the initial plan submittal documents in general accordance with the FDOT PPM and Florida Green Book. The Plans shall be prepared on 11" x 17" size format and comply with the City of Ft. Pierce criteria, PPM, and FDOT Design Standards. The Plan submittal requirements shall be consistent with the PPM, Volume II, Chapter 2.3.2, Phase II Submittal (80%) and include the following components:

- Key Sheet (Preliminary)
- General Notes/Summary of Pay Items (Preliminary)
- Typical Sections (Complete, subject to Change)
- Project Layout Sheets @ 100 scale (Complete, subject to Change)
- Roadway Plan Sheets @ 40 Scale (Complete, subject to Change)
- Profile Sheets @ 40 Scale (Preliminary)
- Cross Sections @ 100' intervals (Preliminary)
- Roadway Soil Survey (Final)
- Stormwater Pollution Prevention Plan (Preliminary)
- Traffic Control Plan (Preliminary)
- Signing & Pavement Marking Plan (Preliminary)

This task shall include a review meeting with the City of Ft. Pierce. Consultant shall also provide the following items commensurate with the development of the 80% Plan information:

- Response to comments received from the City of Ft. Pierce.
- Engineer's Estimate of Probable Construction Cost commensurate with the development of the 80% Plan information.

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Engineer's Initials: _____

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Exhibit A

Task 3.3 Project Permitting

Consultant shall provide permit submittals to the following agencies for the construction of the project:

SFWMD "Permit Exemption"

A Permit Exemption shall be submitted to the SFWMD for the proposed project improvements. The permit Exemption shall include the documentation required to allow the SFWMD to issue the Exemption.

Task 3.4 Phase III (100%) Plan Submittal

Consultant shall provide the Client with the final plan for roadway section to be constructed. The plans shall be in general accordance with the FDOT PPM and Florida Green Book. The Plans shall be prepared on 11" x 17" size format and comply with the City of Ft. Pierce criteria, PPM, and FDOT Design Standards. The Plan submittal requirements shall be consistent with the PPM, Volume II, Chapter 2.3.2, Phase IV Submittal (100%) and include the following components:

- Key Sheet (Final)
- General Notes/Summary of Pay Items (Final)
- Typical Section (Final)
- Project Layout Sheets @ 100 scale (Final)
- Roadway Plan Sheets @ 40 scale (Final)
- Profile Sheets @ 40 scale (Final)
- Cross Sections @ 100' intervals (Final)
- Roadway Soil Survey (Final)
- Stormwater Pollution Prevention Plan (Final)
- Traffic Control Plan (Final)
- Signing & Pavement Marking Plan (Final)

This task shall include a review meeting with the City of Ft. Pierce. Consultant shall also provide the following items commensurate with the development of the Final Plan information:

- Response to comments received from the City of Ft. Pierce.
- Engineer's Estimate of Probable Construction Cost commensurate with the development of the Final Plan information.
- Bid Document Preparation:

Consultant shall prepare the standard technical specifications and special provisions required for inclusion in the Bid Documents. The technical specification and special provision shall be prepared in the standard County bid format included in the Technical Specification section of the Bid Documents.

Task 3.5 Utility Easements (If required)

Consultant shall provide the Client with sketch & descriptions of utility easements required for underground electrical equipment. This task shall be on an hourly basis as needed by the City.

PHASE 4: BIDDING SERVICES

Task 4.1 Bid Assistance

Consultant shall provide the following assistance to City of Ft. Pierce as part of the bidding process:

- Prepare for and attend the pre-bid meeting for the project.
- Provide City of Ft. Pierce with responses to request for information and/or questions that arise from the meeting.
- Provide necessary plans changes from comments during the bidding process.
- Review bid tabulations prepared by City of Ft. Pierce and provide recommendations of award.
- Issue "Approved for Construction" plan sets to the contractor

Client's Initials: _____

Engineer's Initials: _____

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Exhibit A

PHASE 5: SERVICES DURING CONSTRUCTION

Not Included

PHASE 6: POST CONSTRUCTION SERVICES

Not Included

EXCLUSIONS

Specific exclusions from this Work Authorization are listed as follows:

1. Utility Relocation Design
2. Preparation of Temporary Construction Easements
3. Title work to determine Right-of-Way to be provided by Client. Resolution of Right-of-Way issues to be provided as additional service.
4. Dewatering Permit to be applied for by Contractor

SCHEDULE – EXHIBIT B

Work will commence upon written notification to proceed. Duration is estimated to be 8 months. Milestone submittal dates for each task based upon a Notice To Proceed of August 3, 2020 is provided as follows:

<u>Task</u>	<u>Submittal Date</u>
Task 2.1: Design Survey	08/31/2020
Task 2.2: Geotechnical Report	08/31/2020
Task 3.1: Phase I, 30% Plan Submittal	10/02/2020
Task 3.2: Phase II, 80% Plan Submittal	11/30/2020
Task 3.3: Project Permitting	12/04/2020
Task 3.5: Phase IV, 100% Construction Plan Submittal	12/30/2020
Task 3.5: Bid Documents	12/30/2020

The project deliverables associated with the project will be delivered to the City of Ft. Pierce in accordance with the schedule provided above. Three (3) hard copies and PDF and Auto Cadd electronic files of each of the deliverables will be as follows:

- 30% Plans - 11" x 17" Format
- Geotechnical Report
- 80% Plans - 11" x 17" Format
- Permit Applications
- 100% Plans – 11" x 17" Format
- Technical Specifications & Bid Form

Client's Initials: _____

Engineer's Initials: _____

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COMPENSATION – EXHIBIT C

Services will be provided in accordance with the Continuing Services Contract No. 2019-027. Payment will be as follows on a percent complete basis:

<u>Phase/Task</u>	<u>Description</u>	<u>Task Fee</u>	
Phase 2			
Preliminary Design Services			
Task 2.1	Design Survey	\$ 10,520.00	NTE
Task 2.2	Geotechnical Design Exploration	\$ 3,240.00	NTE
Phase 3			
Final Design Services			
Task 3.1	Phase I (30%) Roadway Plan Submittal	\$16,750.00	NTE
Task 3.2	Phase II (80%) Roadway Plan Submittal	\$17,440.00	NTE
Task 3.3	Project Permitting	\$ 800.00	NTE
Task 3.4	Phase III (100%) Roadway Plan Submittal	\$ 8,840.00	NTE
Task 3.5	Utility Easements (If Required)	\$ 3,120.00	T&E
Phase 4			
Bidding Services			
Task 4.1	Bidding Assistance	\$ 1,760.00	NTE
	Reimbursable Expenses	<u>\$ 500.00</u>	T&E
	Total Fees	\$62,970.00	

NTE = Will be billed on an hourly basis Not to Exceed the amount shown without approval from the Client.

Authorization to work will be provided by a work authorization issued by City of Ft. Pierce. Work will be performed under terms and conditions of our City of Ft. Pierce Consultant Agreement.

Client's Initials: _____

Engineer's Initials: _____