

**EIGHTH AMENDMENT TO AGREEMENT #2015-19 PROFESSIONAL ENGINEERING SERVICES FOR THE WIDENING OF PRICE BOULEVARD FROM SUMTER BOULEVARD TO TOLEDO BLADE BOULEVARD**

This Eighth Amendment to *Agreement #2015-19 Professional Engineering Services for the Widening of Price Boulevard, from Sumter Boulevard to Toledo Blade Boulevard*<sup>1</sup> for (“Eighth Amendment”), is made and entered into by and between the City of North Port, Florida, a municipal corporation of the State of Florida and whose address is 4970 City Hall Boulevard, North Port, Florida 34286 (“City”) and Consor Engineers, LLC, a Florida limited liability company, which is registered to conduct business in the State of Florida and whose address is 155 North Wacker Drive, Suite 4150, Chicago, Illinois 60606 (Consultant”).

**RECITALS**

**WHEREAS**, on or about September 28, 2015, the parties entered into *Agreement #2015-19 Professional Engineering Services for the Widening of Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard* (the “Original Agreement”); and

**WHEREAS**, on or about August 1, 2016, the Original Agreement was amended (“First Amendment”) to change the scope to add three public meetings; to increase compensation \$26,270.00; and to extend the time 365 days; and

**WHEREAS**, on or about March 2, 2018, the Original Agreement was amended (“Second Amendment”) to change the scope to add various work; to increase the compensation \$887,839.67; and to extend the time 487 days; and

**WHEREAS**, on or about June 26, 2018, the Original Agreement was amended (“Third Amendment”) to change the scope to the design of stormwater ponds as wet ponds; to increase the compensation \$368,742.96; and to extend the time 488 days; and

**WHEREAS**, on or about May 4, 2020, the Original Agreement was amended (“Fourth Amendment”) to extend the time 364 days; and

**WHEREAS**, on or about July 5, 2021, the Original Agreement was amended (“Fifth Amendment”) to extend the time 60 days; and

**WHEREAS**, on or about January 25, 2023, the Original Agreement was amended (“Sixth Amendment”) to change the scope to update plans and redesign waterway crossings; to increase the compensation \$1,218,827.95 : and to extend the time 1,038 days; and

**WHEREAS**, on or about August 3, 2023, Consultant’s name and address changed to Charlotte Engineering and Surveying, LLC, whose address is 2818 Wesley Chapel, Florida 33544; and

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<sup>1</sup> Scope of the design extends from Myakkahatchee Bridge to Toledo Blade Boulevard

**WHEREAS**, on or about October 24, 2023, the Original Agreement was amended (“Seventh Amendment”) to change the scope to add force mains for utilities; and to increase the compensation \$175,125.00; and

**WHEREAS**, on or about January 1, 2024, the City Manager approved pursuant to Section 13 of the Original Agreement the assignment of Consultant’s obligations and rights to Consor Engineers, LLC; and

**WHEREAS**, the parties mutually desire to amend the Original Agreement (“Eighth Amendment”) to change the scope to design the road widening and related drainage infrastructure for the approximately 1500-foot distance between the proposed four-lane section at the Myakkahatchee Creek bridge and the existing four-lane section at the Sumter Boulevard intersection; to increase the compensation \$218,988.00; and to extend the time 366 days; and

**NOW THEREFORE**, in consideration of the mutual covenants contained herein, the sufficiency and receipt of which are acknowledged, the parties agree that the Original Agreement is amended as follows, with all other terms in the Original Agreement remaining unchanged and in full force and effect:

**1. EFFECT OF AMENDMENT/EFFECTIVE DATE**

- A. The parties ratify the terms and conditions of the Original Agreement not inconsistent with this Eighth Amendment, all of which are incorporated by reference as if set forth fully herein. This Eighth Amendment modifies the sections of the Original Agreement as identified herein. Where a section of the Original Agreement is not identified, the terms as they appear in the Original Agreement remain and apply.
- B. All references to this “Agreement” in the Original Agreement and this Eighth Amendment mean and include both the Original Agreement and this Eighth Amendment.
- C. This Eighth Amendment is effective as of the date the last party approves or executes it, as applicable (the “Effective Date”), and shall continue as otherwise provided in the Original Agreement.

**2. ORIGINAL AGREEMENT** identifies the Consultant as Charlotte Engineering and Surveying , Inc. a wholly owned subsidiary of American Consulting Engineers of Florida, LLC. Effective August 3, 2023, the Consultant’s name and address changed to Charlotte Engineering and Surveying LLC, a foreign limited liability company whose principal address is 2818 Cypress Ridge Boulevard, Suite 200, Wesley Chapel, FL 33544; effective January 10, the Consultant merged the companies and is now known as Consor Engineers, LLC.

### 3. ORIGINAL AGREEMENT – SECTION 18 NOTICES

Section 18 – Notices, is hereby amended to read in its entirety as follows:

Any notice, demand, communication, or request required or permitted by this Contract must be sent by certified mail, return receipt requested, or by delivery through any nationally recognized courier service (Federal Express, UPS, USPS, and others) that provides evidence of delivery, at the address provided for receipt of notices in this Contract and e-mailed to:

As to the City: Anthony Friedman, P.E., PTOE, Transportation Engineer, City of North Port  
Department of Public Works  
1100 N. Chamberlain Boulevard  
North Port, Florida 34286  
(941) 240-8098  
afriedman@northportfl.gov

With copies of claims  
and demands sent to: City of North Port, Florida  
City Attorney's Office  
4970 City Hall Boulevard  
North Port, Florida 34286  
northportcityattorney@northportfl.gov

As to Consultant: **Conzor Engineers, LLC**  
William Adams, P.E., Project Manager  
2041 Vista Parkway, Suite 101  
West Palm Beach, Florida 33411  
(561) 253-9567  
wadams@acp-fl.com

Notices are effective when received at the addresses specified above. Changes to the respective addresses may be made from time to time by either party by written notice. This Section must not be construed to restrict the transmission of routine communications between representatives of the Contractor and the City.

### 4. ORIGINAL AGREEMENT SECTION 2 - COMPENSATION AND PAYMENT FOR CONSULTANT'S SERVICES

Section 2A.1. to the Original Agreement is amended to read in its entirety as follows:

#### A. COMPENSATION

1. CONSULTANT shall receive a not to exceed amount of FOUR MILLION FIVE HUNDRED FORTY NINE THOUSAND THREE HUNDRED THIRTY-FIVE DOLLARS AND 97 CENTS (\$4,549,335.97) as compensation for its services. This compensation shall include all

profit, direct and indirect labor costs, personnel related costs, overhead and administrative costs, travel related out-of-pocket expenses and costs, and all other costs which are necessary to provide the services as outlined in this Agreement. The Scope of Services and Fee Schedule (Attachments A and B, respectively) are attached hereto and incorporated within.

**5. ORIGINAL AGREEMENT ATTACHMENT A – SCOPE OF SERVICES AND FEE SCHEDULE**

Attachment A – Scope of Services for the Original Agreement is amended to add to the scope of the Eighth Amendment as attached.

**6. ORIGINAL AGREEMENT ATTACHMENT C – PROJECT SCHEDULE**

Attachment C – Project Schedule for the Original Agreement is amended to extend the time as attached.

**IN WITNESS WHEREOF**, the parties have executed this Eighth Amendment as follows.

*(This space intentionally left blank; signature pages follow)*

**CONSULTANT**  
CONSOR ENGINEERS, LLC

*Matthew P. Cass*

By: \_\_\_\_\_  
Name: Matthew P. Cass  
Title: Corporate Secretary

**ACKNOWLEDGEMENT**

STATE OF North Carolina  
COUNTY OF Orange

The foregoing instrument was acknowledged before me by means of  physical presence or  online notarization, this 30<sup>th</sup> day of January 2024 by Matthew P. Cass (name), as Corporate Secretary (title) for Conсор Engineers, LLC (entity).

*Linda DiFranco*  
Notary Public

Personally Known OR  Produced Identification  
Type of Identification Produced \_\_\_\_\_  
My commission expires on 04-26-2026



Approved by the City Commission of the City of North Port, Florida on \_\_\_\_\_, 202\_\_.

CITY OF NORTH PORT, FLORIDA

\_\_\_\_\_  
A. JEROME FLETCHER II, ICMA-CM, MPA  
CITY MANAGER

ATTEST

\_\_\_\_\_  
HEATHER FAUST, MMC  
CITY CLERK

APPROVED AS TO FORM AND CORRECTNESS

\_\_\_\_\_  
AMBER L. SLAYTON, B.C.S.  
CITY ATTORNEY

**EXHIBIT A – SCOPE OF WORK AND DESIGN FEE  
AMENDMENT EIGHT TO CONTRACT 2015-19**

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## **ATTACHMENT A –SCOPE OF SERVICES**

Widening of Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard

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## **1.00 PROJECT OBJECTIVE AND DESCRIPTION**

- 1.01 Services required of the CONSULTANT involve furnishing, providing, and performing engineering analysis, design, plan preparation, contract bid documents as per sub-article 4.02.4; permitting services, and services during construction in connection with the planned widening of Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard. Planned improvements to the roadway include widening from 2 to 4 lanes, drainage design, utility coordination and design of pipe infrastructure improvements, signal improvements, access management, roadway lighting and permitting. The proposed roadway improvements are to be constructed within the existing Price Boulevard right-of-way. Right-of-way will be required for drainage ponds and intersection corner clips.
- 1.02 This Project shall be designed by the CONSULTANT upon receipt of a written Notice to Proceed (NTP) with services to be provided as more particularly described herein.

## **2.00 PROJECT PHASING AND DESIGN LIMITS**

CONSULTANT shall provide professional consulting services to the CITY, consisting of two (2) distinct phases hereinafter known as the "Project".

- 2.01 Phase 1 shall consist of preparation of 60%, 90% and final (100%) plans for Price Boulevard. The project will be designed and permitted as one project. However, two sets of construction and bidding documents will be prepared to accommodate funding constraints. Compensation for services provided in Phase 1 shall be Lump Sum.
- 2.02 Phase 2 will consist of post-design services. The consultant shall provide services during bidding and limited services during construction for shop drawing review and approval, response to requests for information from the contractor, closure of project related regulatory permits and as-built information review and certification for compliance to the construction plans and specifications. Compensation for services provided in Phase shall be Time and Materials with a not to exceed maximum.
- 2.03 The design limits are from east of Sumter Boulevard to the west side of Citizens Parkway (west of Toledo Blade Boulevard), a distance of about 2.7 miles. The Price Boulevard improvements will tie into the existing 4-lane segments at each end of the project limits.

### **3.00 QUALIFICATIONS DURING TERM OF SERVICES**

The CONSULTANT shall provide all engineering services for the Project, in accord with and of a quality, meeting the minimum design standards established by the City of North Port.

### **4.00 BASIC SERVICES - SCOPE AND RESPONSIBILITY REQUIREMENTS**

The CONSULTANT will provide the following customary basic services for the Project;

#### **4.01 Project Schedule:**

The CONSULTANT shall prepare, furnish and maintain a bar chart schedule, incorporated herein by reference as Schedule "C" for the Project design services. In preparing the bar chart schedule, the scheduling of all design activities shall be the responsibility of the CONSULTANT. The schedule shall be submitted to the CITY within 10 working days of receiving NTP for review.

#### **4.02 Design, Construction Plans and Bidding Documents:**

4.02.1 Subject plans shall include design and construction requirements for roadway improvements; driveway/sidewalk improvements; potable water, sanitary sewer, and re-use water utility improvements; drainage improvements; temporary sheet piling for CMU replacement at three waterway crossings; extension of 3-Sided Bridge Culvert at MacCaughey Waterway; Permanent Sheet Pile Weir at 2 waterway crossings; temporary signal designs at three intersections; permanent mast arm design at Salford Boulevard, Cranberry Boulevard; and Chamberlain Boulevard intersections; special light pole (spread footings or shafts) foundation designs; landscaping, hardscaping and irrigation; street lighting; other incidental design items within the Project limits. Maintenance of traffic plans and sequences of construction shall be provided. The above designs and plans shall be prepared in accordance with current standards adopted by the American Association of State Highway and Transportation Officials, the Florida Department of Transportation, the City of North Port, as listed hereinafter or as will be made known to the CONSULTANT during performance of all services for the Project.

Specific improvements are as follows:

- (a) Typical Section: 4 – 11 foot lanes with 5 foot bike lanes; 19.5 foot landscaped median; Type F curb and gutter; and 8 foot sidewalk adjacent to the curb and gutter. Price Boulevard is to be centered within the existing 100 foot right-of-way (ROW).

- (b) Key Design Criteria
  - 1.) Design speed will be 45 mph.
  - 2.) Design vehicle – WB 50
  - 3.) Access management class 5

4.02.2 Two sets of construction plans and bidding documents shall be prepared to accommodate construction of the improvements in two construction contracts.

4.02.3 Specific design and construction references, aids and standards shall include, but will not necessarily be limited to the materials listed below. These design reference materials shall be the latest edition materials in effect at the time of performance of the Services Agreement for the project. The controlling roadway design standards will be those presented in the Florida Green Book (See item 4.02.3 (a)).

- (a) Manual of Uniform Minimum Standards for Design, Construction, and Maintenance for Streets and Highways, latest edition (Florida Green Book)
- (b) FDOT Drainage Manual
- (c) FDOT Basis of Estimates and Computations Manual
- (d) FDOT Standard Specifications for Road and Bridge Construction
- (e) Manual on Uniform Traffic Control Devices
- (f) Current FDOT Roadway Design Standards Indexes
- (g) Utility Manual (Volume I-Utilities); and, AWWA Standards
- (h) AASHTO Policy on Design of Urban Highways and Arterial Streets
- (i) FDOT Geotechnical Guidelines
- (j) City of North Port Standards
- (k) SWFWMD Standards
- (l) FDOT Structure Design Guidelines
- (m) City of Northport Utilities Standard Details and Specifications.

4.02.4 Subject contract bidding documents will be assembled by the CITY.

To be supplied by the CONSULTANT:

- (a) Special Provisions
- (b) Technical Specifications (based on FDOT Standard Specifications for Road and Bridge Construction, 2015 edition, See Section 4.17)
- (c) Contract Plans, including the following categories:
  - Roadway Plans including Structure, Signal, Lighting, Landscaping, Signing and Pavement Markings, and

## Maintenance of Traffic Plans, Utility Design and Adjustment Plans.

- (d) Bid Schedule
- (e) Engineers Construction cost estimate

“Front End” documents to be supplied by the CITY include:

- (a) Advertisement for Bids (Legal Notice)
- (b) Instruction to Bidders
- (c) Project Sign
- (d) Bid Bond
- (e) Contract Form
- (f) Contractor’s Guarantee
- (g) Contractor’s Affidavit and Release of All Claims
- (h) Certificate of Corporate Principal
- (i) Contractor’s Payment and Performance Bond
- (j) General Conditions

#### 4.03 Plans and Design Submittals:

##### 4.03.1 Conceptual Design Analysis

A concept design analysis will be performed for the proposed improvements in preparation for a 15% Line and Grade meeting between the CITY and CONSULTANT. The analysis will address:

- (a) Finalizing the proposed typical section
- (b) Horizontal and vertical alignment
- (c) Storm drainage design and pond locations
- (d) Access management
- (e) Permitting requirements
- (f) Potable water, sanitary sewer, and re-use water facilities
- (g) Maintenance of Traffic Concepts

##### 4.03.2 Review Plans:

All plans submitted to the CITY for the purpose of 60%, 90% and 100% review will be 11” x 17” in size with screened planimetrics background. Plans submitted for the Final completion interval shall be 11” x 17” in size with screened planimetrics background and shall be to the scale as determined in subarticle 4.03.3.1. During the design stage the CONSULTANT shall submit the following:

- (a) Three (3) sets of progress plans for review by the CITY at 60%, 90% and Final completion intervals.
- (b) Two (2) sets of plans for affected utilities at 60% and 90% design completion intervals only.

## 4.03.3 Final Plans:

All final design plans shall be 11" x 17" in size and all adopted scales shall be as outlined under subarticle 4.03.3.1. Aerial photographic base maps are not required. The CONSULTANT shall submit the following final plans for the Project:

- (a) Two (2) set of prints and technical specifications signed and sealed in accordance with applicable Florida Statutes. The final signed sets will also be updated to include any Addenda prior to construction.
- (b) CD with AutoCadd compatible files

## 4.03.3.1 Plan Scales for 11" x 17" Plan Sheets

	<u>Description</u>	<u>Horizontal Scale</u>	
(a)	Typical Section Sheet(s)	1"	10'
(b)	Roadway Plan & Profile Sheets	1"	40' (Vertical Profile scale 1" – 5')
(c)	Roadway Cross Sections	1"	10' (Vertical scale 1" – 5')
(d)	Traffic Control Plans	1"	40'
(e)	Utility Plan Sheets	1"	40'
(f)	Landscape and Irrigation Plans	1"	40'
(g)	Signal Plans	1"	20'
(h)	Signing and Pavement Marking Plans	1"	40'
(i)	Lighting Plans	1"	40'
(j)	Other Plans Sheets to be prepared at scales approved by the CITY		

## 4.03.4 Design Computation Documents:

All of the following record documents shall be submitted to the CITY by CONSULTANT, or Sub-Consultant as applicable, at the time of final acceptance or otherwise as noted elsewhere in this scope of services document, neatly bound in an 8 ½" x 11" format or as to the satisfaction of the CITY. All review comments made on design documents or reports submitted as listed below shall be responded to and incorporated into the documents as applicable and such documents or reports shall be resubmitted to CITY at the following design interval submittal date as requested. All plans, specifications, and/or reports prepared or obtained under this Agreement shall be considered works made for hire and shall become the property of the CITY and shall be made available, upon request, to the CITY at any time. Submittals of design computations shall include, but not necessarily be limited to the following:

- (a) Two (2) copies of Technical Memorandum that should list all design criteria that CONSULTANT will be utilizing during plans development of the Project two weeks after NTP date.
- (b) Two (2) copies, signed and sealed, of survey field notes at 100% design interval.
- (c) Two (2) copies of design computations that shall include, but not necessarily be limited to, horizontal and vertical alignment design and storm sewer tabs at 100% design interval.
- (d) One (1) copy of bid documents as outlined under subarticle 4.02.4 at 100% design intervals.
- (e) One (1) copy of probable construction cost estimates at 60%, 90% and 100% design intervals.
- (f) Two (2) copies of required environmental permit applications for the Project as listed under article 4.08.3 of this scope of services prior to submittal of 100% plans and as amended due to permitting agencies reviews.
- (g) Project correspondence required to document design decisions reached during development of the plans at each design review interval as applicable.

#### 4.04 Design Survey:

Conduct an existing-condition field survey of existing ground conditions within the project limits.

The survey shall be limited to the areas described below:

- Price Boulevard: From 400 feet east of Sumter Boulevard to 1,400 feet west of Toledo Blade Boulevard.
- Salford Boulevard, Cranberry Boulevard, and Chamberlain Boulevard: 600 feet north and south of the Price Boulevard right-of-way lines.
- All other side streets: 100 feet north and south of the Price Boulevard right-of-way lines.
- Driveways shall be located to the connection point with the structure.
- Septic fields limits shall be located to the nearest side to the roadway, based upon the topographic relief, no sub-surface location of the septic areas will be done.
- Conduct a topographic survey of utility facilities at grade within the limits described in the preceding paragraph of this Article. The survey data shall be shown on the construction plans, and shall include station location and offset distances left or right of the centerline of construction or survey baseline. The topographic survey of utilities shall include, but not necessarily limited to telephone, cable, power, gas, water and sanitary sewer facilities.

This survey will be completed using Low Altitude Mapping Photography (LAMP) and conventional field survey data collection. The survey data shall include stationing, existing grades, and offset distances left or right of the centerline construction and/or baseline survey. Existing storm sewer facilities, which will be affected by the improvements, shall also be surveyed to include grate elevations, flow-line grades, invert elevations, and any other data useful for the drainage designs.

Utility information secured directly from the above utility owners and the CITY shall also be shown in the plans.

The following field survey tasks shall be performed by the CONSULTANT:

4.04.1 Horizontal Control:

The CONSULTANT shall establish a network of horizontal control points that will be outside the limits of construction. These control points shall be durable, and adequate for GPS observation. All coordinates will be based on the State Plane Coordinate System, Florida West Zone, 1983 datum (2011 correction).

4.04.2 Vertical Control Survey:

Establish a permanent benchmark system on the baseline control line or along other alignments and/or locations, subject to the pre-approval of the CITY. All benchmarks shall be set at intervals not exceeding 300 feet center-to-center. Project vertical datum shall be North American Vertical Datum (NAVD) 1988.

4.04.3 Survey Baseline:

The CONSULTANT shall establish a baseline of survey for each roadway. This survey baseline shall be referenced at both ends of each roadway. All coordinates will be based on the State Plane Coordinate System, Florida West Zone, 1983 datum.

4.04.4 Baseline Referencing:

CONSULTANT shall reference important points along the survey baseline to perpetuate the alignment. At a minimum references will be at every PC, PT, and POT at a maximum of 500 foot spacing.

4.04.5 Low Altitude Mapping Photography:

Furnish all aerial photography, photogrammetry, and related products for the total project in accordance with FDOT "Outline Specifications

Aerial Surveys / Photogrammetry for Transportation Projects" Topic No. 550-020-002-b.

The following procedures shall be utilized for this project: 3D topographic survey along main corridor and side streets:

1) Flight: Perform the flight utilizing helicopter at 350 feet above grade using a high precision aerial mapping camera with (FMC) forward motion compensation and with an average weighted resolution of 105 and above. Photography shall be delivered at a scale of approximately 1" = 50', the negative scale for this accuracy is 1" = 250'

2) Field Survey: Aerial targets shall be placed right and left of the alignment and spaced along the project as directed by the photogrammetrist. Target size is specified by the photogrammetrist and shall have a contrasting black and white pattern. Horizontal values and vertical elevations are required on all targets.

4.04.5 Topography:

After establishing the survey baseline, the CONSULTANT shall perform a topographic survey tying in all topography on both sides of the baseline of survey, and within the limits set at the beginning of Article 4.04. Topographic survey shall include above ground utilities, and the areas obscured from the LAMP.

4.04.6 Digital Terrain Model:

A digital terrain model (DTM) will be prepared for the project within the limits identified in Article 4.04. The DTM will be compiled by the photogrammetrist, using the supplemental survey and obscured area survey from the field surveyor. The final DTM shall be in microstation format, and shall be compliant to FDOT standards.

4.04.7 Driveway Surveys:

The CONSULTANT shall survey all intersecting driveways along the PROJECT. The survey shall consist of alignment, profile and topography and station tie to the PROJECT survey line. Survey shall extend up each driveway to the point of connection with the building or structure.

4.04.8 Subsurface Utilities:

The CONSULTANT shall provide Quality Level "B" subsurface utility designation on major utilities throughout the PROJECT within the area



of improvement (Quality Level B involves the use of surface geophysical techniques to determine the existence and horizontal position of underground utilities). The CONSULTANT shall provide Quality Level "A" subsurface utility locates (Quality Level A involves the use of nondestructive digging equipment at critical points to determine the precise horizontal and vertical position of underground utilities, as well as the type, size, condition, material, and other characteristics), Verified Vertical and Horizontal Utility (Vvh) Location Test Holes to be performed at conflict locations with proposed drainage, lighting and any other structure deemed necessary by the project engineer, up to 206 (two hundred six) locations. The CONSULTANT shall provide Quality Level "A" cross-trench utility clearing services at each signal mast arm as described in section 4.13 (up to 6 mast arm locations). City of Northport Utilities shall be notified prior to any subsurface investigation, when SUE is to be performed in the area of any Northport Utilities, the City will have representatives on site. The CONSULTANT shall provide a surveyed location of the aforesaid Quality Level "A" and "B" Utility Designation and Location.

#### 4.04.9 Drainage Survey:

CONSULTANT shall locate the size, type and inverts of all drainage features, including control structures at the 4 drainage canals. Channel sections will be taken upstream and downstream of the canal culverts for hydraulic modeling. Channel sections will be taken at the following locations:

- Blueridge Waterway: Every 50 feet for 200 feet upstream and 100 feet downstream.
- McCaughley Waterway: Every 50 feet downstream for 100 feet, and on upstream side halfway between the headwall and the pedestrian bridge, and between the pedestrian bridge and the seawall/control structure.
- Lagoon Waterway: Every 50 feet for 100 feet downstream, and on the upstream side, midway between the control structure and the pedestrian bridge, and 10 feet, 60 feet, and 110 feet North of pedestrian bridge,
- Creighton Waterway: Sections 10 feet, and 60 feet South of the headwall on the South (downstream) side, and on the upstream side sections 10 feet North of the Headwall, and 10 feet South of the seawall/control structure.

#### 4.04.9 Right of Way Survey:

CONSULTANT shall survey the adjacent Blocks to establish the platted Right of Way through the project corridor. This includes the side streets and canal Right of Way and known easements. The Existing Right of Way survey will result in plan sheets at a scale of

1"=40' showing all existing Rights of Way. This existing Right of Way plan will be the basis for acquisition of new Right of Way, described in Section 4.19.

#### 4.05 Subsurface Investigation and Pavement Design:

Conduct subsoil tests and furnish data for roadway. Performance of borings, samples, soils in situ testing, laboratory testing, and classification will be undertaken in accordance with the Florida Department of Transportation Soils and Foundations Manual, Topic No. 675 020 012 a. The frequency of borings, sampling and testing shall be as described below.

The resultant data and a listing of the classification for the various strata obtained as part of the soil borings testing will be shown on the roadway cross section sheets. A soil survey sheet, showing the table of classification for the various strata and recommendations for undercutting and site preparation shall be included in the design drawings. The results of field samples and testing, and the recommendations for roadway construction shall be included in a separate formal geotechnical report as indicated below. Geotechnical investigations of existing subsurface conditions will be analyzed by the CONSULTANT and shall serve as the basis for roadway embankment construction, subgrade preparation, and to establish geotechnical design criteria and parameters.

##### 4.05.1 Soil Standard Penetration Test (SPT) Borings:

SPT borings shall be performed at 500 foot intervals along the proposed roadway improvements for purposes of determining soil characteristics, unsuitable materials, and ground water levels for both roadway and drainage design applications. Up to 30 soil borings shall be performed with the depth of 15 feet bls. The total maximum linear feet of drilling will be less than 450 feet. Each additional soil boring ranging from 5 feet to 15 feet shall be performed at an additional cost as shown on the fee proposal.

SPT borings shall be performed at each proposed signal mast arm location. Twelve (12) mast arms are anticipated.

SPT borings shall be performed at each proposed pond locations. Up to six (6) ponds are anticipated.

SPT borings shall be performed at the four water crossing locations and where the existing pedestrian bridge over the canal is required to be relocated.

##### 4.05.2 Field Tests:

Up to eight (8) percolation tests shall be performed at pond sites. Each additional percolation test shall be performed at an additional cost per test as shown on the fee proposal.

4.05.3 The CONSULTANT shall prepare and submit two (2) copies signed and sealed of geotechnical report upon completion of the subsurface investigation and analysis stating recommendations for roadway preparation. This report shall include all pertinent field site data boring logs, sketches, LBR test information and other information pursuant to the Florida Department of Transportation Soils and Foundations Manual. The evaluation will include specific discussions regarding undercutting of deleterious material, effect of groundwater conditions, identification of materials encountered and use of each stratum, for use in the construction phase.

4.05.4 Pavement

4.05.4.1 Evaluation of Pavement:

The CONSULTANT is not required to perform a structural pavement analysis of the existing roadway. The existing pavement will be removed as part of this Project.

4.05.4.2 Design of New Pavement:

The CONSULTANT is required to perform a pavement design for this Project.

4.05.5 Laboratory Tests:

Testing of soil samples obtained from the borings shall include:

1. Up to five (5) limerock bearing ratio tests
2. Up to thirty (30) sieve analysis
3. Up to five (5) organic content tests
4. Up to five (5) Atterberg limits
5. Up to five (5) natural moisture content tests

Each additional test shall be performed at an additional cost as shown on the fee proposal.

4.06 Utility Coordination and Design:

4.06.1 The CONSULTANT shall coordinate with all utility owners of private and public utility facilities within the project limits. The CONSULTANT shall conduct a predesign conference meeting with affected utility owners and CITY representatives for the Project. The CONSULTANT

shall also conduct an initial design conference with the CITY's Utility staff. The time of such meeting should take place as soon as practical after contract award and prior to the CITY adopting the roadway typical section. The results of these meetings and coordination with utility design concept plan shall be incorporated into the initial 15% Line and Grade preliminary design plans for review and discussion at this first design milestone. The CONSULTANT shall also conduct a design conference meeting with CITY at the 15%, 60% design and 90% design submittals which includes the utilities design and supporting engineering documentation (including the Engineer's Estimate of Probable Construction Cost at 60%, 90%, and Final (Bid Plans). In addition to these design conference meetings, the CONSULTANT shall conduct regular periodic internal design coordination meetings to ensure that the utility design is consistent with the roadway, sidewalk, stormwater, lighting, and other key design elements.

- 4.06.2 The CONSULTANT shall perform, provide, and furnish utility engineering, design, and plan preparation services for improvements to the CITY'S potable water, sanitary sewer, and re-use water facilities. Based on the scope clarification meeting (4/21/2015 and 5/5/2015), the CITY identified the following facilities within the limits of the project area that shall be included in this scope:

1. Wastewater Transmission System consisting of deflection and/or relocation of three (3) Force Mains (8", 12", and 20"). The CITY's Utilities Department (NPU) has indicated that these force mains are to remain as currently sized and located, and may be deflected or relocated as required for the roadway widening. The design Specifications shall include requirements for coordination with the Utilities Department. CONSULTANT shall review the CITY's utility as-builts and other CITY provided design data for existing force mains along the route, as well as the CONSULTANT's survey, geotechnical, and other data obtained for the project limits. CONSULTANT shall perform the above services to develop and furnish the design and plans for deflection and/or relocation of these existing force mains within the project area. CONSULTANT shall also include appropriate phasing plans during construction for interim connection points and continuity of operations. Based on NPU feedback during scope negotiations, no new lift station(s) will be required for the wastewater transmission system. However, the Specifications will need to include time limits and coordination with NPU for shut-down of force mains to avoid by-pass pumping (per NPU, the existing lift stations can handle some shut-down time to accommodate this

construction phase coordination). The CITY also requests that force main design maintain the same installation as existing methodology i.e. for bridge crossings utilities hanging on bridges, and for culvert crossings utilities above the culverts but buried, where possible (rather than HDD under canals or culverts).

2. Water Distribution System consisting of a new 16" Water Main to replace the existing varying size (i.e.10-12-16") and varying type (e.g. DIP, AC) water main within the project area. CONSULTANT shall review the CITY's available utility data and other CITY provided field and design data for existing water mains along the route, as well as the CONSULTANT's survey, geotechnical, and other data obtained for the project limits. CONSULTANT shall perform the above services to develop the design and plans for the new 16" water main including fire hydrants on both sides of West Price Boulevard widening project route, with the new water main proposed location in new median per NPU. The design shall include provision of water services to all existing homes and empty lots. The design will include side/adjacent-street/property connections and stub-outs as follows: up to 18 existing connections shall be maintained; and, up to 12 existing stub-outs, and up to 6 new stub-outs will be replaced or added. All side streets in the project area will either have an existing connection, a replaced stub-out, or a new stub-out, as applicable. Additional connections or stub-outs beyond those listed above are not included in this scope. NPU's understanding, based on the project limits provided by Public Works, is that Citizens Parkway and the road into McDonald's area at Sumter is not included in the project limits. Based on CITY Utilities feedback during the scope negotiations, no new pumping/booster station will be required, and the sizing of the 16" water main will be confirmed by others using hydraulic model (i.e. not in CONSULTANT's scope). However, the Specifications will need to include time limits and coordination with NPU for shut-down of water mains. In addition, depending on how the construction is phased, line stops may be needed because isolation valving is limited along the existing line. CONSULTANT shall also include appropriate continuity of operations and demolition plans for existing water mains that are to be abandoned, including portions of the water mains that CITY's available field data indicate are Asbestos Concrete (AC). The CITY also requests that the water main design use the same installation as existing methodology i.e. for bridge crossings utilities hanging on bridges, and for culvert crossings utilities above the culverts

but buried where possible (rather than HDD under canals or culverts).

3. Re-Use Water Distribution System consisting of a new 18" Re-Use Water Main. CONSULTANT shall review the CITY's Re-Use Master Plan and other CITY provided field and design data for the CITY's new re-use system along the route, as well as the CONSULTANT's survey, geotechnical, and other data obtained for the project limits. CONSULTANT shall perform the above services to develop the design and plans for a new 18" re-use water main with NPU's proposed location under the north side of Price under the sidewalk, with no new stub-outs anticipated by NPU other than those required by Public Works for irrigation of new median. Based on CITY Utilities feedback during the scoping meetings, the re-use water main will tie-in to the CITY's re-use water distribution system at the west end of the project limits, and the east end of the new re-use line will be capped, as the CITY's reclaim water system does not currently exist to the east of Toledo Blade. The new re-use line can be assumed to be placed in service by CITY Utilities concurrently upon completion of each phase of construction so that it is available for use as an irrigation source for the landscape improvements completed as part of the widening project. No additional stub-outs are anticipated by NPU at this time. Also CITY Utilities indicated that no new pumping/booster station will be required because the required flows, pressures, etc. should be controllable by CITY from its re-use water pumping stations outside the project limits. The CITY also requests that reclaim pipe design use the same installation as existing methodology for other utility mains, i.e. for bridge crossings utilities hanging on bridges, and for culvert crossings utilities above the culverts but buried where possible (rather than HDD under canals or culverts).

4. OPTION A - West Price Boulevard Residential Collection and Transmission System - The CITY requested an optional ADDITIONAL scope of work and design fee task for the design and permitting of the sewer system for private homes immediately adjacent to the project area on the North and South sides of the West Price Boulevard to be completed concurrently with the design, permitting, and construction of the West Price Boulevard Widening project. These homes and lots will be directly impacted by construction during the West Price Boulevard widening, and would therefore be most efficiently provided sewer service through a concurrently designed and constructed collection and transmission

system. The basis of design and service area for this collection and transmission system includes up to 150 existing single family homes and up to 100 vacant residential lots immediately adjacent to the Price Boulevard widening project area, and also assumes that private homes cannot be connected directly to existing force mains on Price Boulevard (i.e. private sewer system shall be limited to one or two connections to the existing force main system within the project area). As part of this design process, alternative sewer technologies and methods will be evaluated for the most cost effective option in coordination with City Utilities. Potential funding and financing opportunities will also be identified and recommended as part of this planning and design process in coordination with CITY Utilities. This scope of work and fee also assumes that design, permitting, and construction will be phased concurrently with the utilities design, permitting, and construction phases of the project. As the base LAMP photogrammetric survey for the widening project includes all of the R-O-W as well as the private properties from the driveway to the structure and the existing septic systems, this scope also assumes that minimal additional survey will be required. However, as there may be some required, a survey contingency is included with this option specifically for any additional survey data that is necessary. Private property easements are not included in this design and permitting task (considered additional certified sketches and legal descriptions per Section 4.19.3).

- 4.06.3 The CONSULTANT shall coordinate the utilities design and permitting requirements during preliminary design tasks with the CITY Utilities Department, Florida Department of Environmental Protection (FDEP), Sarasota County Department of Health (DOH), and Sarasota County Water Resources Department as appropriate, and any other agency having jurisdiction in Project area.
- 4.06.4 The CONSULTANT shall prepare all requisite potable water, wastewater, and re-use water permit applications, in accordance with Chapter 62 Florida Administrative Code (F.A.C.) and other applicable regulations. Upon securing CITY approval, the CONSULTANT shall make direct submissions to said agency and shall perform subsequent required evaluations, coordination, and follow-up services. The CITY will review the permit applications, as necessary, and the CONSULTANT will administer the agency review process. Services required of the CONSULTANT for the potable water, wastewater, and re-use water utility permit applications shall include preparation of exhibits, drawings, sketches, and other design information and data, in order to satisfy minimum requirements of said

agency. The Utilities Department has indicated that it is able to provide assistance to CONSULTANT with permit applications in order to reduce scope for this permitting task. Utilities Department will also provide checks for application fees written directly to agencies to be included in application. Consultant shall provide written request to NPU indicating amount of fee for each applicable application.

- 4.06.5 Other than the utilities identified in 4.06.02 above, the CONSULTANT is not required to perform, provide, and furnish utility engineering, design, and plan preparation services for those private utility facilities enumerated with the exception that CONSULTANT shall show all existing and planned utility facilities made known to the CONSULTANT by said private utility owners on the Project plans. The existing utility information shall be secured by CONSULTANT from field location surveys and from plans furnished to CONSULTANT by affected utility owners. Also, CONSULTANT shall be responsible for coordinating with the CITY and Utilities to resolve utility conflicts and to modify proposed design, if needed, to resolve such conflicts and shall show that on construction plans.
- 4.06.6 The CONSULTANT shall provide limited Construction Phase Services as described in Article 4.16.
- 4.06.7 a The CONSULTANT shall prepare design plans to include the placement of a 4 inch conduit for IT purposes, including a channelized innerduct for potential future partnerships with other entities. This conduit run will require pull boxes spaced at no greater than every 1000 feet. Pull boxes shall be 24" x 36" x 24".
- 4.07b The Consultant shall prepare design plans to include placement of two 4 inch PVC conduits across/under each leg of each intersection within the project limits for future use.

#### 4.07 Drainage Design Requirements:

The Project drainage improvements shall be designed and constructed within proposed roadway rights-of-way, and/or any off-site facilities required for water quality treatment and attenuation and of storm events.

- 4.07.1 Proposed roadway drainage system shall be within and adjacent to the Project limits. Overland runoff from upland properties shall be considered in the final roadway drainage design.
- 4.07.2 The drainage system will be a closed-drainage system. The roadway drainage system will be constructed within the existing Price Boulevard right-of-way. Water quality treatment and attenuation will be provided in off-site pond sites utilizing vacant parcels adjacent to the waterways and Price Boulevard right-of-way.



- 4.07.3 The CONSULTANT shall determine drainage areas contributory to the Project and will show such information on the drainage maps and construction plans. CONSULTANT may utilize existing Sarasota CITY or SWFWMD, 200 scale aerial mapping with 1 foot contours.
- 4.07.4 CONSULTANT shall submit a list of drainage design criteria for CITY's approval prior to commencing with final drainage design activities, as outlined under article 4.03.4 item (a).
- 4.07.5 The CONSULTANT shall coordinate the matter of peak attenuation design, water quality design, and permitting requirements during preliminary roadway design tasks with SWFWMD and any other agency having jurisdiction in Project area. The CONSULTANT shall hold coordination meetings with the CITY and SWFWMD for this task. The meetings for this task are included in the maximum of 3 agency meetings provided for Article 4.08.1.
- 4.07.6 The CONSULTANT shall prepare all requisite stormwater permit applications, in accordance with Chapter 17-25 (Regulation of Stormwater Discharge, Florida Administrative Code) and Chapters 40E-4 and 40E-40 of SWFWMD. Upon securing CITY approval, the CONSULTANT shall make direct submissions to said agency and shall perform subsequent required evaluations, coordination, and follow-up services. The CITY will review the permit applications, as necessary, and the CONSULTANT will administer the agency review process. Services required of the CONSULTANT for the SWFWMD permit application shall include preparation of exhibits, drawings, sketches, and other design information and data, in order to satisfy minimum requirements of said agency.
- 4.07.7 Hydraulic analysis of the four existing canals crossed by Price Boulevard will include a minimal evaluation of anticipated changes to upstream elevations as a result of extending the existing culvert and check for consistency with canal operations. This will be based on a 6 fps velocity flow through the culvert. This will include a review of the control elevations and weir function as it relates to the cross drains. It is expected that the pipe sizes or hydraulic openings will not be changed. The existing corrugated metal pipe in the canals is to be replaced with concrete pipe. The concrete pipe shall match the diameter of the existing pipe. The existing drop weirs are to be replaced with new sheet pile weirs similar in design to the existing weir at other canals within the project limits.

#### 4.08 Environmental Services:

The Project may encroach within adjacent wetlands under jurisdiction of the State of Florida Department of Environmental Protection, SWFWMD, or U.S. Army Corps of Engineers. The CONSULTANT shall classify wetlands and uplands utilizing an aerial photographic based graphic, prepared according to the Florida Land Use Cover and Forms Classification System (FLUCCS). The CONSULTANT shall show any such wetland areas in accordance with the application content submittal requirements of the regulating agencies in conjunction with the permitting processes which are part of the Scope of Services as described herein.

4.08.1 The CONSULTANT shall coordinate with the environmental and operational permitting agencies listed in Article 4.08.3 herein. This interaction shall consist of telephone contacts during the design of the Project; field assessment observations of the environmental conditions of the Project site; design and permit coordination meetings (up to 3 meetings total); exchange of written correspondence, drawings, technical data and the like; preparation and submission of certified permit drawings and formal permit applications; permit maintenance activities (e.g., keeping the CITY abreast of response due dates, maintaining communications with permit agencies regarding application status, etc.) and support services during the permit review periods by CITY and by regulating agencies and revisions to design plans in progress to reflect final permitting requirements. It is understood by both parties herein that changes in permitting agencies' rules, guidelines and/or policies after submittal of permit applications that result in any redesign or plan modification shall be considered by the CITY as Additional Services pursuant to Article Two of the Agreement. It is emphasized that time is of the essence in preparing, submitting, processing, and obtaining the permits on behalf of the CITY as listed in Article 4.08.3 herein. In this regard, the CITY recognizes that CONSULTANT does not have direct control over the permit review period(s) nor requirements that may be imposed upon the CITY by permitting agencies contained in Article 4.08.3.

4.08.2 The CONSULTANT shall undertake all field assessment observations of the Project site and maybe accompanied by a Project representative from the CITY. Similarly, the CITY shall have a Project representative in attendance with the CONSULTANT during all coordination meetings with each governing permit agency listed in Article 4.08.3. The CITY shall be copied with all correspondence issued to all governing permit agencies by CONSULTANT. Notes of telephonic discussions between CONSULTANT and environmental agencies staff shall be prepared by the CONSULTANT and submitted to the CITY.

4.08.3 The CONSULTANT shall prepare, submit, and fully process the required environmental and operational permits for the Project, on behalf of the CITY. Stemming from the Scope of Basic Professional Services as herein described, the CONSULTANT is obligated to coordinate with the agencies listed below and to submit complete permit applications, upon approval of CITY to SWFWMD and USACOE.

Permit fees will be paid by the CITY.

The CONSULTANT shall acquire permits from the following agencies:

- (a) The Southwest Florida Water Management District (SWFWMD) (Management and Storage of Surface Water Permit)
- (b) The United States Army Corps of Engineers (USACOE)

4.08.4 All requirements and stipulations issued by permit agencies listed in Article 4.08.3 having jurisdiction over the Project must be incorporated into the construction plans and contract bid documents for road Project services, subject to the terms outlined in Article 4.08.1 through 4.08(c) above.

4.08.5 While it is expected that the CONSULTANT shall seek and receive advice from various local, state, and federal agencies, the final direction on all engineering and environmental-related matters remains with the CITY.

4.08.6 Wetland mitigation, if any, shall be accomplished through the use of an existing mitigation bank. Cost for participation in a mitigation bank will be paid by the CITY.

4.08.7 CONSULTANT shall survey the Study Corridor for federal and state designated endangered, threatened and species of special concern, including individuals as identified in the "Official Lists of Endangered and Potentially Endangered Fauna and Flora in Florida" published by the FGFWFC, most recent edition. Other positive indications (nests, burrows, droppings, start holes, etc.) of their presence shall also be surveyed. The listed species survey shall consist of conducting observations for listed species known or suspected of utilizing the Project corridor. The CONSULTANT shall summarize the results of the observations and submit said narrative to the applicable regulatory agencies.

4.08.8 For purposes of estimating and negotiating the fee for this project, State or Federally listed species are not anticipated to be observed

within the PROJECT limits; therefore, permitting with FGFWFC and USFWS is not included in this scope of services. However, a field survey, pre-application contacts, and coordination with these two agencies ~~is~~ are included as described above. Section 7 consultation with the USFWS and preparation of a biological opinion for any listed species occurring within the project limits is not included in this scope of services.

4.09 Coordination of Design within Project Limits:

4.09.1 Design services specified herein shall include transitions to match existing sidewalk, curb, pavement and driveways.

4.09.2 Coordination of designs with adjacent land developers and contractors that may be performing work or improvements within or adjacent to the project limits will be the CONSULTANT's responsibility. CITY will be copied on all meeting and/or correspondence between CONSULTANT and such developers or contractors.

4.09.3 To the extent necessary for CONSULTANT'S performance of services and upon request from CONSULTANT, the CITY will provide all available record data, information, plans, right-of-way permits, etc. relating to adjacent land developments (existing and proposed).

4.10 Maintenance of Traffic Plan Preparation:

The CONSULTANT is required to design and prepare plans for the maintenance of traffic (MOT) for the entire project. Design fee for such services shall be included in the CONSULTANT's fee proposal. MOT plans shall address vehicular, pedestrian, and bicyclist traffic, through the construction area, as well as maintaining access to adjacent properties. Detailed MOT plans are required. Temporary traffic signals are to be provided.

4.11 Highway Lighting:

The CONSULTANT is required to design and prepare plans for highway lighting along Price Boulevard within the project limits including east to Toledo Blade Boulevard, approximately 3.0 miles.

4.11.1 The CONSULTANT is required to collect information from the lighting maintaining agency and conduct a field review. The review is to include the following:

Existing lighting equipment  
Load center, capabilities, condition, and age

Condition of lighting poles  
Verification of horizontal clearances  
Verification of vertical clearances  
Breakaway requirements

- 4.11.2 The CONSULTANT is required to prepare a preliminary Lighting Design Analysis Report. The report is required to be submitted under a separate cover prior to the 60% plans submittal. The preferred typical section of the mainline arterial will be evaluated.

The report is required to include the lighting design criteria per the FDOT PPM that will be used and is to include the evaluation of up to three lighting design alternatives with a recommendation on the alternative to use. Decorative lighting poles are preferred. Each alternative is to be properly described including the placement of poles in the median; the alternatives are to consider different pole heights, lamp wattage, and arm lengths. Each alternative is to provide a cost estimate that includes initial cost in addition to operations and maintenance cost for one year.

After review of the preliminary report, the CONSULTANT is required to submit a revised report signed and sealed. The Lighting Design Analysis Report shall include:

Voltage drop calculations  
Load analysis calculations for each branch circuit

- 4.11.3 The CONSULTANT is required to submit voltage drop calculations with the number of luminaires per circuit, the length of each circuit, the size conductor or conductors used, and their ohm resistance values. The voltage drop incurred on each circuit (total volts and percentage of drop) is to be calculated. The voltage drop calculations are to be submitted as part of the Lighting Design Analysis Report.
- 4.11.4 The CONSULTANT is required to prepare a set of Lighting Plans in accordance with applicable manuals, guidelines, standards, design memoranda, and the local power company's requirements. The plan set is to include: key sheet, tabulation of quantities, general and pay item notes, pole data and legend, service point details, plan sheets, and special details.

Structural and foundation design is to be provided by the structural CONSULTANT.

4.12 Signing and Pavement Markings:

The CONSULTANT is required to design and prepare plans for customary ground-mounted signing and pavement markings along Price Boulevard within the project limits. Internally illuminated street name signs are to be provided at signalized intersections for Price Boulevard and the cross streets. Signs are to be mounted on the mast arms.

4.13 Signalization:

The CONSULTANT is required to design and prepare plans for new mast arm traffic signals at Salford Boulevard, Cranberry Boulevard, and Chamberlain Boulevard intersections.

4.13.1 The CONSULTANT is required to collect information from the signal maintaining agency and conduct a field review. The review is to include the following:

- Existing signal and pedestrian phasing
- Controller make, model, capabilities, condition, and age
- Condition of signal poles
- Type of vehicle detection
- ITS/Interconnect media
- Controller timing data

4.13.2 The CONSULTANT is required to evaluate the proposed (class 5) access management classification. The evaluation is to include the analysis of traffic patterns and crashes along the corridor.

The CONSULTANT is required to collect 8-hour turning movement counts at the unsignalized intersections identified below. The traffic counts are to include the AM peak, PM peak, and the peak during school dismissal. The hours for the turning movement counts will be based on 24-hour machine counts collected at the signalized intersections.

- N. Race Street
- William Street
- Savia Street
- Petronia Street
- N. Waconia Street

Wapello Street  
N. Step Street  
Map Avenue  
Lua Street  
Low Street  
Lavina Street  
Arredondo Street  
McCrary Street  
Cassia Street  
City Fire Department driveway  
Caliva Street/City yard

The CONSULTANT is to evaluate crash reports for the most recent five (5) years within the project limits. The CITY is to provide the crash reports. Based on the evaluation of the crash types and clusters, improvement will be recommended.

Proposed full median openings and directional median openings will be recommended based on FDOT's policy on medians and median openings and Rule 14-97. Turn lane queue lengths for the unsignalized intersections are to be estimated based on AM and PM design hour volumes for the design year, 20 years after opening year.

- 4.13.3 The CONSULTANT is required to prepare a preliminary traffic report of the signalized intersections to determine the geometric improvements necessary to provide acceptable level of service through the design year. The growth rate is to be estimated from the Sarasota-Manatee-Charlotte travel demand model. The report is required to be submitted under a separate cover prior to the 60% plans submittal.

The CONSULTANT is required to collect 24-hour machine counts and 8-hour turning movement counts at the intersections identified to perform the traffic analysis. The traffic counts are to include the AM peak, PM peak, and the peak during school dismissal. The hours for the turning movement counts will be based on the 24-hour machine counts.

Salford Boulevard  
Cranberry Boulevard  
Chamberlain Boulevard

The traffic analysis is to include an evaluation of turn lane queue lengths at the signalized intersections based on AM and PM design hour volumes for 5 years after opening year and 20 years after opening year (design year.) The SYNCHRO software is required to evaluate the signal operation plan and proposed intersection geometry for 5 years after opening year and 20 years after opening year (design year.) Local signal timings will be based on the forecasted traffic for 5 years after opening year.

After review of the preliminary report by the CITY, the CONSULTANT is required to submit a revised report signed and sealed.

- 4.13.4 The CONSULTANT is required to prepare a set of Signalization Plans for steel poles with mast arms, luminaires, and internally illuminated street name signs in accordance with applicable manuals, guidelines, standards, design memoranda, and the local power company's requirements. The City has local preferences for pole color and custom designs for internally illuminated street name signs. The plan set is to include: key sheet, tabulation of quantities, general and pay item notes, plan sheets, ITS/interconnect plans, guide sign worksheets, special details, service point details, mast arm tabulation sheet, TCP for temporary signals, and temporary detection sheets.

The CONSULTANT is required to coordinate with the roadway CONSULTANT when preparing the TCP for temporary signals and temporary detection.

The signal design is to include four (4) poles with mast arms and luminaires except where utility conflicts exist. Geotechnical soil borings (STP-25) are to be provided by the geotechnical CONSULTANT. Structural and foundation design is to be provided by the structural CONSULTANT.

4.14 Landscaping, Hardscape and Irrigation:

The CONSULTANT is required to design and prepare plans for landscaping, hardscape and irrigation along Price Boulevard within the project limits. Landscaping and irrigation will be within median areas only. All landscaped areas are to be irrigated. Irrigation water is to be provided by reclaimed water. Hardscape includes sidewalks, crosswalks, steps, site



furnishing, plazas/comfort stations, specialty surfacing; concrete pavers, stamped concrete and stamped asphalt, (Shelters/structures are specifically excluded).

4.15 Construction Cost Estimates:

Prepare and submit an engineers' estimate of probable construction cost with the 60%, 90%, and final plans submittal.

4.16 Services During Construction – (TIME AND MATERIAL SERVICES WITH A NOT TO EXCEED MAXIMUM)

The CONSULTANT shall provide services during construction as described below.

4.16.1 BIDDING SERVICES: The CONSULTANT shall assist the CITY in bidding by attending the pre-bid meeting, attending the pre-construction meeting, responding to questions, issuing plan revisions, and reviewing bids received. The CONSULTANT will participate in a total of two meetings (one pre-bidding meeting and one preconstruction meeting).

4.16.2 PERIODIC SITE VISITS: The CONSULTANT shall provide five site visits during construction. During construction, the CITY will identify when the site visits are to occur. Also, the CONSULTANT shall provide one additional site visit to satisfy the requirements of agency issued permits for water lines, as needed.

4.16.3 SHOP DRAWING REVIEW: The CONSULTANT shall review and approve shop drawing submittals.

4.16.4 RESPOND TO CONTRACTOR QUESTIONS: The CONSULTANT shall respond to contractor questions. Redesign and plan modification at the request of the contractor is not included in this scope of services.

4.16.5 REVIEW OF AS-BUILT PLAN INFORMATION AND PERMIT CLOSURE: The CONSULTANT shall review as-built plan information prepared by others and shall certify permit compliance to SWFWMD and utility certifications.

4.16.6 CONSTRUCTION ENGINEERING AND INSPECTION SERVICES: Upon request, the CONSULTANT will provide a scope and fee to provide CEI services.

4.16.7 SAFETY: The CONSULTANT is not responsible for observing, monitoring, or inspecting the safety aspects of the contractor's construction operations. The contractor shall be solely responsible for all safety aspects of the project including safety of his/her employees, subcontractor employees, and the public.

4.16.8 CONSTRUCTION METHODS: CONSULTANT is not responsible for the contractor methods and means of constructing the proposed

improvements. The CONSULTANT shall not be responsible for any acts or omissions of the contractor or subcontractors. The CONSULTANT does not guarantee the performance of the contractor and shall not be responsible for the contractor's failure to perform its work in accordance with the contract documents or any applicable laws, codes, rules, or regulations.

#### 4.17 Specifications

The CONSULTANT shall prepare special provisions, bid tabulation sheet and the Measurement and Payment section of the technical specifications for the project using the CITY's standard technical specifications. The technical specifications shall be based on FDOT Standard Specifications for Road and Bridge Construction, 2015 edition. The CITY will be responsible for preparing the "front end" documents as noted in Article 4.02.4. One set of specifications will be prepared for each construction contract.

#### 4.18 Community Involvement:

The CONSULTANT will prepare for and conduct two public information meetings. In addition, the CONSULTANT will make one presentation to the City Council. The scope of services does not include preparation of newsletters, development of a project website, fly-throughs, or preparation of a PowerPoint presentation for use in the public meetings. Public meeting no. 1 will occur shortly after the 15% Line and Grade meeting, meeting no. 2 will occur after the 90% submittal and before the City Council meeting.

- 4.18.1 Graphics for public meetings: The CONSULTANT shall provide two sets of graphics for each meeting including a roll plot(s) of the proposed improvements, typical section, welcome sign, fact sheet, and sign-in sheets.
- 4.18.2 CONSULTANT is to prepare a mailing list that is to include all residents and businesses within 300 feet of the Price Boulevard ROW within the project limits. Notices of both public meetings will be sent to properties on the mailing list by the CONSULTANT.
- 4.18.3 Newsletters are not required. The CONSULTANT shall provide periodic project updates to the CITY to include in the quarterly North Port newsletter.
- 4.18.4 A project website is not required. The CONSULTANT shall provide periodic project updates to the CITY to include in the CITY's website.

#### 4.19 Right-of-Way Requirements:

- 4.19.1 The CONSULTANT shall be responsible to submit recommendations on additional rights-of-way and/or easements, as deemed necessary to accomplish the Project construction.

- 4.19.2 The CONSULTANT shall be required to undertake preparation of new recordable right-of-way maps and dedicated rights-of-way and/or easements on Project plan/profile sheets and other drawings to be prepared for roadway improvements. Title searches will be obtained by the CONSULTANT.
- 4.19.3 The CONSULTANT shall prepare and furnish the necessary certified sketches of survey and legal descriptions for additional rights-of-way and/or easements that might be required and authorized by the CITY. Such survey sketches and legal descriptions shall be submitted to the CITY. Additional certified sketches and legal descriptions shall be provided at an additional cost as shown on the fee proposal.
- 4.19.4 It is anticipated ROW will be obtained for drainage ponds and at corner clips at signalized intersections. It is estimated that there will be twelve (12) fee takings at the main intersections, and up to thirty six (36) Lots as fee takings for pond sites. It is also anticipated that there will be up to twentyfour (24) Temporary Construction Easements for Driveway and Slope harmonization. Additional Right of Way takings shall be provided at an additional cost as shown on the fee proposal.
- 4.20 Right-of-Way Appraisal and Acquisition – **OPTIONAL SERVICE** not included in this scope

## **5.00 PLANS PREPARATION, ENDORSEMENT AND OWNERSHIP**

- 5.01 All plan/profile sheets, except key sheets, shall have a title block across the entire bottom of the sheet. A standard Project title block shall also be furnished by the CITY.
- 5.02 All final plans, documents, reports, studies and other data prepared by the CONSULTANT and/or its subconsultants will bear the signature and seal of the CONSULTANT's record engineer or the applicable design engineer who shall be duly registered in the appropriate professional category.
- 5.03 After the CITY's acceptance of final plans and documents and in accordance with Article Six of the Agreement will be provided to the CITY. The CONSULTANT shall signify, by affixing an endorsement (seal/ signature, as appropriate) on the two record sets, that the work shown on the endorsed sheets was produced by the CONSULTANT. A CD shall be provided to the CITY of the design files in AutoCAD compatible format.

## **6.00 MILESTONE DATES:**

- 6.01 The design and plan preparation services for the Project must be completed in their entirety on or before the 365th calendar day after the effective Notice to

Proceed date issued for the Project. Design milestone dates are listed under article 6.03.

- 6.02 Within the 365 calendar day time period specified for performance of all design plan preparation and permitting services, the CONSULTANT shall submit review plans and accompanying pertinent data at the 60%, 90%, and final design status activity intervals. These submissions are mandatory and shall be reviewed by the CITY within two weeks of receipt of the submittal.
- 6.03 Project design status submittals for the Project improvements shall be completed as follows following issuance of the Notice to Proceed:
- 6.03.1 60% Design Status: Submit plans 131 working days after receipt of Notice to Proceed.
- 6.03.2 90% Design Status: Submit plans 60 working days after receipt of comments from CITY on 60% design submittal.
- 6.03.3 Bid/Final Plans: Submit plans 38 working days after receipt of comments from CITY on 90% design submittal.
- 6.03.4 The permit application SWFWMD shall be prepared, processed, and ready for submittal in full by the CONSULTANT, and shall be submitted to SWFWMD for review no later than 15 working days after receipt of the CITY's comments on the 60% Design submittal. All necessary permit drawings and supporting technical and non-technical data shall be prepared by the CONSULTANT and shall accompany permit application.
- 6.04 The CITY anticipates that a (maximum) two weeks formal review and critique period will be necessary for each milestone design submittal identified in Article 6.03 (except for the 15% Line and Grade in which one week formal review will be needed) upon receipt of plans and accompanying information from the CONSULTANT. Accordingly, this 14 calendar day review period has been included in the plan submittal schedule, Article 6.03 above.
- 6.05 The CONSULTANT shall formulate and prepare the bar chart schedule for the Project in specific accord with the above stated design status review schedule.

## **7.00 SERVICES DURING CONSTRUCTION**

All post Design services will be negotiated in the next phase of this project.

## **8.00 COST PROPOSAL:**

- 8.01 The CONSULTANT's services described herein shall be provided for a lump sum cost for Price Boulevard as follows: \$1,694,527.00. In addition, the

CONSULTANT's Time and Material services described herein shall be provided for a Not To Exceed cost as follows: \$699,501.31, for a total fee of \$2,394,028.31.

- 8.02 The CONSULTANT's cost proposal herein does not include costs for permit application fees to respective environmental or CITY agencies. The cost for permitting, if paid by CONSULTANT, shall be reimbursable by the CITY in full upon submittal of fees justification.
- 8.03 It is understood and hereby agreed by the parties that CONSULTANT's Rate Code Schedule per attached Schedule "A", Attachment "B" shall be applicable to Additional Services that may be requested of the CONSULTANT by the CITY for all Project services. The hourly service rates listed in the CONSULTANT's Rate Code Schedule are inclusive of fringe benefits, professional fees, overhead factors, personnel, and all other payroll costs and expenses. It is further recognized, understood, and agreed by the parties that CONSULTANT's Rate Code Schedule may be adjusted during the term of services under this Agreement but only on the condition that said Additional Services are performed beyond December 31, 2016.

#### **9.00 SUBCONTRACT SERVICES:**

Due to the nature and scope of the required services, it may be desirable for the CONSULTANT to subcontract portions of the work (i.e. survey or subsurface investigation). The CONSULTANT shall be authorized to subcontract these services under the provisions of this Agreement. The subcontracting firms must be approved in writing by the CITY prior to initiation of any work.

#### **10.00 NOTICE TO PROCEED MEETING:**

The CONSULTANT shall attend a meeting scheduled by the CITY to receive the official Notice to Proceed. The purpose of this introductory meeting is several-fold:

- (a) The CITY will endeavor to render all relevant information in its possession. This may include traffic data, planning information, and available "as built" and/or record construction plans.
- (b) The CITY and the CONSULTANT will establish a common understanding upon which the plans process will be developed.
- (c) The CITY will explain the financial administration of the Agreement.
- (d) The CITY will address CONSULTANT'S questions and area needing clarification.

#### **11.00 EXPERT WITNESS TESTIMONY:**

- 11.01 The CONSULTANT shall serve as an expert witness for the Project in legal proceedings if required by the CITY. A separate fee schedule for these services shall be established, if and when said services are required.

11.02 Additionally, the CONSULTANT shall provide/render professional opinions and assistance to the CITY during any public hearings and or public workshop sessions relating to the Project but not included in this scope of services, if such services are requested in writing. The fee(s) for these services, as well as the services described under Article 11.01 above, shall be established by the parties pursuant to the provisions of the contract agreement.

**12.00 SERVICES TO BE PROVIDED BY THE CITY**

The following tasks, activities and or items will be provided by the CITY

- 12.01 Right-of-entry from property owners to perform design or survey activities.
- 12.02 "Front-end" contract documents identified in Article 4.02.4.
- 12.03 Assemble and copy construction documents for bidding.
- 12.04 Electronic files (Microsoft Word Format) of CITY standard technical specifications.
- 12.05 Copies of proposed development plans adjacent to the project limits.
- 12.06 Provide inspection and administrative services during construction.

**13.00 PLANS REVIEW CHECK LIST:**

The following four (4) pages represent the minimum amount of information that shall be shown for each design interval.

Minimum submittal requirements herein listed for the 60%, 90% and final design status intervals are not all-inclusive; see Article 4.03 for additional service requirements.

Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard

**60% Plan Review (Preliminary Plans)**

Purpose/Description	To review the CONSULTANT's proposed grades, PGL, geometric layout, survey data, basic geometrics, right-of-way recommendations, study/report recommendations, and other preliminary design materials. Provides the technical basis for further plan development. Designs at this stage are subject to minor revisions. Substantive
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changes to the type, size, and location of major features will be considered extra work.

Submission of review plans and other data

Three (3) half size sets of bound preliminary plans.  
 Two (2) copies of reports and design data to City.

Minimum submittal requirements (shown thus X) (Typical, including the following).

- X 1. Update of Project Schedule
- X 2. Summary of Pay Items Sheet and Cover Sheet
- X 3. Drainage Map (Complete)
- X 4. Typical Sections Sheet(s) (Complete)
- X 5. Summary of Drainage Structures Sheet(s)
- X 6. Roadway Plan/Profile Sheets
- X 7. Roadway Intersection Layouts and Details
- X 8. Drainage Structure Sheets
- X 9. Lateral Ditch Plan/Profiles and Cross Sections
- X 10. Roadway Soil Survey
- X 11. Cross Sections
- X 12. Traffic Control Plans
- X 13. Signing and Marking Plans
- X 14. Signal Plans
- X 15. Lighting Plans
- X 16. Landscaping Plans
- X 17. Utility Plans
- X 18. Right-of-way Maps
- X 19. Structural Plans
- X 20. Permit Design Drawings and Permit Applications

Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard  
90% Plan Submittal

Purpose/Description

To review the CONSULTANT's final grades, drainage mapping, typical sections, intersection design, drainage structures, soil survey, and similar design elements. Final designs at this stage are subject to minor revisions. Substantive changes to the type, size, and location of major features will be considered extra work. Initial review of the specifications and quantities.

Submission of review plans and Other data	<u>Three</u> (3) half size sets of bound construction drawings to CITY. <u>Two</u> (2) copies of reports and design data to CITY.
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Minimum submittal requirements (shown thus X) (Typical, including the following).

- X 1. Update of Project Schedule
- X 2. Summary of Pay Items Sheet and Cover Sheet
- X 3. Drainage Map (Complete)
- X 4. Typical Sections Sheet(s) (Complete)
- X 5. Summary of Drainage Structures Sheet(s) (Complete)
- X 6. Roadway Plan/Profile Sheets (Complete)
- X 7. Roadway Intersection Layouts and Details (Complete)
- X 8. Drainage Structure Sheets
- X 9. Lateral Ditch Plan/Profiles and Cross Sections (Complete)
- X 10. Roadway Soil Survey (Complete)
- X 11. Cross Sections
- X 12. Traffic Control Plans (Complete)
- X 13. Signing and Marking Plans (Complete)
- X 14. Signal Plans (Complete)
- X 15. Lighting Plans (Complete)
- X 16. Landscaping Plans (Complete)
- X 17. Utility Plans (Complete)
- X 18. Right-of-way Maps
- X 19. Structural Plans (Complete)
- X 20. Contract Specifications

Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard

Final Plan Submittal

Purpose/Description	To review the CONSULTANT's final plans, evaluations, recommendations, quantities, contract documents, and the like, for content, completeness, and form and sufficiency for bidding purposes. Purpose of review is to correct typographic errors. To determine outstanding contract obligations by CONSULTANT and timetable for contract closeout.
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Submission of review plans and Other data	<u>Three</u> (3) half size sets of bound construction drawings to CITY. <u>Two</u> (2) copies of reports and design data to CITY.
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Minimum submittal requirements (shown thus X) (Typical, including the following).

All Project plans shall be complete at this stage.

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Responsibility Chart-Construction Plans Preparation

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Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard

ITEM	DESCRIPTION	BY CONSULTANT	BY CITY	REMARKS
1	Aerial Survey	Yes	N/A	Basic Services
2	Aerial Photography	Yes	N/A	Basic Services
3	Cost Estimates--Roadway (Quantity Take-Off and Eng- ineers Estimate)	Yes	N/A	Basic Services
4	Engineering Field Survey (Design Survey)	Yes	N/A	Basic Services
5	Soils Investigations (Soils Testing and Analysis)	Yes	N/A	Basic Services
6	Lighting Plans	Yes	N/A	Basic Services
7	Maintenance of Traffic Plans	Yes	N/A	Basic Services
8	Pavement Evaluation and Design	Yes	N/A	Basic Services
9	Permit Sketches—Environmental (Roadway)	Yes	N/A	Basic Services
10	Permit Applications—Drainage	Yes	N/A	Basic Services
11	Permit Applications--Environmental	Yes	N/A	Basic Services
12	Quantity Computation Booklet	No	N/A	Not in Contract
13	Right-of-Way Field Survey Right-of-Way and/or Drainage Easements--Legal Descriptions;	Yes	N/A	Basic Services
14	Certified Sketches	Yes	N/A	Basic Services
15	Right-of-Way Documents (Easement and Right-of-Way Agreements)	Yes	Yes	Basic Services
16	Right-of-Way Maps	Yes	N/A	Basic Services
17	Title Search/Abstract	Yes	N/A	Not Included
18	Signalization Plans	Yes	N/A	Basic Services
19	Signing/Striping Plans	Yes	N/A	Basic Services
20	Landscaping Designs and Plans	Yes	N/A	Basic Services
21	Roadway Plans (P/P etc.)	Yes	N/A	Basic Services
22	Drainage Design	Yes	N/A	Basic Services
23	Utility Design and Adjustment	Yes	N/A	Basic Services

	Plans (water and sanitary sewer)			
24	Utility Coordination	Yes	N/A	Basic Services
25	Structural Design	Yes	N/A	Basic Services

The items listed above are not all-inclusive service responsibilities, but rather are primary categories. See preceding pages for all contract services by consultant.

**ATTACHMENT B – FEE SCHEDULE**  
**(Additional information following Attachment C)**

**NOT TO EXCEED ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT**

Name of Project: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd  
City: North Port  
FPN:  
FAP No.:

Consultant Name: American Consulting Professionals, LLC  
Consultant No.:

Date: 6/26/2015  
Estimator: Ryan Forestal

Staff Classification	Hours From "SH Summary - Firm"	Project Manager	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clerical	Sr. Surveyor	Salary Cost By Activity
3. Project General and Project Common Tasks	819	217	0	31	124	93	0	93	0	0	0	62	0	\$86,844
3a. Post Design Services (Optional)	0	0	0	0	0	0	0	0	0	0	0	0	0	
4. Roadway Analysis	2,336	234	0	487	701	468	467	0	0	0	0	0	0	\$379,032
5. Roadway Plans	1,957	98	88	294	391	372	352	352	0	0	0	0	0	\$295,083
6a. Drainage Analysis	1,108	55	55	277	332	386	0	0	0	0	0	0	0	\$175,403
6b. Drainage Plans	1,190	60	60	179	238	227	214	214	0	0	0	0	0	\$179,780
8. Environmental Permits	325	10	7	33	49	48	0	16	163	0	0	0	0	\$41,761
8. Structures - Misc. Tasks, Dwg. Non-Tech.	90	2	18	18	27	24	0	0	0	0	0	0	0	\$16,439
12. Structures - Short Span Concrete Bridge	358	7	7	72	107	54	111	0	0	0	0	0	0	\$57,591
17. Structures - Retaining Walls	156	3	3	31	47	24	48	0	0	0	0	0	0	\$35,052
18. Structures - Miscellaneous	100	2	2	20	30	15	31	0	0	0	0	0	0	\$16,095
19. Signing & Pavement Marking Analysis	614	26	0	103	103	102	103	77	0	0	0	0	0	\$76,819
20. Signing & Pavement Marking Plans	212	11	11	32	42	38	38	38	0	0	0	0	0	\$31,852
25. Landscape Architecture Analysis	812	31	0	0	31	0	0	0	0	428	122	0	0	\$76,808
26. Landscape Architecture Plans	540	27	0	0	26	0	0	0	0	108	378	0	0	\$67,829
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
29. Mapping	1,033	22	0	0	0	217	249	217	0	0	0	0	379	\$166,339
<b>Total Staff Hours</b>	<b>11,188</b>	<b>805</b>	<b>261</b>	<b>1,557</b>	<b>2,248</b>	<b>2,086</b>	<b>1,613</b>	<b>1,007</b>	<b>163</b>	<b>536</b>	<b>500</b>	<b>62</b>	<b>379</b>	<b>\$1,694,527.00</b>
<b>Total Staff Cost</b>		<b>\$177,905</b>	<b>\$64,989</b>	<b>\$309,843</b>	<b>\$375,416</b>	<b>\$208,668</b>	<b>\$241,950</b>	<b>\$69,993</b>	<b>\$16,626</b>	<b>\$97,000</b>	<b>\$45,000</b>	<b>\$6,510</b>	<b>\$60,727</b>	<b>\$1,694,527.00</b>

**SALARY RELATED COSTS:**  
EXPENSES: 0.00%  
Survey (Field) 0 crew days \$ - / day  
4-man  
Subtotal ESTIMATED (NOT TO EXCEED LUMP SUM FEE):  
Subconsultant: Survey (\$1,694,527.00)  
Subconsultant: Universal (Geotechnical) (\$53,570.00)  
Subconsultant: Cumbey & Fair (SUE locates and designates) (\$26,225.00)  
Subconsultant: Weiler (Utility design) (\$166,184.31)  
Subconsultant: F. Rooks (LAMP) (\$197,310.00)  
Subconsultant: FTE (Signals and Lighting) (\$49,710.00)  
Subconsultant: FL Acquisition & Appraisal (Appraisals) (Optional Services) (\$204,502.00)  
Subconsultant: T&M Service-Weiler for Residential Collection and Transmission Sewer System (Optional Services) (\$699,501.31)  
Subconsultant: T&M Service-Weiler for Post Design Services (Optional Services) (\$341,830.00)  
Subconsultant: T&M Service-FL Acquisition & Appraisal (Acquisitions) (Optional Services) (\$0.00)  
Subconsultant: T&M Service-American for Post Design Services (Optional Services) (\$0.00)  
Subconsultant: T&M Service-American Government Services Corporation for Title Searches (Optional Services) (\$0.00)  
**GRAND TOTAL ESTIMATED FEE (NOT TO EXCEED):**  
**\$2,394,028.31**

**ATTACHMENT C – PROJECT SCHEDULE**

American Consulting Engineers of Florida LLC		Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard City of North Port												American Consulting Engineers of Florida, LLC				
ID	Task Name	Duration	Start	Finish	September	October	November	December	January	February	March	April	May	June	July	August	September	October
1	<b>OVERALL PROJECT</b>	265 days	Mon 9/28/15	Tue 9/27/16														
2	NOTICE TO PROCEED	0 days	Mon 9/28/15	Mon 9/28/15														
3	City Kick-off Meetings	5 days	Mon 9/28/15	Fri 10/2/15														
4	Design Survey	85 days	Mon 9/28/15	Fri 1/23/16														
13	15% Line and Grade Meeting with City	1 day	Mon 1/13/16	Mon 1/13/16														
14	PHASE II DESIGN & PLANS	131 days	Mon 9/28/15	Fri 4/2/16														
29	Negotiate Right of Way and Post Design Services Phase 2	5 days	Mon 11/2/15	Fri 11/6/15														
30	PHASE III PLANS	60 days	Mon 4/4/16	Mon 6/27/16														
40	FINAL PLANS	38 days	Tue 6/28/16	Fri 8/19/16														
46	GEOTECHNICAL INVESTIGATION	120 days	Mon 10/26/15	Thu 4/14/16														
54	PERMITTING	145 days	Mon 2/1/16	Tue 8/23/16														
63	UTILITIES	155 days	Tue 11/2/15	Tue 8/23/16														
70	R/W Survey & Mapping	168 days	Mon 2/1/16	Mon 3/28/16														

**ADDITIONAL DETAILED INFORMATION  
FOR ATTACHMENT B FOLLOWS**

Estimator: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
City of Northport		
American Consulting Professionals/CES		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	N/A
3.1.2	Notifications	LS	1	0	0	N/A
3.1.3	Prepare Mailing Lists	LS	1	0	0	See "Public Workshop Tab" Prepare mailing list for Public Involvement Meeting
3.1.4	Median Modification Letters	LS	1	0	0	N/A
3.1.5	Driveway Modification Letters	LS	1	0	0	N/A
3.1.6	Newsletters	LS	1	8	8	Provide updates on project to City for posting on City's website (4 updates x 2hrs)
3.1.7	Renderings and Fly Throughs	LS	1	0	0	N/A
3.1.8	PowerPoint Presentation	LS	1	0	0	N/A
3.1.9	Public Meeting Preparations	LS	1	372	372	See Public Workshop tab for break down
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	Included in Public Meeting Preparations Above
3.1.11	Other Agency Meetings	LS	1	10	10	Presentation to City Council (1 meeting x 1 person x 10hrs)
3.1.12	Web Site	LS	1	0	0	N/A
<b>3.1 Public Involvement Subtotal</b>					<b>390</b>	
3.2	Joint Project Agreements	EA	0	0	0	N/A
3.3	Specifications Package Preparation	LS	1	32	32	
3.4	Contract Maintenance and EDMS	LS	1	52	52	16hrs set-up + (3hrs x 12mo)
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	N/A
3.6	Prime Consultant Project Manager Meetings	LS	1	129	129	See listing below
3.7	Plans Update	LS	1	0	0	N/A
3.8	Post Design Services	LS	1	0	0	See Tab 3a.
3.9	Digital Delivery	LS	1	16	16	Prepare AutoCadd compatible files.
3.10	Risk Assessment Workshop	LS	1	0	0	N/A

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	N/A
3.12	Other Project General Tasks	LS	1	0	0	N/A
<b>3. Project Common and Project General Tasks Total</b>						<b>619</b>

<b>3.6 - List of Project Manager Meetings</b>						
	Units	No of Units	Hours/ Unit	Total Hours	Comments	
Roadway Analysis	EA	3	5	15		
Drainage	EA	7	5	35		
Utilities	EA	0	0	0		
Environmental	EA	4	6	24		
Structures	EA	0	0	0		
Signing & Pavement Marking	EA	0	0	0		
Signalization	EA	0	0	0		
Lighting	EA	0	0	0		
Landscape Architecture	EA	3	5	15		
Survey	EA	0	0	0		
Photogrammetry	EA	0	0	0		
ROW & Mapping	EA	0	0	0		
Terrestrial Mobile LIDAR	EA	0	0	0		
Architecture	EA	0	0	0		
Noise Barriers	EA	0	0	0		
ITS Analysis	EA	0	0	0		
Geotechnical	EA	0	0	0		
Progress Meetings	EA	40	1	40		
Phase Reviews	EA	0	0	0		
Field Reviews	EA	0	0	0		
<b>Total Project Manager Meetings</b>				<b>57</b>	<b>129</b>	<b>Total PM Meeting Hours carries to Task 3.6 above</b>

**Notes:**

1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
2. Do not double count agency meetings between permitting agencies.
3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
City of Northport		
American Consulting Professionals/CES		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	15	15	1 Typical Section for Price Blvd., 1 Typical for Salford Blvd., 1 Typical for Cranberry Blvd., 1 Typical for Chamberlain Blvd., 1 Typical for Sidestreets (6hrs x 5 Typical)
4.2	Pavement Type Selection Report	LS	1	0	0	N/A
4.3	Pavement Design Package	LS	1	30	30	1 Mainline Reconstruction, 1 Resurfacing at intersections, 1 Overbuild design for intersections (10hrs x 3 designs)
4.4	Cross-Slope Correction	LS	1	0	0	N/A
4.5	Horizontal /Vertical Master Design Files	LS	1	727.2	727	Price Blvd.: 260hrs x 1mile + 160hrs x 1.75 + Salford Blvd.: 160hrs x 0.25miles + Cranberry Blvd.: 160hrs x 0.25miles + Chamberlain Blvd.: 160hrs x 0.25 miles + 21 Minor side streets: 160hrs x 0.02miles each x 21
4.6	Access Management	LS	1	11	11	Determine median opening locations and types: 8hrs x 2.75miles
4.7	Roundabout Evaluation	LS	1	0	0	N/A
4.8	Roundabout Final Design Analysis	LS	1	0	0	N/A
4.9	Cross Section Design Files	LS	1	352.8	353	Price Blvd.: 2.75miles x 90hrs/mile + Salford Blvd.: 0.25miles x 90hrs/mile + Cranberry Blvd.: 0.25miles x 90hrs/mile + Chamberlain Blvd.: 0.25miles x 90hrs/mile + 21 Minor side streets: 0.02miles each x 90hrs/mile x 21
4.10	Traffic Control Analysis	LS	1	307.5	308	Analysis for Phasing (concept), lane closure analysis, detours, diversions, and creating miscellaneous TCP sheets) + Analysis and development of TCP Cross sections and TCP Profiles (2Phases x 2.75miles x 45hrs/mile/phase) (Based on 100' cross section spacing) (Temporary drainage and signals included in respective tabs)
4.11	Master TCP Design Files	LS	1	330	330	2.75miles x 60hrs/mile x 2 phases (Temporary drainage and signals included in respective tabs)
4.12	Design Variations and Exceptions	LS	1	0	0	N/A
4.13	Design Report	LS	1	24	24	Document design criteria, design decisions, design approvals from City
4.14	Quantities	LS	1	160	160	
4.15	Cost Estimate	LS	1	36	36	Estimates prepared at 60%, 90%, & Final plans (12hrs x 3 estimates)
4.16	Technical Special Provisions	LS	1	16	16	Assume 2 TSP's (2*8hrs ea)
4.17	Other Roadway Analyses	LS	1	0	0	N/A
<b>Roadway Analysis Technical Subtotal</b>					<b>2010</b>	
4.18	Field Reviews	LS	1	40	40	
4.19	Protection of Existing Structures	LS	1	0	0	



Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.20	Technical Meetings	LS	1	16	16	Meetings are listed below
4.21	Quality Assurance/Quality Control	LS	%	5%	101	
4.22	Independent Peer Review	LS	%	0%	0	
4.23	Supervision	LS	%	5%	101	
<b>Roadway Analysis Nontechnical Subtotal</b>					<b>258</b>	
4.24	Coordination	LS	%	3%	68	
<b>4. Roadway Analysis Total</b>					<b>2336</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0		0
Pavement	EA	0	0	0		0
Access Management	EA	0	0	0		0
15% Line and Grade	EA	1	6	6	yes	1
Driveways	EA	1	5	5	Yes	1
Local Governments (cities, counties, MPO)	EA	0	0	0		0
Work Zone Traffic Control	EA	1	5	5	yes	1
30/60/90/100% Comment Review Meetings	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>					<b>Subtotal Project Manager Meetings</b>	<b>3</b>
Progress Meetings (if required by FDOT)					PM attendance at Progress Meetings is manually entered on General Task 3	--
Phase Review Meetings					PM attendance at Phase Review Meetings is manually entered on General Task 3	--
<b>Total Meetings</b>					<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>3</b>

Carries to Tab 3

Carries to 4.17

Estimator:

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
City of Northport		
American Consulting Professionals/CES		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	2	4	8	
5.2	Summary of Pay Items Including Quantity Input		Sheet	2	12	24	
5.3	Typical Section Sheets						
5.3.1	Typical Sections		EA	5	8	40	1 Typical Section for Price Blvd., 1 Typical for Salford Blvd., 1 Typical for Cranberry Blvd., 1 Typical for Chamberlain Blvd., 1 Typical for Sidestreets (8hrs x 5 Typical)
5.3.2	Typical Section Details		EA	3	6	18	Overbuild details for Salford Blvd., Cranberry Blvd., and Chamberlain Blvd. intersections (3 details x 6hrs each)
5.4	General Notes/Pay Item Notes		Sheet	1	6	6	
5.5	Summary of Quantities Sheets		Sheet	5	3	15	For showing items in tables for locations and quantity
5.6	Project Layout		Sheet	1	4	4	
5.7	Plan/Profile Sheet		Sheet	0	0	0	N/A
5.8	Profile Sheet	40	Sheet	48	4	192	2.75miles x 5280'/mile= 14,520/560' per sheet= 26 sheets (Add 4 sheets for separate plan sets to overlap) + 3 Major intersection profiles: (1320' / 560' per sheet x 3 intersections= 7 sheets) + Minor Sidestreet profiles: (21 sidestreets / 2 per sheet = 11sheets)
5.9	Plan Sheet	40	Sheet	37	5	185	2.75miles x 5280'/mile= 14,520/560' per sheet= 26 sheets (Add 4 sheets for separate plan sets to overlap) + 3 Major intersections: (1320' / 560' per sheet x 3 intersections= 7 sheets)
5.10	Special Profile		Sheet	17	16	272	Mainline driveways: 121 + Sidestreet driveways: 15 (136 driveways / 8 per sheet=17 sheets)
5.11	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	N/A
5.12	Interchange Layout Sheet		Sheet	0	0	0	N/A
5.13	Ramp Terminal Details (Plan View)		Sheet	0	0	0	N/A
5.14	Intersection Layout Details		Sheet	7	10	70	3 Major intersections + 7 Directional median openings (@ 2 per sheet= 4 sheets)
5.15	Special Details		EA	2	8	16	2 sheets sidewalk curb ramps for 3 Major intersections and bus stop boarding and alighting
5.16	Cross-Section Pattern Sheet(s)		Sheet	0	0	0	N/A
5.17	Roadway Soil Survey Sheet(s)		Sheet	1	1	1	Provided by Geotech and incorporated into plans

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.18	Cross Sections		EA	417	0.3	125	Price Blvd.: 2.75miles x 5280/50' spacing = 291 + Salford Blvd.: 0.25miles x 5280/50' spacing = 27 + Cranberry Blvd.: 0.25miles x 5280/50' spacing = 27 + Chamberlain Blvd.: 0.25miles x 5280/50' spacing = 27 + 21 Minor side streets: 0.02miles each x 5280/50' spacing x 21 = 45
5.19	Temporary Traffic Control Plan Sheets		Sheet	82	8	656	Plan set E. of Sumter Blvd. to E. of Cranberry Blvd.: 2.75miles/2 x 5280/mile= 7260/560' per sheet= 13 sheets (Add 4 sheets for begin/end transitions)= 17sheets x 2 Phases= 34sheets + Plan set E. of Cranberry Blvd. to W. of Toledo Blade Blvd.: 2.75miles/2 x 5280/mile= 7260/560' per sheet= 13 sheets (Add 4 sheets for begin/end transitions)= 17sheets x 2 phases= 34sheets + 3 Major intersections: 1320' / 560' per sheet x 3 intersections= 7 sheets x 2 phases= 14sheets
5.20	Temporary Traffic Control Cross Section Sheets		EA	146	0.3	44	Plan set E. of Sumter Blvd. to E. of Cranberry Blvd.: 2.75miles/2 x 5280/mile= 7260/100' spacing= 73 sections + Plan set E. of Cranberry Blvd. to W. of Toledo Blade Blvd.: 2.75miles/2 x 5280/mile= 7260/100' spacing= 73 sections
5.21	Temporary Traffic Control Detail Sheets		Sheet	12	8	96	Plan set E. of Sumter Blvd. to E. of Cranberry Blvd.: 1 Advance warning sign sheet + 3 Typical section sheets (3 phases of construction) + 1 TCP general notes sheet + 1 TCP detail sheet + Plan set E. of Cranberry Blvd. to W. of Toledo Blade Blvd.: 1 Advance warning sign sheet + 3 Typical section sheets (3 phases of construction) + 1 TCP general notes sheet + 1 TCP detail sheet
5.22	Utility Adjustment Sheets		Sheet	0	0	0	Utility Design plan sheets by Sub-consultant
5.23	Selective Clearing and Grubbing Sheet(s)		Sheet	0	0	0	N/A
5.24	Project Network Control Sheet(s)		Sheet	1	1	1	Provided by Survey and incorporated into plans
5.25	Environmental Detail Sheets		Sheet	0	0	0	N/A
5.26	Utility Verification Sheet(s) (SUE Data)		Sheet	1	6	6	
<b>Roadway Plans Technical Subtotal</b>						<b>1779</b>	
5.27	Quality Assurance/Quality Control		LS	%	5%	89	
5.28	Supervision		LS	%	5%	89	
<b>5. Roadway Plans Total</b>						<b>1957</b>	

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
City of Northport		
American Consulting Professionals/CES	Joseph S. Menen	

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Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	7	4	28	2.7 miles, 1 bridge culvert, 3 cmp culverts and at canals
6a.2	Base Clearance Water Elevation Determination	Per Location	1	4	4	determine base clearance requirements for project
6a.3	Pond Siting Analysis and Report	Per Basin	5	16	80	5 ponds with 3 alternative sites each
6a.4	Design of Cross Drains	EA	4	6	24	Evaluate 2 pipe culverts and 2 bridge culvert
6a.5	Design of Ditches	Per Ditch Mile	0	0	0	
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	5	32	160	5 ponds
6a.7	Design of Stormwater Management Facility (Roadside Ditch as Linear Pond)	Per Cell	0	0	0	
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	3	24	72	1 FPC design per canal assumed
6a.9	Design of Storm Drains	EA	253	2	506	based on 3 structures every 300 feet, typical urban drainage + 2 per pond + 100 Back of Sidewalk inlets for offsite
6a.10	Optional Culvert Material	EA	0	0	0	
6a.11	French Drain Systems	Per Cell	0	0	0	
6a.12	Drainage Wells	EA	0	0	0	
6a.13	Drainage Design Documentation Report	LS	1	80	80	Two volume report, Stormwater Management Report and Drainage Design Documentation
6a.14	Bridge Hydraulic Report	EA	0	0	0	N/A evaluation under Design of Cross Drains
6a.15	Temporary Drainage Analysis	LS	0	0	0	
6a.16	Cost Estimate	LS	0	0	0	
6a.17	Technical Special Provisions	LS	0	0	0	
6a.18	Other Drainage Analysis	LS	0	0	0	
<b>Drainage Analysis Technical Subtotal</b>					<b>926</b>	
6a.19	Field Reviews	LS	1	24	24	8 hours per mile
6a.20	Technical Meetings	LS	1	32	32	Meetings are listed below

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.21	Environmental Look-Around (ELA) Meeting	LS	1	0	0	
6a.22	Quality Assurance/Quality Control	LS	%	5%	46	
6a.23	Independent Peer Review	LS	%	0%	0	
6a.24	Supervision	LS	%	5%	46	
<b>Drainage Analysis Nontechnical Subtotal</b>						<b>148</b>
6a.25	Coordination	LS	%	3%	32	
<b>6a. Drainage Analysis Total</b>						<b>1106</b>

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	0	0	0		0
Pond Siting	EA	1	4	4		1
Agency	EA	2	4	8		2
Local Governments (cities, counties)	EA	2	5	10		2
FDOT Drainage	EA	0	0	0		0
Other Meetings	EA	2	5	10		2
<b>Subtotal Technical Meetings</b>				<b>32</b>		<b>7</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3	--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	--
<b>Total Meetings</b>				<b>32</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>7</b>

Carries to Tab 3

Carries to 6.19

Estimator:

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
City of Northport		
American Consulting Professionals/CES		

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Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
6b.1	Drainage Map (Including Interchanges)	200	Sheet	7	16	112	Basin Areas Only (estimate 16 hrs per sheet)
6b.2	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	
6b.3	Summary of Drainage Structures		Sheet	11	16	176	
6b.4	Optional Pipe/Culvert Material		Sheet	0	0	0	
6b.5	Drainage Structure Sheet(s) (Per Structure)		EA	253	2	506	
6b.6	Miscellaneous Drainage Detail Sheets		Sheet	2	24	48	For control structure details
6b.7	Lateral Ditch Plan/Profile		Sheet	0	0	0	
6b.8	Lateral Ditch Cross Sections		EA	0	0	0	
6b.9	Retention/Detention Ponds Detail Sheet(s)		Sheet	10	24	240	Assume 2 sheets per pond
6b.10	Retention Pond Cross Sections		EA	0	0	0	
6b.11	Erosion Control Plan Sheet(s)		Sheet	0	0	0	N/A will show contours and typical sections on pond details
6b.12	SWPPP Sheet(s)		Sheet	0	0	0	
<b>Drainage Plans Technical Subtotal</b>						<b>1082</b>	
6b.13	Quality Assurance/Quality Control		LS	%	5%	54	
6b.14	Supervision		LS	%	5%	54	
<b>6. Drainage Plans Total</b>						<b>1190</b>	

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

Estimator: Salicco

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
City of Northport		
American Consulting Professionals/CES		

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Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Environmental Permits, Compliances and Clearances</b>						
8.1	Preliminary Project Research	LS	1	8	8	Desktop review of project site and identify any existing permits
<b>Permits</b>						
<b>Field Work</b>						
8.2.1	Pond Site Alternatives	per pond site	1	6	6	Desktop review of pond site (detailed evaluation included in 8.2.2 & 8.2.3)
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	32	32	Wetland delineations and UMAM assessments, includes project narrative describing existing systems and potential impacts
8.2.3	Species Surveys	LS	1	32	32	Species surveys along project corridor including SWMFs
8.2.4	Archeological Surveys	LS	1	0	0	
8.3	Agency Verification of Wetland Data	LS	1	16	16	Field review with SWFWMD and USACE
<b>Complete And Submit All Required Permit Applications</b>						
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	150	150	ERP permit application to SWFWMD and USACE, includes RAI responses, appropriate project-related maps, coordination with USFWS and FWC, etc.
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	0	0	N/A per scope
8.5	Prepare Dredge and Fill Sketches (as needed)	LS	1	12	12	Dredge and fill sketches for ERP permit application
8.6	Prepare USCG Permit Sketches	LS	1	0	0	N/A
8.7	Prepare Water Management District Right-of-Way Occupancy Permit	LS	1	0	0	May be needed depending on ownership of canals
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	N/A
8.9	Prepare Tree Permit Information	LS	1	0	0	N/A
8.10	Mitigation Design	LS	1	0	0	N/A
8.11	Mitigation Coordination and Meetings	LS	1	12	12	Use of mitigation bank, coordinate with City and banks for purchase of credits
8.12	Other Environmental Permits	LS	1	0	0	N/A
<b>Environmental Clearances/Reevaluations</b>						
<b>Technical support to Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)</b>						
8.13.1	NEPA or SEIR Reevaluation	LS	1	0	0	N/A

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.13.2	Archaeological and Historical Features	LS	1	0	0	N/A
8.13.3	Wetland Impact Analysis	LS	1	0	0	N/A
8.13.4	Essential Fish Habitat	LS	1	0	0	N/A
8.13.5	Wildlife and Habitat Impact Analysis	LS	1	0	0	N/A
8.13.6	Section 7 or Section 10 Consultation	LS	1	0	0	N/A per scope
8.14	<b>Preparation of Environmental Clearances and Reevaluations (use when consultant prepares all documents associated with reevaluation)</b>					
8.14.1	NEPA or SEIR Reevaluation	LS	1	0	0	N/A
8.14.2	Archaeological and Historical Features	LS	1	0	0	N/A
8.14.3	Wetland Impact Analysis	LS	1	0	0	N/A
8.14.4	Essential Fish Habitat	LS	1	0	0	N/A
8.14.5	Wildlife and Habitat Impact Analysis	LS	1	0	0	N/A
8.14.6	Section 7 or Section 10 Consultation	LS	1	0	0	N/A per scope
8.15	Contamination Impact Analysis	LS	1	0	0	N/A
8.16	Asbestos Survey	LS	1	0	0	N/A
<b>Environmental Permits, Compliance, and Clearances/Reevaluations Technical Subtotal</b>					<b>268</b>	
8.17	Technical Meetings	LS	1	22	22	Meetings are listed below
8.18	Quality Assurance/Quality Control	LS	%	5%	13	
8.19	Supervision	LS	%	5%	13	
<b>Environmental Permits, Compliance and Clearances Nontechnical Subtotal</b>					<b>48</b>	
8.20	Coordination	LS	%	3%	9	
<b>8. Environmental Permits, Compliance and Clearances Total</b>					<b>325</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
WMD	EA	3	6	18		3
NMFS	EA	0	0	0		0
USACE	EA	1	4	4		1
USCG	EA	0	0	0		0
USFWS	EA	0	0	0		0
USFFWCC	EA	0	0	0		0
FDOT	EA	0	0	0		0
Other Meetings	EA	0	0	0		0



Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Subtotal Technical Meetings</b>						
	Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3
	Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3
<b>Total Meetings</b>					<b>22</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>

Carries to Tab 3

Carries to 8.18

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
City of Northport		
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Task No.	Task	Units	Design and Production Staffhours				Comments				
			No. of Units	Hours per Unit	No. of Sheets	Total					
	<b>General Drawings</b>										
9.1	Key Sheet and Index of Drawings	Sheet	0	0	0	0					
9.2	Project Layout	Sheet	0	0	0	0					
9.3	General Notes and Bid Item Notes	Sheet	0	0	0	0					
9.4	Miscellaneous Common Details	Sheet	0	0	0	0					
9.5	Incorporate Report of Core Borings	Sheet	0	0	0	0					
9.6	Existing Bridge Plans	LS	1	0		0					
9.7	Assemble Plan Summary Boxes and Quantities	LS	1	0		0					
9.8	Cost Estimate	LS	1	0		0					
9.9	Technical Special Provisions	LS	1	0		0					
<b>Structures - Summary and Miscellaneous Tasks and Drawings Subtotal</b>					0	0					
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16	Bridge 1	358	0	0	358	0	0	0	0		
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									
10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									

Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments
10-16	Bridge 10	0				
17	Retaining Walls	156			156	
18	Miscellaneous Structures	100			100	
<b>Structures Technical Subtotal</b>		614	0	0	358	0 0 0 0 0 100
9.10	Field Reviews	LS	1	16	16	2 visits * 2 people * 4 hours = 16 hours
9.11	Technical Meetings	LS	1	12	12	Meetings are listed below
9.12	Quality Assurance/Quality Control	LS	%	5%	31	
9.13	Independent Peer Review	LS	1	0	0	
9.14	Supervision	LS	%	5%	31	
<b>Structures Nontechnical Subtotal</b>					90	
9.15	Coordination	LS	1	0	0	
<b>9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total</b>					90	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0		0
90/100% Comment Review	EA	0	0	0		0
Aesthetics Coordination	EA	0	0	0		0
Regulatory Agency	EA	0	0	0		0
Local Governments (cities, counties)	EA	0	0	0		0
Utility Companies	EA	0	0	0		0
Other Meetings	EA	2	6	12		0
<b>Subtotal Technical Meetings</b>				12		0
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3	--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	--
<b>Total Meetings</b>				12	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 9.11

Carries to Tab 3

Estimator: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd  
 Bridge Identifier (Number or Name):

<b>Representing</b>	<b>Print Name</b>
City of Northport	
American Consulting Professionals/CES	

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Task No.	Task	Units	No. of Units	Hours/Unit	No. of Sheets	Total Hours	Comments
<b>General Layout Design and Plans</b>							
12.1	Overall Bridge Final Geometry	LS	1	16		16	
12.2	Expansion/Contraction Analysis	EA Unit	1	2		2	
12.3	General Plan and Elevation	Sheet	1	36	1	36	
12.4	Construction Staging	Sheet	0	0	0	0	
12.5	Approach Slab Plan and Details	Sheet	1	24	1	24	Non-Standard Approach Slab
12.6	Miscellaneous Details	Sheet	3	16	3	48	Barriers (attachment to Wing wall Caps), riprap details
<b>End Bent Design and Plans</b>							
12.7	End Bent Geometry	EA End Bent	2	8		16	
12.8	End Bent Structural Design	EA Design	1	24		24	
12.9	End Bent Plan and Elevation	Sheet	1	20	1	20	Use one Plan and Elevation view for both Ebs since they are similar
12.10	End Bent Details	Sheet	3	14	3	42	Section, Wing wall plan, wing wall elevation and wing wall section
<b>Intermediate Bent Design and Plans</b>							
12.11	Bent Geometry	EA Bent	0	0		0	
12.12	Bent Stability Analysis	EA Analysis	0	0		0	
12.13	Bent Structural Design	EA Design	0	0		0	
12.14	Bent Plan and Elevation	Sheet	0	0	0	0	
12.15	Bent Details	Sheet	0	0	0	0	
<b>Miscellaneous Substructure Design and Plans</b>							
12.16	Foundation Layout	Sheet	1	12	1	12	
<b>Miscellaneous Superstructure Design and Plans</b>							
12.17	Finish Grade Elevation Calculation	LS	1	8		8	
12.18	Finish Grade Elevations	Sheet	1	16	1	16	
<b>Cast-in-Place Slab Bridges</b>							
12.19	Bridge Deck Design	EA Unit	1	32		32	Frame unit - slab with legs (inverted "U" shape)
12.20	Superstructure Plan	Sheet	1	16	1	16	
12.21	Superstructure Sections and Details	Sheet	2	12	2	24	slab and leg sections and details
<b>Prestressed Slab Unit Bridges</b>							
12.22	Prestressed Slab Unit Design	EA Design	0	0		0	
12.23	Prestressed Slab Unit Layout	Sheet	0	0	0	0	
12.24	Prestressed Slab Unit Details and Schedule	Sheet	0	0	0	0	
12.25	Deck Topping Reinforcing Layout	Sheet	0	0	0	0	
12.26	Superstructure Sections and Details	Sheet	0	0	0	0	
<b>Reinforcing Bar List</b>							

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
12.27	Preparation of Reinforcing Bar List	Sheet	1	10	1	10	
<b>Load Rating</b>							
12.28	Load Ratings	EA Unit	1	12		12	Slab with legs
					<b>12. Structures - Short Span Concrete Bridge Total</b>	<b>15</b>	<b>358</b>

Estimator:

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
City of Northport		
American Consulting Professionals/CES		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>General Requirements</b>							
17.1	Key Sheet	Sheet	1	8	1	8	
17.2	Horizontal Wall Geometry	Per Wall	5	4		20	3 temporary walls at water crossings + 2 permanent sheet pile weirs ("V shaped")
<b>Permanent Proprietary Walls</b>							
17.3	Vertical Wall Geometry	Per Wall	0	0		0	
17.4	Semi-Standard Drawings	Sheet	0	0	0	0	
17.5	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	
17.6	Details	Sheet	0	0	0	0	
<b>Temporary Proprietary Walls</b>							
17.7	Vertical Wall Geometry	Per Wall	0	0		0	
17.8	Semi-Standard Drawings	Sheet	0	0	0	0	
17.9	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	
17.10	Details	Sheet	0	0	0	0	
<b>Cast-in-Place Retaining Walls</b>							
17.11	Design	EA Design	0	0		0	
17.12	Vertical Wall Geometry	EA Wall	0	0		0	
17.13	General Notes	Sheet	0	0	0	0	
17.14	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	
17.15	Sections and Details	Sheet	0	0	0	0	
17.16	Reinforcing Bar List	Sheet	0	0	0	0	
<b>Other Retaining Walls and Bulkheads</b>							
17.17	Design	EA Design	5	8		40	3 temporary walls at water crossings + 2 permanent sheet pile weirs ("V shaped")
17.18	Vertical Wall Geometry	EA Wall	5	6		30	
17.19	General Notes, Tables and Misc. Details	Sheet	1	6	1	6	
17.20	Wall Plan and Elevations	Sheet	5	8	5	40	

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
17.21	Details	Sheet	1	12	1	12	Coping Details
<b>17. Structures - Retaining Walls Total</b>					<b>8</b>	<b>156</b>	

<b>Estimator:</b>	<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
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Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Concrete Box Culvert</b>							
18.1	Concrete Box Culverts	EA	0	0		0	
18.2	Concrete Box Culverts Extensions	EA Extension	0	0		0	
18.3	Concrete Box Culvert Data Table Plan Sheets	Sheet	0	0	0	0	
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Strain Poles</b>							
18.5	Steel Strain Poles	Initial Config EA Add'l Config	0	0		0	
18.6	Concrete Strain Poles	Initial Config EA Add'l Config	3	8		24	Temporary Signals at 3 intersections
18.7	Strain Pole Data Table Plan Sheets	Sheet	1	2	1	2	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Mast Arms</b>							
18.9	Mast Arms	EA Design	12	4		48	4 mast arms at 3 intersections = 12 mast arms
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	2	1	2	
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Overhead/Cantilever Sign Structures</b>							
18.12	Cantilever Sign Structures	EA Design	0	0		0	
18.13	Overhead Span Sign Structures	EA Design	0	0		0	
18.14	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0		0	
18.15	Monotube Overhead Sign Structure	EA Design	0	0		0	
18.16	Bridge Mounted Signs (Attached to Superstr)	EA Design	0	0		0	
18.17	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	0	0	
18.18	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	0	0	
<b>High Mast Lighting</b>							
18.19	Non-Standard High Mast Lighting Structures	EA Design	0	0		0	
18.20	High Mast Lighting Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Noise Barrier Walls (Ground Mount)</b>							
18.21	Horizontal Wall Geometry	EA Wall	0	0		0	
18.22	Vertical Wall Geometry	EA Wall	0	0		0	
18.23	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	0	
18.24	Control Drawings	Sheet	0	0	0	0	
18.25	Design of Noise Barrier Walls Covered by Standards	EA Design	0	0		0	
18.26	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	0		0	
18.27	Aesthetic Details	LS	1	0		0	
<b>Special Structures</b>							
18.28	Fender System	LS	1	0		0	
18.29	Fender System Access	LS	1	0		0	



18.30	Special Structures	LS	1	0	0	0
18.31	Other Structures	LS	1	24	24	Special Light Pole foundations (spread footing or smaller shafts)
<b>18. Structures - Miscellaneous Total</b>						<b>100</b>
						<b>2</b>

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
City of Northport		
American Consulting Professionals/CES		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/Units	Total Hours	Comments
19.1	Traffic Data Analysis	LS	1	0	0	From traffic analysis
19.2	No Passing Zone Study	LS	1	0	0	
19.3	Reference and Master Design File	LS	1	288	288	Middle Range: 45 hours for setup + 90 hours per mile for 2.7 miles = 288 hours
19.4	Multi-Post Sign Support Calculations	EA	8	3	24	8 Next Signal Signs 3 signals in job and 2 on each limit of project
19.5	Sign Panel Design Analysis	EA	18	3	54	10 Acknowledgment/General Service Signs + 8 Next Signal Signs = 18 GuidSigns
19.6	Sign Lighting/Electrical Calculations	EA	1	0	0	
19.7	Quantities	LS	1	52	52	26 plan sheets at 2 hours per sheet.
19.8	Cost Estimate	LS	1	8	8	4 hours for first submittal and 2 hours for each additional submittal for total of 3 submittals of 60%, 90% & 100%.
19.9	Technical Special Provisions	LS	1	0	0	
19.10	Other Signing and Pavement Marking	LS	1	0	0	
<b>Signing and Pavement Marking Analysis Technical Subtotal</b>					<b>426</b>	
19.11	Field Reviews	LS	1	16	16	2 people 1 trip.
19.12	Technical Meetings	LS	1	15	15	Meetings are listed below
19.13	Quality Assurance/Quality Control	LS	%	5%	21	
19.14	Independent Peer Review	LS	%	0%	0	
19.15	Supervision	LS	%	5%	21	
<b>Signing and Pavement Marking Analysis Nontechnical Subtotal</b>					<b>73</b>	
19.16	Coordination	LS	%	3%	15	
<b>19. Signing and Pavement Marking Analysis Total</b>					<b>514</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Sign Panel Design	EA	0	0	0		0
Queue Length Analysis	EA	0	0	0		0

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
	Local Governments (cities, counties)	EA	1	5	5	0
	Other Meetings	EA	2	5	10	0
	<b>Subtotal Technical Meetings</b>				<b>15</b>	<b>Subtotal Project Manager Meetings</b>
	Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3
	Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3
	<b>Total Meetings</b>				<b>15</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>
						<b>0</b>

Carries to 18.12

Carries to Tab 3

Representing		Print Name					Signature / Date	
City of Northport								
American Consulting Professionals/CES								
<b>NOTE: Signature Block is optional, per District preference</b>								
Task No.	Task	Scale	Units	No of Units	Hours/Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	2	6	2	12	Key sheet with key map. (2 sets)
20.2	Summary of Pay Items Including TRNS-Port Input		LS	1	0		0	
20.3	Tabulation of Quantities		Sheet	4	7.5	4	30	26 plan sheets at 7 sheets per tabulation sheet = 4 quantities sheets. 12 hours for the first sheet and 6 hours for each additional sheet = 30 hours.
20.4	General Notes/Pay Item Notes		Sheet	1	8	1	8	
20.5	Project Layout		Sheet	0	0	0	0	
20.6	Plan Sheet	40	Sheet	26	4	26	104	26 sheets for 2.7 miles.
20.7	Typical Details		EA	0	0		0	
20.8	Guide Sign Worksheet(s)		EA	5	2		10	5 sheets with 4 panes each for 18 GuidSigns.
20.9	Traffic Monitoring Site		EA	0	0		0	N/A
20.10	Cross Sections		EA	8	3		24	8 multi-post "Next Signal" signs.
20.11	Special Service Point Details		EA	0	0		0	
20.12	Special Details		LS	1	0		0	
20.13	Interim Standards		LS	1	4		4	
				<b>Signing and Pavement Marking Plans Technical Subtotal</b>		<b>33</b>	<b>192</b>	
20.14	Quality Assurance/Quality Control		LS	%	5%		10	
20.15	Supervision		LS	%	5%		10	
				<b>20. Signing and Pavement Marking Plans Total</b>		<b>33</b>	<b>212</b>	

Estimator: Enter project name & description  
999999-1-52-01

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
City of Northport		
American Consulting Professionals/CES		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
25.1	Data Collection	LS	1	14	14	
25.2	Site Inventory and Analysis	LS	1	20	20	
25.3	Planting Design	LS	1	196	196	
25.4	Irrigation Design	LS	1	166	166	
25.5	Hardscape Design	LS	1	65	65	
25.6	Plan Summary Boxes	LS	1	35	35	
25.7	Cost Estimates	LS	1	16	16	
25.8	Technical Specification Provisions	LS	1	10	10	
25.9	Other Landscape Architecture	LS	1	0	0	
<b>Landscape Architecture Analysis Technical Subtotal</b>					<b>522</b>	
25.10	Outdoor Advertising	LS	1	0	0	
25.11	Field Reviews	LS	1	20	20	
25.12	Technical Meetings / Public Meetings	LS	1	0	0	Meetings are listed below
25.13	Quality Assurance/Quality Control	LS	%	5%	26	
25.14	Independent Peer Review	LS	%	0%	0	
25.15	Supervision	LS	%	5%	26	
<b>Landscape Architecture Analysis Nontechnical Subtotal</b>					<b>72</b>	
25.16	Project Coordination	LS	%	3%	18	
25.17	Interdisciplinary Coordination	LS	%	3%	18	
<b>25. Landscape Analysis Total</b>					<b>612</b>	

<b>Technical Meetings</b>		<b>Units</b>	<b>No of Units</b>	<b>Hours/ Unit</b>	<b>Total Hours</b>	<b>PM Attendance at Meeting Required?</b>	<b>Number</b>
FDOT (kickoff, concept review)		EA	0	0	0		0

Maintaining Agency (cities, counties)	EA	1	3	3	1
Utility Owners	EA	0	0	0	0
Local Agency for Tree Removal	EA	2	2	4	0
Local Citizen Group(s)	EA	2	3	6	2
Other Meetings	EA	0	0	0	0
<b>Subtotal Technical Meetings</b>				<b>13</b>	<b>3</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	--
Phase Review Meetings	EA	3	2	6	--
<b>Total Meetings</b>				<b>19</b>	<b>3</b>

Carries to 25.12

Carries to Tab 3

Representing		Print Name					Signature / Date	
City of Northport								
American Consulting Professionals/CES								
<b>NOTE: Signature Block is optional, per District preference</b>								
Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
26.1	Key Sheet		Sheet	2	3	2	6	
26.2	Tabulation of Quantities		Sheet	3	8	3	24	
26.3	General Notes		Sheet	1	8	1	8	
26.4	Tree and Vegetation Inventory, Protection and Relocation Plans		Sheet	0	0	0	0	
26.5	Planting Plans For Linear Roadway Projects		Sheet	14	10	14	140	
26.6	Planting Plans (Interchanges and Toll Plazas)		Sheet	0	0	0	0	
26.7	Planting Details and Notes		Sheet	2	12	2	24	
26.8	Irrigation Plans for Linear Roadway Project		Sheet	14	12	14	168	
26.9	Irrigation Plans for Interchange and Toll Plazas		Sheet	0	0	0	0	
26.10	Irrigation Details and Notes		Sheet	2	16	2	32	
26.11	Hardscape Plans		Sheet	14	4	14	56	
26.12	Hardscape Details and Notes		Sheet	2	12	2	24	
26.13	Maintenance Plan		Sheet	0	0	0	0	
26.14	Cost Estimate		LS	1	8		8	
<b>Landscape Architecture Plans Technical Hours Subtotal</b>						<b>54</b>	<b>490</b>	
26.15	Quality Assurance/Quality Control		LS	%	5%		25	
26.16	Supervision		LS	%	5%		25	
<b>26. Landscape Architecture Plans Total</b>						<b>54</b>	<b>540</b>	

Estimator: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
City of Northport		
American Consulting Professionals/CES		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/Unit	No. of Sheets	Total Hours	Comments
	<b>Master CADD File</b>						
29.1	Alignment	Mile	3	1		3	
29.2	Section and 1/4 Section Lines	Section	4	2		8	4 sections involved
29.3	Subdivisions / Property Lines	EA	31	2		62	31 Blocks involved. (One Main Subdivision)
29.4	Existing R/W	Mile	3	4		12	
29.5	Topography	Mile	3	4		12	Includes effort to add topographic features to ROW mapping
29.6	Parent Tract Properties/Existing Easements	Parcel	41	2		82	Review titlework, and research through County Property Appraiser web page and County Clerk Data for encumbrances
29.7	Proposed R/W Requirements	Parcel	41	2		82	Effort to plot and "tweak" from Engineers final ROW recommendations
29.8	Limits of Construction	Mile	3	1		3	From Final Cross sections, plotted linear
29.9	Jurisdictional/Agency Lines	Linear Mile	1.5	4		6	3 canal ROW's / SFWMD easements to plot (estimate 0.5 mi. per crossing)
	<b>Sheet Files</b>						
29.10	Control Survey Cover Sheet	Sheet	1			0	Completed by Sub-Consultant
29.11	Control Survey Key Sheet	Sheet	2			0	Completed by Sub-Consultant
29.12	Control Survey Detail Sheet	Sheet	16			0	Completed by Sub-Consultant
29.13	R/W Map Cover Sheet	Sheet	1	6		6	Cover sheet
29.14	R/W Map Key Sheet	Sheet	2	12		24	1" = 400' Key Maps - showing subdivision and sectional breakdown)
29.15	R/W Map Detail Sheet	Sheet	16	18		288	40 scale detail sheets (15600 LF / 1200 LF per sheet + 1 detail sheet per main intersection = 16 Sheets)
29.16	Maintenance Map Cover Sheet	Sheet	0	0		0	N/A
29.17	Maintenance Map Key Sheet	Sheet	0	0		0	N/A
29.18	Maintenance Map Detail Sheet	Sheet	0	0		0	N/A
29.19	Reference Point Sheet	Sheet	3	6		18	Alignment/Baseline references
29.20	Project Network Control Sheet	Sheet	0	0		0	N/A
29.21	Table of Ownerships Sheet	Sheet	1	8		8	One Ownership tabulation sheet
	<b>Miscellaneous</b>						



Task No.	Task	Units	No. of Units	Hours/Unit	No. of Sheets	Total Hours	Comments
29.22	Parcel Sketches	Parcel	41	4		164	Estimate 12 fee takes for roadway, 5 fee takes for pond sites, 24 Temporary Construction easements for Driveway harmonization
29.23	TITF Sketches	Parcel	0	0		0	N/A
29.24	Other Specific Purpose Survey Map	EA	0	0		0	N/A
29.25	Boundary Survey(s) Map	EA	0	0		0	N/A
29.26	R/W Monumentation Map	Sheet	0	0		0	N/A
29.27	Title Search Map	LS	1	2		2	One Map for title work and appraiser basis from Auditor/tax collector information
29.28	Title Search Report	LS	1	17		17	estimated 17 fee takes needing title work, this time is for reviewing encumbrances and plotting them.
29.29	Legal Descriptions	Parcel	41	3		123	
29.30	Final Maps/Plans Comparison	Sheet	19	0		0	
				<b>Mapping Technical Subtotal</b>	<b>0</b>	<b>920</b>	
29.31	Field Reviews	EA	1	24		24	2 field reviews to review ROW information, 2 staff @ 6 hours each
29.32	Technical Meetings	LS	1	15		15	
29.33	Quality Assurance/Quality Control	EA	%	5%		46	
29.34	Supervision	EA	%	5%		46	
				<b>Mapping Nontechnical Subtotal</b>		<b>131</b>	
29.4	Coordination	LS	%	3%		32	Includes Coordination with Aerial Mapper/ Field Surveyor and City
29.4	Supplemental Mapping	LA	%	0%		0	
				<b>29. Mapping Total</b>	<b>0</b>	<b>1083</b>	

Technical Meetings	Units	No of Units	Hours/Unit	Total Hours	PM Attendance at Meeting Required?	Number
Kickoff meeting	EA	1	5	5		0
Control map review	EA	1	0	0		0
45/60/90/final map review	EA	2	5	10		0
Other meetings	EA	0	0	0		0
				<b>Subtotal Technical Meetings</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3	--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	--
				<b>Total Meetings</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to Tab 3

Carries to 29.32



April 30, 2015

Mr. Joel C. McGee, PSM  
Principal  
American Consulting Professionals, LLC  
2818 Cypress Ridge Boulevard, Suite 200  
Wesley Chapel, Florida 33544  
Email: [jmcgee@acp-fl.com](mailto:jmcgee@acp-fl.com)  
Ph. 813-435-2600 Fax 813-435-2601

**RE: Price Boulevard, North Port, Florida (2.7 miles+/-)  
Proposal No. 2015-19**

Dear Joel,

The following is a breakdown of the scope of surveying services that we will be providing for this project.

Set approximately 50 site Benchmarks (at 300' +/- intervals). 30 HOURS FIELD CREW/2 HOURS P.S.M.	\$3,520.00
Prepare Right of Way map, based on surrounding Record Plats and existing monumentation, establish Survey Base Line for the 2.7+/- mile project. 32 HOURS FIELD CREW/16 HOURS COMPUTER DRAFTING/5 HOURS P.S.M.	\$5,190.00
Set approximately 76 Aerial Targets (with x,y,z, coordinates). 57 HOURS FIELD CREW/12 HOURS P.S.M.	\$7,590.00
Establish x,y,z coordinates on approximately 40 Borings. 40 HOURS FIELD CREW/10 HOURS COMPUTER DRAFTING/2 HOURS P.S.M.	\$5,320.00
Prepare Cross-Sections on 4 Waterways, as directed by engineer. 24 HOURS FIELD CREW/12 HOURS COMPUTER DRAFTING/2 HOURS P.S.M.	\$3,700.00
Establish x,y,z coordinates (with size & material) for approximately 126 driveway culverts. 42 HOURS FIELD CREW/12 HOURS COMPUTER DRAFTING/2 HOURS P.S.M.	\$5,680.00
Prepare Centerline Lot Cross-Section for approximately 91 vacant residential lots (elevations to extend 50' +/- inside lot, from Right of Way). 91 HOURS FIELD CREW/30 HOURS COMPUTER DRAFTING/8 HOURS P.S.M.	\$12,990.00
Obtain additional survey information in obscured areas not obtained from aerial photography. ALLOWENCE: 40 HOURS FIELD CREW/20 HOURS COMPUTER DRAFTING/6 HOURS P.S.M	\$6,460.00
Detail Storm Structures within the project limits, to include pipe invert elevations and	\$3,120.00

742 Shamrock Blvd., Venice, FL 34293  
Phone: (941) 497-1290 \*\* Fax: (941) 497-6186  
E-mail: [strayersurveymap@comcast.net](mailto:strayersurveymap@comcast.net)  
**PROPOSAL VALID FOR 30 DAYS**  
Page 1 of 2



EST. 1987  
**STRAYER**  
SURVEYING & MAPPING INC.

	material type. 20 HOURS FIELD CREW/10 HOURS COMPUTER DRAFTING/2 HOURS P.S.M.	
	TOTAL SURVEY ESTIMATE: 376 HOURS FIELD CREW/110 HOURS COMPUTER DRAFTING/41 HOURS P.S.M.	\$53,570.00

Hourly rates for 2015 are as follows:

<i>2-man field crew</i>	-----	<b>\$110.00</b>
<i>2-man GPS crew</i>	-----	<b>\$150.00</b>
<i>3-man field crew</i>	-----	<b>\$135.00</b>
<i>Laborer</i>	-----	<b>\$40.00</b>
<i>Computer drafting</i>	-----	<b>\$70.00</b>
<i>Administrative</i>	-----	<b>\$40.00</b>
<i>Professional Surveyor &amp; Mapper</i>	-----	<b>\$110.00</b>

If you have any questions in regards to this scope, please do not hesitate to contact me.

Sincerely,  
B. Gregory Rieth PSM/CFM

**ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT**

Name of Project: Price Boulevard Widening from Sumner Blvd to Toledo Blade Blvd  
 County: North Port

Consultant Name: Cumbey and Fair  
 Consultant No.: enter consultants proj. number

Estimator: Odell

Date: 5/19/2015

Staff Classification	Total Staff Hours From Firm Summary	Project Manager	Staff Classification 2	Staff Classification 3	Staff Classification 4	Staff Classification 5	Staff Classification 6	Staff Classification 7	Staff Classification 8	Sr. Survey & Mapper	Survey & Mapper	Field Crew Supervisor	SH Technician	SH By Activity	Salary Cost By Activity	Average Rate Per Task
3. Project General and Project Common Tasks	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$148.00	\$125.00	\$105.00	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwg's, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	387	0	0	0	0	0	0	0	0	40	119	40	198	387	\$41,825	\$105.35
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	<b>387</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$5,920.00</b>	<b>\$14,875.00</b>	<b>\$4,200.00</b>	<b>\$16,830.00</b>	<b>397</b>	<b>\$41,825.00</b>	<b>\$105.35</b>

Check = \$41,825.00

SALARY RELATED COSTS:  
 OVERHEAD: \$0.00  
 OPERATING MARGIN: 0%  
 FOCM (Facilities Capital Cost Money): 0.00%  
 EXPENSES: 0.00%  
 SUBTOTAL ESTIMATED FEE: \$41,825.00  
 Survey (Field) 16 3-man crew da \$ 1,275.00 / day  
 SUE (Field) 79 3-man crew da \$ 1,315.00 / day  
 SUBTOTAL ESTIMATED FEE: \$166,184.31  
 Optional Services \$0.00  
**GRAND TOTAL ESTIMATED FEE: \$166,184.31**

Notes:  
 1. This sheet to be used by Subconsultant to calculate its fee.

**27. Survey**

Price Boulevard Widening from Sumler Blvd to Toledo Blade Blvd

Estimator:

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
City of Northport		
Cumbey and Fair		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.1	Horizontal Project Control (HPC)									
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.2	Vertical PC / Bench Line									
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.3	Alignment and Existing RW Lines									
		Mile			0.00		0.00		0.00	
27.4	Aerial Targets			Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
27.5	Reference Points	"A"		Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
	Reference Points	"B"		Units/Day						
	Non Alignment Points/Approximate	EA			0.00		0.00		0.00	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.6	Topography/DTM (3D)	Mile			0.00		0.00		0.00	
27.7	Planimetric (2D)	Mile			0.00		0.00		0.00	
27.8	Roadway Cross-Sections/Profiles	Mile			0.00		0.00		0.00	
27.9	Side Street Surveys	Mile			0.00		0.00		0.00	
27.10	Underground Utilities									
	Designates	Mile/Site	19.38	1.89	36.54	1.50	54.82	2.50	91.36	52 Test Holes for designation support @ 2000' intervals, 84 Test Holes for Mast Arm Cleaning (1 mast arm is equivalent to 7 Test Holes), 164 Test Holes for Drainage and/or Lighting conflicts.
	Locates	Point	248	0.143	35.46	1.50	53.20	2.50	88.66	
	Survey		20%	72.01	14.40	1.50	21.60	2.50	36.00	
27.11	Outfall Survey									
		Mile			0.00		0.00		0.00	
27.12	Drainage Survey									
		EA		Units/Day	0.00		0.00		0.00	
27.13	Bridge Survey									
	Minor / Major	EA			0.00		0.00		0.00	
27.14	Channel Survey									
		EA			0.00		0.00		0.00	
27.15	Pond Site Survey									
		EA			0.00		0.00		0.00	
27.16	Mitigation Survey									
		Mile			0.00		0.00		0.00	
27.17	Jurisdiction Line Survey									
		Mile			0.00		0.00		0.00	
27.18	Geotechnical Support			Units/Day						

**27. Survey**

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.19	Sectional / Grant Survey	EA			0.00		0.00		0.00	
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.20	Subdivision Location									
		Block			0.00		0.00		0.00	
27.21	Maintained R/W									
		Mile			0.00		0.00		0.00	
27.22	Boundary Survey									
		EA			0.00		0.00		0.00	
27.23	Water Boundary Survey									
		EA			0.00		0.00		0.00	
27.24	R/W Staking / R/W Line									
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.25	R/W Monumentation									
		Point			0.00		0.00		0.00	
27.26	Line Cutting									
		Mile			0.00		0.00		0.00	
27.27	Work Zone Safety									
			86	0.1	8.64					
27.28	Miscellaneous Surveys									
					0.00		0.00		0.00	
		<b>Survey Subtotal</b>		<b>Crew Days</b>	<b>95</b>	<b>Field Support Hours</b>	<b>130</b>	<b>Office Support Hours</b>	<b>216</b>	
27.29	Supplemental Surveys									THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
				95	0	0	0	0	0	
27.30	Document Research	Units								
			8.00						8	
27.31	Field Reviews	Units								

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
			8.00						8	
27.32	Technical Meetings	LS							0	
27.33	Quality Assurance / Quality Control	LS	0.00							
27.34	Supervision	LS				5%		5%	11	
27.35	Coordination	LS						5%	18	
								3%	6	
<b>27. Survey Total</b>				<b>Crew Days</b>	<b>95</b>	<b>Field Support Hours</b>	<b>130</b>	<b>Office Support Hours</b>	<b>267</b>	

SPLS =  
 PLS =  
 Office Support = 397  
 Total Hours =

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Kickoff Meeting with FDOT	EA	0	0	0		0
Baseline Approval Review	EA	0	0	0		0
Network Control Review	EA	0	0	0		0
Vertical Control Review	EA	0	0	0		0
Local Governments (cities, counties)	EA	0	0	0		0
Final Submittal Review	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>0</b>	<b>Subtotal PM Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	**	**
Phase Review Meetings	EA	0	0	0	**	**
<b>Total Meetings</b>				<b>0</b>	<b>Total PM Mtgs (carries to Tab 3)</b>	<b>0</b>

Carries to 27.32  
 Carries to Tab 3

\*\* Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3



**UTILITIES  
Man-Hour Estimate for Professional Services Agreement - Price Boulevard (RFP No. 2015-19) - Sumter Boulevard to Toledo Blade Boulevard  
City of North Port  
(642045)**

Description	Principal	Project Manager	Registered PE	Registered EI	Sr. Designer	Designer	Technician	Construction Insp.	Construction Insp.	Clerical	Total Hrs	Sub-Total
<b>PHASE I: Task 4.06 Utility Coordination and Design (LUMP SUM)</b>												
<b>4.06.1 Utility Coordination</b>												
1. Wastewater - Transmission Force Main												
a. Coordinate w/ Existing Utilities	0.00	2.67	2.67	2.67	0.00	0.00	0.00	0.00	0.00	1.33	12.00	
b. Pre-Design Conference	0.87	1.33	1.33	1.33	0.00	0.00	0.00	0.00	0.00	0.00	7.33	
c. Public Involvement (2 mg bid per Task 4.18)	0.00	2.67	2.67	2.67	0.00	0.00	0.00	0.00	0.00	1.33	9.33	
Sub-Total Hours	0.87	6.67	6.67	6.67	0.00	0.00	0.00	0.00	0.00	4.00	28.67	
Hourly Rate	\$145.00	\$145.00	\$145.00	\$145.00	\$100.00	\$80.00	\$80.00	\$105.00	\$90.00	\$55.00		\$3,446.67
Sub-Total Fee	\$126.67	\$966.67	\$966.67	\$966.67	\$400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$220.00		\$3,446.67
<b>2. Potable Water - Distribution Main</b>												
a. Coordinate w/ Existing Utilities	0.00	2.67	2.67	2.67	0.00	0.00	0.00	0.00	0.00	1.33	12.00	
b. Pre-Design Conference	0.00	2.67	2.67	2.67	0.00	0.00	0.00	0.00	0.00	0.00	7.33	
c. Public Involvement (2 mg bid per Task 4.18)	0.87	6.67	6.67	6.67	0.00	0.00	0.00	0.00	0.00	1.33	9.33	
Sub-Total Hours	0.87	11.00	11.00	11.00	0.00	0.00	0.00	0.00	0.00	2.67	28.67	
Hourly Rate	\$145.00	\$145.00	\$145.00	\$145.00	\$100.00	\$80.00	\$80.00	\$105.00	\$90.00	\$55.00		\$3,446.67
Sub-Total Fee	\$126.67	\$966.67	\$966.67	\$966.67	\$400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$220.00		\$3,446.67
<b>3. Re-Use Water - Distribution Main</b>												
a. Coordinate w/ Existing Utilities	0.00	2.67	2.67	2.67	0.00	0.00	0.00	0.00	0.00	1.33	12.00	
b. Pre-Design Conference	0.87	1.33	1.33	1.33	0.00	0.00	0.00	0.00	0.00	0.00	7.33	
c. Public Involvement (2 mg bid per Task 4.18)	0.00	2.67	2.67	2.67	0.00	0.00	0.00	0.00	0.00	1.33	9.33	
Sub-Total Hours	0.87	6.67	6.67	6.67	0.00	0.00	0.00	0.00	0.00	2.67	28.67	
Hourly Rate	\$145.00	\$145.00	\$145.00	\$145.00	\$100.00	\$80.00	\$80.00	\$105.00	\$90.00	\$55.00		\$3,446.67
Sub-Total Fee	\$126.67	\$966.67	\$966.67	\$966.67	\$400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$220.00		\$3,446.67
<b>4.06.2 Design</b>												
<b>1. Wastewater - Transmission Force Main</b>												
a. Concept Design 15%	2.00	16.00	24.00	32.00	16.00	32.00	24.00	0.00	0.00	0.00	116.00	
b. Design 80%	6.00	24.00	32.00	32.00	32.00	32.00	48.00	0.00	0.00	10.00	184.00	
c. Design 90%	2.00	16.00	24.00	32.00	16.00	16.00	24.00	0.00	0.00	4.00	116.00	
d. Design 95%	2.00	8.00	16.00	20.00	20.00	20.00	20.00	0.00	0.00	10.00	96.00	
e. Design 100%	12.00	64.00	96.00	116.00	84.00	116.00	116.00	0.00	0.00	28.00	514.00	
Sub-Total Hours	12.00	145.00	145.00	145.00	145.00	145.00	145.00	0.00	0.00	55.00	555.00	
Hourly Rate	\$190.00	\$145.00	\$145.00	\$145.00	\$100.00	\$80.00	\$80.00	\$105.00	\$90.00	\$55.00		\$59,090.00
Sub-Total Fee	\$2,280.00	\$9,280.00	\$13,920.00	\$13,920.00	\$9,400.00	\$10,440.00	\$0.00	\$0.00	\$0.00	\$1,430.00		\$59,090.00
<b>2. Potable Water - Distribution Main</b>												
a. Concept Design 15%	2.00	16.00	24.00	32.00	16.00	32.00	24.00	0.00	0.00	0.00	116.00	
b. Design 80%	6.00	24.00	32.00	32.00	32.00	32.00	48.00	0.00	0.00	10.00	184.00	
c. Design 90%	2.00	16.00	24.00	32.00	16.00	16.00	24.00	0.00	0.00	4.00	116.00	
d. Design 95%	2.00	8.00	16.00	20.00	20.00	20.00	20.00	0.00	0.00	10.00	96.00	
e. Design 100%	12.00	64.00	96.00	116.00	84.00	116.00	116.00	0.00	0.00	28.00	514.00	
Sub-Total Hours	12.00	145.00	145.00	145.00	145.00	145.00	145.00	0.00	0.00	55.00	555.00	
Hourly Rate	\$190.00	\$145.00	\$145.00	\$145.00	\$100.00	\$80.00	\$80.00	\$105.00	\$90.00	\$55.00		\$59,090.00
Sub-Total Fee	\$2,280.00	\$9,280.00	\$13,920.00	\$13,920.00	\$9,400.00	\$10,440.00	\$0.00	\$0.00	\$0.00	\$1,430.00		\$59,090.00
<b>3. Re-Use Water - Distribution Main</b>												
a. Concept Design 15%	2.00	12.00	24.00	32.00	16.00	32.00	24.00	0.00	0.00	0.00	112.00	
b. Design 80%	6.00	16.00	24.00	32.00	32.00	32.00	48.00	0.00	0.00	10.00	188.00	
c. Design 90%	2.00	16.00	24.00	32.00	16.00	16.00	24.00	0.00	0.00	4.00	118.00	
d. Design 95%	2.00	8.00	16.00	20.00	20.00	20.00	20.00	0.00	0.00	10.00	96.00	
e. Design 100%	12.00	52.00	88.00	116.00	84.00	116.00	116.00	0.00	0.00	28.00	494.00	
Sub-Total Hours	12.00	145.00	145.00	145.00	145.00	145.00	145.00	0.00	0.00	55.00	555.00	
Hourly Rate	\$190.00	\$145.00	\$145.00	\$145.00	\$100.00	\$80.00	\$80.00	\$105.00	\$90.00	\$55.00		\$56,190.00
Sub-Total Fee	\$7,540.00	\$7,540.00	\$12,760.00	\$13,340.00	\$8,400.00	\$10,440.00	\$0.00	\$0.00	\$0.00	\$1,430.00		\$56,190.00
<b>4.06.3-4 Permitting</b>												
<b>1. Wastewater - Transmission Force Main</b>												
a. Concept Design 15%	0.00	4.00	8.00	10.00	12.00	12.00	0.00	0.00	0.00	0.00	36.00	
b. Design 80%	0.00	4.00	8.00	10.00	12.00	12.00	0.00	0.00	0.00	0.00	36.00	
c. Design 90%	0.00	4.00	8.00	10.00	12.00	12.00	0.00	0.00	0.00	0.00	36.00	
d. Design 95%	0.00	4.00	8.00	10.00	12.00	12.00	0.00	0.00	0.00	0.00	36.00	
e. Design 100%	0.00	12.00	24.00	32.00	32.00	32.00	48.00	0.00	0.00	10.00	188.00	
Sub-Total Hours	0.00	24.00	32.00	32.00	32.00	32.00	48.00	0.00	0.00	20.00	168.00	
Hourly Rate	\$160.00	\$145.00	\$145.00	\$145.00	\$100.00	\$80.00	\$80.00	\$105.00	\$90.00	\$55.00		\$12,600.00
Sub-Total Fee	\$0.00	\$1,740.00	\$3,480.00	\$3,480.00	\$3,600.00	\$3,600.00	\$4,800.00	\$0.00	\$0.00	\$1,100.00		\$12,600.00
<b>2. Potable Water - Distribution Main</b>												
a. Concept Design 15%	0.00	4.00	8.00	10.00	12.00	12.00	0.00	0.00	0.00	0.00	36.00	
b. Design 80%	0.00	4.00	8.00	10.00	12.00	12.00	0.00	0.00	0.00	0.00	36.00	
c. Design 90%	0.00	4.00	8.00	10.00	12.00	12.00	0.00	0.00	0.00	0.00	36.00	
d. Design 95%	0.00	4.00	8.00	10.00	12.00	12.00	0.00	0.00	0.00	0.00	36.00	
e. Design 100%	0.00	12.00	24.00	32.00	32.00	32.00	48.00	0.00	0.00	10.00	188.00	
Sub-Total Hours	0.00	24.00	32.00	32.00	32.00	32.00	48.00	0.00	0.00	20.00	168.00	
Hourly Rate	\$160.00	\$145.00	\$145.00	\$145.00	\$100.00	\$80.00	\$80.00	\$105.00	\$90.00	\$55.00		\$12,600.00
Sub-Total Fee	\$0.00	\$1,740.00	\$3,480.00	\$3,480.00	\$3,600.00	\$3,600.00	\$4,800.00	\$0.00	\$0.00	\$1,100.00		\$12,600.00
<b>PHASE I SUB-TOTAL FEE (LUMP SUM)</b>												
TOTAL HOURS	38.00	212.00	324.00	368.00	300.00	300.00	348.00	0.00	0.00	96.00	1,659.67	
HOURLY RATE	\$190.00	\$145.00	\$145.00	\$145.00	\$100.00	\$80.00	\$80.00	\$105.00	\$90.00	\$55.00		\$5,280.00
PHASE I SUB-TOTAL FEE (LUMP SUM)	\$7,220.00	\$30,740.00	\$46,980.00	\$45,770.00	\$30,000.00	\$31,320.00	\$0.00	\$0.00	\$0.00	\$5,280.00		\$197,310.00
<b>OPTIONAL (OPTIONAL ADD-ON TO PHASE I)</b>												
<b>4.06.2 Private Sewering Design &amp; Permitting</b>												
<b>4. Residential Collection and Transmission System</b>												

**UTILITIES  
Man-Hour Estimate for Professional Services Agreement - Price Boulevard (RFP No. 2015-19) - Sumter Boulevard to Toledo Blade Boulevard  
City of North Port  
(6442045)**

a. Concept Design, 15%, Public Outreach/Stakeholder Input	32.00	80.00	100.00	46.00	84.00	0.00	0.00	24.00	420.00
b. Preliminary Design 30%	16.00	60.00	100.00	140.00	100.00	0.00	0.00	16.00	572.00
c. Design 60%	8.00	64.00	120.00	160.00	100.00	0.00	0.00	20.00	560.00
d. Design 100%	8.00	64.00	100.00	120.00	100.00	0.00	0.00	16.00	488.00
e. Permitting & Funding Support	24.00	32.00	48.00	60.00	48.00	0.00	0.00	16.00	252.00
f. Add'l Survey Contingency		48.00	48.00	40.00	0.00	0.00	0.00	16.00	216.00
g. Post-design Services (Hourly NTE Estimate)									
<b>TOTAL HOURS</b>	<b>104.00</b>	<b>348.00</b>	<b>516.00</b>	<b>560.00</b>	<b>412.00</b>	<b>0.00</b>	<b>0.00</b>	<b>108.00</b>	<b>\$30,000.00</b>
<b>HOURLY RATE</b>	<b>\$180.00</b>	<b>\$145.00</b>	<b>\$115.00</b>	<b>\$100.00</b>	<b>\$60.00</b>	<b>\$105.00</b>	<b>\$0.00</b>	<b>\$90.00</b>	<b>\$555.00</b>
<b>OPTION A SUB-TOTAL FEE (LUMP SUM)</b>	<b>\$19,760.00</b>	<b>\$50,460.00</b>	<b>\$59,340.00</b>	<b>\$56,000.00</b>	<b>\$37,080.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$5,840.00</b>	<b>\$341,830.00</b>

**OPTION A SUB-TOTAL (LUMP SUM)**

OPTION A Private Sewering - Post-Design / Services During Construction for Private Sewering (HOURLY NTE)	HOURLY NTE
1. Bidding Services & Negotiations	\$3,000.00
2. Periodic Site Visits	\$7,500.00
3. Shop Drawing Review	\$5,000.00
4. Respond to Contractors Questions	\$2,250.00
5. Review of As-Built Plan Information and Permit Closure	\$3,500.00
6. CEI Services as Requested from City	TBD
<b>TOTAL HOURLY NTE<sup>1</sup></b>	<b>\$25,250.00</b>

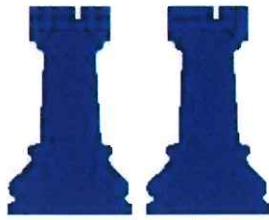
PHASE II: 4.16 Post-Design / Services During Construction (HOURLY NTE) <sup>2</sup>	Wastewater	Potable Water	Re-Use Water
1. Bidding Services & Negotiations	\$2,500.00	\$2,500.00	\$2,500.00
2. Periodic Site Visits	\$3,750.00	\$7,500.00	\$3,750.00
3. Shop Drawing Review	\$2,500.00	\$5,000.00	\$2,500.00
4. Respond to Contractors Questions	\$4,166.67	\$4,166.67	\$4,166.67
5. Review of As-Built Plan Information and Permit Closure	\$2,333.33	\$2,333.33	\$2,333.33
6. CEI Services as Requested from City	TBD	TBD	TBD
<b>TOTAL HOURLY NTE<sup>2</sup></b>	<b>\$15,250.00</b>	<b>\$21,500.00</b>	<b>\$15,250.00</b>

<sup>1</sup> Per scope Task 4.16.6: "CONSTRUCTION ENGINEERING AND INSPECTION SERVICES: Upon request, the CONSULTANT will provide a scope and fee to provide CEI services." This scope and fee assumes that CITY will provide regular CEI Services (daily and weekly inspections, contractor oversight, review, testing, etc.) as indicated in the scoping meetings with CITY.

<sup>2</sup> TOTAL HOURLY NTE assumes that the Hourly NTE level of effort and Hourly NTE may be re-allocated to the sub-tasks 1-5 depending on the actual project requirements during the Construction Phases Services.

<sup>3</sup> Assumes CITY may decide that the utilities work will be let in two (2) separate construction phases corresponding with two (2) separate construction contracts, with the timing of construction phases potentially occurring sequentially, therefore requiring duplicate Tasks 1-5 for each construction phase.

<sup>4</sup> Option A - Private Sewering - The amount of Post-Construction Services may be reduced if Private Sewering construction project phasing is coordinated to coincide with construction phases (Phase II) of the base Price Boulevard widening project.



# I. F. ROOKS & ASSOCIATES, INC.

PHOTOGRAMMETRY

106 N.W. Drane Street  
Plant City, Florida 33563

Tel. (813) 752-2113 (800) 495-3240  
Fax (813) 752-3102  
www.iffrooks.com

May 14, 2015

Joel McGee  
American Consulting Professionals, LLC  
2818 Cypress Ridge Blvd.  
Suite 200  
Wesley Chapel, Florida 33544

Re: Price Blvd. from east of Sumter Blvd. to west of Toledo Blade Blvd.

Dear Mr. McGee:

We are pleased to submit our proposal for topographic mapping, photographic and image services for the referenced project.

### **\*Aerial Photography\***

We will photograph the area with B&W film at scales compatible with the production of photogrammetric and photographic products as outlined herein. The aerial photography will be flown at an altitude of three hundred and fifty feet (350') with a low distortion 6" precision aerial mapping camera. The photography will be adequate for the production of the required maps and photographs.

### **\*Field Control\***

Prior to the flight we will prepare a control diagram detailing the size and location of targets to be placed in the project area. The placement of these targets is not included in this proposal. A total of seventy-six (76) targets will be required. We will require Horizontal and Vertical control on all targets. We will also require survey data collected in obscured areas.

### **\*Topographic Mapping\***

Utilizing new aerial photography and field survey data as outlined above, we will compile a 1" = 20' scale topographic map. Mapping will be delivered on DVD, and will contain all cultural, planimetric, and topographic detail normally shown on maps of this scale.

The horizontal accuracy of the mapping will be such that at least 90% of all well defined features will be shown within 1/40" of their true position at map scale when compared to the nearest control station and none will be in error more than 1/20" using the same comparisons. The vertical accuracy of the mapping will be such that unobscured spot elevations on hard surfaces will be measured to within .04 of a foot when compared to the nearest benchmark.

In areas where dense underbrush, unharvested crops, or evergreen coverage prevents seeing the ground in the aerial photography, the contours will be dashed to indicate that they may not be to the standard accuracy indicated above. In such ground hidden areas we will make use of stereo photogrammetric elevations read where we can see the ground, and we will compile the contours as accurately as possible from the stereo model.

Project: Price Blvd.

**\*Delivery Items\***

- 1. (3) 2D Planimetric Files (MicroStation)
- 2. (1) 3D DTM/Tin File (MicroStation)
- 3. (1) 1" = 40' Digital Mosaic (HMR & Tif)

**\*Fee & Payments\***

Flight & Film Processing:	\$ 3,500.00
Aerial Triangulation:	\$ 8,020.00
Stereo Compilation:	\$ 26,160.00
Map Edit:	\$ 6,240.00
Precision Scanning:	\$ 2,470.00
Image Mosaic:	\$ 3,320.00

Our fee for the services listed above shall be *forty-nine thousand seven hundred ten dollars*, (\$49,710.00), payable upon delivery of all materials and services. The fees contained herein are our normal fee for such services (whether performed for private or governmental clients).

Thank you for the opportunity to furnish this proposal. For your convenience, we are making this form a contract agreement for your file. When you wish to proceed with this project, an executed copy of this document will serve as your acceptance of this proposal.

All terms and conditions of this  
Contract Agreement accepted this

\_\_\_\_\_ Day of \_\_\_\_\_ 2015  
by \_\_\_\_\_

Sincerely,  
I. F. Rooks & Associates, Inc.

  
Isaac Rooks, Jr.

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Price Boulevard Widening from Sumner Blvd to Toledo Blade Blvd  
 County: North Port  
 FPN: \$1180.00  
 FAP No.: \$165.00  
 Consultant Name: American Consulting Professionals, LLC  
 Consultant No.: enter consultants proj. number  
 Date: 6/2/2015  
 Estimator: FTE

Staff Classification	Total Staff Hours From SH Summary Form	Project Manager	Sr Engineer	Project Engineer	Designer	Technician	Clerical	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
3. Project General and Project Common Tasks	78	4	43	0	31	0	0	0	0	0	0	0	0	78	\$10,791	\$138.35
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
9. Structures - Misc. Tasks, Dwg's, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
21. Signalization Analysis	726	22	109	73	218	290	15	0	0	0	0	0	0	727	\$69,213	\$95.20
22. Signalization Plans	212	11	74	21	106	0	0	0	0	0	0	0	0	212	\$27,096	\$127.81
23. Lighting Analysis	584	18	146	88	321	0	12	0	0	0	0	0	0	585	\$70,306	\$120.18
24. Lighting Plans	211	11	74	21	106	0	0	0	0	0	0	0	0	212	\$27,096	\$127.81
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
<b>Total Staff Hours</b>	1,811	66	446	203	782	290	27	0	0	0	0	0	0	1,814	\$204,502.00	\$112.74
<b>Total Staff Cost</b>	\$11,880.00	\$73,590.00	\$26,390.00	\$75,072.00	\$15,950.00	\$1,620.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$204,502.00	\$204,502.00	\$112.74

Sheet = \$204,502.00

SALARY RELATED COSTS:  
 OVERHEAD: 0%  
 OPERATING MARGIN: 0%  
 FCCM (Facilities Capital Cost Money): 0.00%  
 EXPENSES: 0.00%  
 SUBTOTAL ESTIMATED FEE: 0  
 Survey (Field) 4-man crew da \$ / day  
 Geotechnical Field and Lab Testing \$204,502.00  
 Optional Services \$0.00  
**GRAND TOTAL ESTIMATED FEE: \$204,502.00**

Notes:  
 1. This sheet to be used by Subconsultant to calculate its fee.

**Project Activity 21: Signalization Analysis**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
FDOT District		
FTE	Ravi Devaguptapu	

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	308	308	8Hr TMC= 228hrs (19 intersections at 12 hours per intersection); 24Hr AppVol = 36hrs (12 approaches at 3 hours per approach); 5Yr crash reports = 20hrs; 24Hr Speed counts = 24hrs.
21.2	Traffic Data Analysis	PI	3	6	18	Future traffic forecasts; Synchro analysis; phasing.
21.3	Access Management	LS	1	54	54	Access management Class 5 = 24hrs. Speed study, evaluation and recommendations = 30hrs.
21.4	System Timings	LS	1	0	0	N/A
21.5	Reference and Master Signalization Design File	PI	3	32	96	
21.6	Reference and Master Interconnect Communication Design File	LS	1	44	44	16hrs/mile; I" = 1000'
21.7	Overhead Street Name Sign Design	EA	12	2	24	3 intersections w/ block numbers.
21.8	Pole Elevation Analysis	LS	1	3	3	3 intersections
21.9	Traffic Signal Operation Report	LS	1	20	20	
21.10	Quantities	LS	1	9	9	
21.11	Cost Estimate	LS	1	9	9	3 submittals
21.12	Technical Special Provisions	LS	1	0	0	N/A
21.13	Other Signalization Analysis	LS	1	12	12	TCP analysis
<b>Signalization Analysis Technical Subtotal</b>					<b>597</b>	
21.14	Field Reviews	LS	1	12	12	2 reviews x 2 people @ 3hrs
21.15	Technical Meetings	LS	1	12	12	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	7%	42	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	7%	42	
<b>Signalization Analysis Nontechnical Subtotal</b>					<b>108</b>	

Project Activity 21: Signalization Analysis

21.19	Coordination	LS	%	3%	21	
<b>21. Signalization Analysis Total</b>						<b>726</b>

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	1	2	2		0
Maintaining Agency (cities, counties)	EA	2	2	4		0
Railroads	EA	0	0	0		0
Other Meetings - Speed Study	EA	2	3	6		0
<b>Subtotal Technical Meetings</b>				<b>12</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>12</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to Tab 3

Carries to 21.15

Project Activity 22: Signalization Plans

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

Estimator: O.Rodrigues

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
FDOT District	Ravi Devaguptapu	
FTE		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	4	1	4	
22.2	Summary of Pay Items Including Designer Interface (TRNS-Port) Input		Sheet	0	0	0	0	N/A
22.3	Tabulation of Quantities		Sheet	2	6	2	12	
22.4	General Notes/Pay Item Notes		Sheet	1	6	1	6	
22.5	Plan Sheet		Sheet	3	4	3	12	
22.6	Interconnect Plans		Sheet	12	3	12	36	
22.7	Traffic Monitoring Site		EA	0	0		0	N/A
22.8	Guide Sign Worksheet		EA	12	2		24	3 intersections with block numbers.
22.9	Special Details		Sheet	1	8	1	8	Sign bracket am.
22.10	Special Service Point Details		EA	0	0		0	N/A
22.11	Mast Arm/Monotube Tabulation Sheet		PI	0	0		0	N/A
22.12	Strain Pole Schedule		PI	0	0		0	N/A
22.13	TCP Signal (Temporary)		EA	3	24		72	
22.14	Temporary Detection Sheet		PI	3	4		12	
22.15	Utility Conflict Sheet		Sheet	0	0	0	0	N/A
22.16	Interim Standards		LS	1	0		0	N/A
<b>Signalization Plans Technical Subtotal</b>						<b>20</b>	<b>186</b>	
22.17	Quality Assurance/Quality Control		LS	%	7%		13	
22.18	Supervision		LS	%	7%		13	
<b>22. Signalization Plans Total</b>						<b>20</b>	<b>212</b>	



**Project Activity 23: Lighting Analysis**

Estimator: O. Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
FDOT District		
FTE	Ravi Devaguptapu	

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	1	0	0	N/A
23.2	Lighting Design Analysis Report	LS	1	60	60	3 alternatives (pole height, wattage, arm length)
23.3	Aeronautical Evaluation	LS	1	0	0	N/A
23.4	Voltage Drop Calculations	LS	1	24	24	4 circuits x 3hrs/circuit x 2 load centers
23.5	FDEP Coordination and Report	LS	1	0	0	N/A
23.6	Reference and Master Design Files	LS	1	315	315	45hrs setup + (90hrs/mi x 3.0mi)
23.7	Temporary Lighting	LS	1	0	0	N/A
23.8	Design Documentation	LS	1	16	16	Docs
23.9	Quantities	LS	1	58	58	29 sheets x 2hrs/sheet
23.10	Cost Estimate	LS	1	6	6	3 submittals x 2hrs/submittal
23.11	Technical Special Provisions	LS	1	0	0	N/A
23.12	Other Lighting Analysis	LS	1	0	0	N/A
<b>Lighting Analysis Technical Subtotal</b>					<b>479</b>	
23.13	Field Reviews	LS	1	8	8	2 reviews x 2 people @ 2hrs
23.14	Technical Meetings	LS	3	4	12	
23.15	Quality Assurance/Quality Control	LS	%	7%	34	
23.16	Independent Peer Review	LS	%	0%	0	
23.17	Supervision	LS	%	7%	34	
<b>Lighting Analysis Nontechnical Subtotal</b>					<b>88</b>	
23.18	Coordination	LS	%	3%	17	
<b>23. Lighting Analysis Total</b>					<b>584</b>	

Project Activity 23: Lighting Analysis

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	1	4	4		0
Maintaining Agency (cities, counties)	EA	2	4	8		0
Airport authority	EA	0	0	0		0
FDEP Lighting (coast areas)	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>12</b>		<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3	--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	--
<b>Total Meetings</b>				<b>12</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to Tab 3

Carries to 23:14

**24. Lighting Plans**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
FDOT District		
FTE	Ravi Devaguptapu	

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments	
24.1	Key Sheet		Sheet	1	4	1	4		
24.2	Summary of Pay Items Including Designer Interface (TRANS-Port) Input		Sheet	0	0	0	0	N/A	
24.3	Tabulation of Quantities		Sheet	3	8	3	24	12hrs 1st sheet + 6hrs/additional sheet	
24.4	General Notes/Pay Item Notes		Sheet	1	6	1	6		
24.5	Pole Data, Legend and Criteria		Sheet	2	13	2	26	16hrs 1st sheet + 10hrs/additional sheet	
24.6	Service Point Details		Sheet	1	8	1	8		
24.7	Project Layout		Sheet	3	6	3	18		
24.8	Plan Sheet		Sheet	29	3	29	87	Scale 1" = 40'	
24.9	Special Details		Sheet	1	12	1	12	Decorative poles	
24.10	Temporary Lighting Data and Details		Sheet	0	0	0	0	N/A	
24.11	Traffic Control Plan Sheets		Sheet	0	0	0	0	N/A	
24.12	Interim Standards		LS	1	0		0	N/A	
<b>Lighting Plans Technical Subtotal</b>							<b>41</b>	<b>185</b>	
24.13	Quality Assurance/Quality Control		LS	%	7%		13		
24.14	Supervision		LS	%	7%		13		
<b>24. Lighting Plans Total</b>							<b>41</b>	<b>211</b>	

July 27, 2016

SUPPLEMENTAL AGREEMENT No. 1

Scope of Services  
Professional Services Agreement  
Price Boulevard (RFP No. 2015-19)  
Sumter Boulevard to Toledo Blade Boulevard  
City of North Port

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July 27, 2016

Supplemental Agreement No 1  
Scope of Services  
Professional Services Agreement  
Price Boulevard (RFP No. 2015-19)  
Sumter Boulevard to Toledo Blade Boulevard  
City of North Port

**1.00 PROJECT OBJECTIVE AND DESCRIPTION**

- 1.01 The City of North Port executed a contract with Charlotte Engineering and Survey, a Florida corporation and wholly owned subsidiary of American Consulting Engineers of Florida, LLC, to design the widening of Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard on September 28, 2015.
- 1.02 This Supplemental Agreement includes services required of the CONSULTANT for preparation and attendance at three public involvement meetings.
- 1.03 These services shall be completed in accordance with the original executed contract.

**4.00 BASIC SERVICES - SCOPE AND RESPONSIBILITY REQUIREMENTS**

The CONSULTANT will provide the following services for the Project. The section numbers correspond to the numbering in the contracted scope of services.

4.18 Community Involvement:

The CONSULTANT will prepare for and conduct three (3) additional public information meetings. Four (4) CONSULTANT staff members will attend each meeting. The CITY will provide staff for the welcome/sign-in table. Graphics used in the initial public meeting will be updated one time for use in the three additional meetings. The CITY will prepare a presentation for use in the meetings. CONSULTANT will provide graphic clips for use in developing the presentation. CONSULTANT will review and provide input on the presentation. CONSULTANT will summarize public input from the meetings in one summary after the third meeting. CITY will prepare responses to public comments.

**6.00 MILESTONE DATES:**

- 6.06 The current contract end date is September 27, 2016. This supplemental agreement will extend the contract end date to September 27, 2017. The end date is being extended due to the addition of three public meetings as requested by the Board of City Commissioners. The Commission is anticipated to approve the final typical section in December 2016 after the three public meetings are held.

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT - SA No. 1

Name of Project: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd  
 Consultant Name: American Consulting Professionals, LLC  
 Consultant No.: 5159774  
 Date: 7/27/2016  
 Estimator: Ryan Forrestel

Amendment 1 to Agreement No. 2015-19  
 Scope and Fee

Staff Classification	Total Staff Hours From "SH" Summary -	Project Manager	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clerical	Sr. Surveyor	Salary Cost By Activity
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
3a. Public Meeting Preparation	42	13	0	11	8	0	0	6	0	0	0	4	0	\$7,412
3b. Public Meeting Attendance	108	32	0	27	22	0	0	16	0	0	0	11	0	\$18,858
3c. Post Design Services (Optional)	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
8. Environmental Permits	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
9. Structures - Misc. Tasks, DWGs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
<b>Total Staff Hours</b>	<b>150</b>	<b>45</b>	<b>0</b>	<b>38</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>\$26,270.00</b>
<b>Total Staff Cost</b>		<b>\$9,945</b>	<b>\$0</b>	<b>\$7,562</b>	<b>\$5,010</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,175</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,575</b>	<b>\$0</b>	<b>\$26,270.00</b>

SALARY RELATED COSTS:

EXPENSES:

0.00%

4-man

/ day

Survey (Field) crew days \$

**SUBTOTAL ESTIMATED FEE (LUMP SUM):**

Subconsult Strayer (Survey)

Subconsult Universal (Geotechnical)

Subconsult Cumbey & Fair (SUE locates and designates)

Subconsult Weiler (Utility design)

Subconsult IF Rooks (LAMP)

Subconsult FTE (Signals and Lighting)

Subconsult FL Acquisition & Appraisals (Optional Services)

**SUBTOTAL ESTIMATED FEE (NOT TO EXCEED):**

T&M Service Weiler for Residential Collection and Transmission Sewer System (Optional Services)

T&M Service Weiler for Post Design Services (Optional Services)

T&M Service FL Acquisition & Appraisals (Optional Services)

T&M Service American for Post Design Services (Optional Services)

T&M Service American Government Services Corporation for Title Searches (Optional Services)

**SUBTOTAL ESTIMATED FEE (TIME AND MATERIALS, NOT TO EXCEED):**

**GRAND TOTAL ESTIMATED FEE:**

\$0.00

\$26,270.00

Estimator: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
City of Northport		
American Consulting Professionals/CES		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	
3.1.2	Notifications	LS	1	0	0	
3.1.3	Prepare Mailing Lists	LS	1	0	0	
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	0	0	
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation	LS	1	0	0	
3.1.9	Public Meeting Preparations	LS	1	150	150	See Public Workshop tab for break down for 3 additional workshops
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	
3.1.11	Other Agency Meetings	LS	1	0	0	
3.1.12	Web Site	LS	1	0	0	
<b>3.1 Public Involvement Subtotal</b>					<b>150</b>	
3.2	Joint Project Agreements	EA	0	0	0	N/A
3.3	Specifications Package Preparation	LS	1	0	0	
3.4	Contract Maintenance and EDMS	LS	1	0	0	16hrs set-up + (3hrs x 12mo)
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	N/A
3.6	Prime Consultant Project Manager Meetings	LS	1	0	0	See listing below
3.7	Plans Update	LS	1	0	0	N/A
3.8	Post Design Services	LS	1	0	0	See Tab 3a.
3.9	Digital Delivery	LS	1	0	0	Prepare AutoCadd compatible files.
3.10	Risk Assessment Workshop	LS	1	0	0	N/A

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	N/A
3.12	Other Project General Tasks	LS	1	0	0	N/A
<b>3. Project Common and Project General Tasks Total</b>					<b>150</b>	
<b>3.6 - List of Project Manager Meetings</b>						
	Roadway Analysis	EA	0	5	0	
	Drainage	EA	0	5	0	
	Utilities	EA	0	0	0	
	Environmental	EA	0	6	0	
	Structures	EA	0	0	0	
	Signing & Pavement Marking	EA	0	0	0	
	Signalization	EA	0	0	0	
	Lighting	EA	0	0	0	
	Landscape Architecture	EA	0	5	0	
	Survey	EA	0	0	0	
	Photogrammetry	EA	0	0	0	
	ROW & Mapping	EA	0	0	0	
	Terrestrial Mobile LIDAR	EA	0	0	0	
	Architecture	EA	0	0	0	
	Noise Barriers	EA	0	0	0	
	ITS Analysis	EA	0	0	0	
	Geotechnical	EA	0	0	0	
	Progress Meetings	EA	0	0	0	
	Phase Reviews	EA	0	0	0	
	Field Reviews	EA	0	0	0	
<b>Total Project Manager Meetings</b>			<b>0</b>		<b>0</b>	<b>Total PM Meeting Hours carries to Task 3.6 above</b>

**Notes:**

1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
2. Do not double count agency meetings between permitting agencies.
3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.



Public Workshop Estimate (Preparation and Attendance) for 3 additional workshops

Hours	Activity
0	Prepare detailed workshop schedule and maintain
0	Research sites for workshop (City to provide location)
0	Review previous mailing list and past public engagement meetings
0	Compile Mailing List
0	Prepare letter announcement (Elect officials)
0	Prepare letter announcement (Public in 300' and stakeholders)
0	Process mailing of announcements
0	Prepare newspaper ads (City to provide advertisement)
0	Coordinate newspaper ads with newspaper (City to coordinate)
0	Prepare and print handouts for attendees
0	Prepare and print sign in sheets
8	Prepare and plot general exhibits (welcome, directional signs, citations, schedule, reveal process)
0	Prepare and plot traffic exhibits
10	Prepare, colorize and plot typical section exhibits
12	Prepare and plot aerial roll plot (Incorporate comments from City)
4	Provide graphic clips for presentation being prepared by City and review presentation
0	Update workshop materials, exhibits after pre-briefing/briefing meetings
8	Review and compile comments, prepare matrix and coordinate with City
0	Prepare Public Workshop Scrapbook/Summary
0	Responses to public comments for City PMI to distribute
<u>42</u>	<u>Total hours to prep for public workshop</u>
0	Pre-briefing meeting with PM and PI lead incl prep/notes (3 staff at 6 hrs)
24	Coordination meeting with PM, PI and City leadership incl prep/notes (2 meetings with 3 staff at 4 hrs)
84	Attend 3 public workshop (4 staff at 7 hrs)
0	De-briefing meeting and comment responses incl prep/notes (3 staff at 4 hrs)
<u>108</u>	<u>Total hours of meeting attendance</u>
150	

0

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Price Blvd SA No 1 2016 07 27.xlsx  
Public Workshop

SUPPLEMENTAL AGREEMENT No. 2

Scope of Services  
Professional Services Agreement  
Price Boulevard (RFP No. 2015-19)  
Sumter Boulevard to Toledo Blade Boulevard  
City of North Port

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Supplemental Agreement No 2  
Scope of Services  
Professional Services Agreement  
Price Boulevard (RFP No. 2015-19)  
Sumter Boulevard to Toledo Blade Boulevard  
City of North Port

**1.00 PROJECT OBJECTIVE AND DESCRIPTION**

- 1.01 The City of North Port executed a contract with Charlotte Engineering and Survey, a Florida corporation and wholly owned subsidiary of American Consulting Engineers of Florida, LLC, to design the widening of Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard on September 28, 2015.
- 1.02 This Supplemental Agreement includes the following services required of the CONSULTANT:
- 1.02.1 Right turn lanes on Price Boulevard
- 1.02.1.1 Preparation of a study to evaluate the addition of right turn lanes in each direction on Price Boulevard at Salford Boulevard, Cranberry Boulevard, and Chamberlain Boulevard. The study will determine if right turn lanes are warranted at each intersection in the existing 2-lane condition and in the ultimate 5-lane configuration. Right turn lanes will not be evaluated on Salford Boulevard, Cranberry Boulevard, and Chamberlain Boulevard.
- 1.02.1.2 Should right turn lanes on Price Boulevard be warranted at any of the intersections in the existing 2-lane condition, the CONSULTANT shall design the right turn lanes and prepare a set of interim construction plans to construct the warranted right turn lanes. Preparation of these interim construction plans are to be expedited. It is assumed no additional survey, geotechnical or right-of-way is required for the addition of right turn lanes in the existing 2-lane condition. If right turn lanes are warranted at Salford Boulevard, one bus stop at will require relocation.
- 1.02.2 Preparation of construction plans to replace the existing traffic signal at Salford Boulevard.
- 1.02.2.1 The new signal will be designed to accommodate the future widening of Price Boulevard to a 5-lane undivided curb and gutter roadway with bicycle lanes and sidewalks, or mixture thereof. The construction of the signal will be included in the plans to construct right turn lanes on Price Boulevard for the 2-lane condition (Section 1.02.1). If right turn lanes are not warranted, a separate set of construction plans for the new signal at Salford Boulevard will be prepared.
- 1.02.2.2 Street lighting will be provided on the mast arms.
- 1.02.3 CONSULTANT shall conduct a speed study of Price Boulevard from Biscayne Drive to Orlando Boulevard, a distance of about 12 miles.
- 1.02.4 Modification of the typical section from a 4-lane divided section to a 5-lane section with a continuous two way left turn lane.

- 1.02.4.1 On July 24, 2017 the Board of City Commissioners modified the Price Boulevard typical section from a 4-lane divided roadway to a 5-lane undivided curb and gutter roadway with bicycle lanes and sidewalks, or a combination thereof. The change in typical section requires modification of the scope for the roadway profile, street lighting, landscaping, utility locations, signing and striping, and drainage design.
  - 1.02.4.2 Prior to the start of design of the 5-lane section, the CONSULTANT shall prepare an alternatives analysis of the 5-lane section. The analysis shall consider various widths of the bike lane, sidewalk and width between the back of sidewalk and right-of-way line. A total of three alternatives will be considered. The 5-lane section shall consist of a 12 foot median two-way left turn lane, four 11 foot through lanes, and a 2 foot grass strip between the back of curb and sidewalk for installation of signs and mailboxes. A brief summary of the analysis will be prepared identifying the pros and cons of each alternative with a drawing of each alternative. Design work and cost estimates are not required for the alternative analysis. Once the CITY selects the preferred alternative, CONSULTANT will proceed with the 5-lane design of Price Boulevard.
  - 1.02.5 Construction phasing of segment from Sumter Boulevard to Salford Boulevard
    - 1.02.5.1 CONSULTANT shall evaluate the benefit on traffic flows for the expedited construction of the 5-lane section from Sumter Boulevard to Salford Boulevard. The evaluation will consider constructing the 5-lane section earlier in the construction of Price Boulevard up to the west side of Salford Boulevard, or to extend the 5-lane section to the east side of Salford Boulevard for a specific distance.
    - 1.02.5.2 Should the CITY decide to the early construction phasing of the 5-lane section from Sumter Boulevard to Salford Boulevard, the CONSULTANT shall add the appropriate MOT phasing notes to the construction plans requiring the contractor to build this section first.
  - 1.02.6 Prepare a conceptual assessment for the feasibility of coordinating the 3 signals to improve progression along Price Boulevard. No calculations or design will be performed. There is no interconnect between the signals now.
  - 1.02.7 One public meeting will be provided after the 60% design submittal. The meeting will be informational; input from the public will not be sought.
  - 1.02.8 CONSULTANT's hourly rates for all new and remaining contracted work will be increased to reflect the delay in completing the design. The original contracted hourly rates were set in 2015 with the construction plans to be completed in August 2016. These new hourly rates will be valid for all work through December 31, 2019.
- 1.03 Milling and resurfacing of the existing Price Boulevard pavement will be conducted by the CITY with no involvement from the CONSULTANT.

- 1.04 No additional Right-of-Way will be acquired in this Supplemental Agreement. This Supplemental Agreement does not include work west of Sumter Boulevard.
- 1.05 These services shall be completed in accordance with the original executed contract except as modified hereinafter.

#### **4.00 BASIC SERVICES - SCOPE AND RESPONSIBILITY REQUIREMENTS**

The CONSULTANT will provide the following services for the Project. The section numbers correspond to the numbering in the contracted scope of services.

4.01 The CONSULTANT shall prepare, furnish and maintain a bar chart schedule for the Project design services. The schedule shall be submitted to the CITY for review within 10 working days of receiving NTP.

4.02 Design, Construction Plans and Bidding Documents:

4.02.1 Subject plans shall include design and construction requirements for 5-lane roadway improvements; driveway/sidewalk improvements; potable water, sanitary sewer, and re-use water utility improvements; drainage improvements; temporary sheet piling for corrugated metal pipe (CMP) replacement at three waterway crossings; extension of 3-Sided Bridge Culvert at MacCaughey Waterway; Permanent Sheet Pile Weir at 2 waterway crossings; special light pole (spread footings or shafts) foundation designs; landscaping, hardscaping and irrigation; street lighting; other incidental design items within the Project limits. Maintenance of traffic plans and sequences of construction shall be provided. The above designs and plans shall be prepared in accordance with current standards adopted by the American Association of State Highway and Transportation Officials, the Florida Department of Transportation, the City of North Port, as listed hereinafter or as will be made known to the CONSULTANT during performance of all services for the Project.

Specific improvements are as follows:

(a) Typical Section: 4 – 11 foot lanes with a 12 foot two-way center left turn lane, Type F curb and gutter, bike lanes, sidewalks and a 2 foot grass strip between the curb and gutter and sidewalk. The width of the sidewalk and bike will be determined by the typical section alternatives analysis (Section 1.02.4.2). Price Boulevard is to be centered within the existing 100 foot right-of-way (ROW).

(b) Key Design Criteria

- 1.) Design speed will be 45 mph
- 2.) Design vehicle – WB 50
- 3.) Access management class 5

4.02.2 Subject plans shall include design and construction requirements for roadway improvements; drainage improvements associated with the

addition of EB and WB right turn lanes (12' wide) at Salford Boulevard, Cranberry Boulevard, and Chamberlain Boulevard if warranted; and permanent mast arm design at Salford Boulevard, Cranberry Boulevard, and Chamberlain Boulevard intersections with lighting attached to the mast arm poles. Note – the signal design is part of the original scope of services.

- 4.02.3 Conduct a speed study along Price Boulevard from Biscayne Drive to Orlando Boulevard, a distance of about 12 miles.
- 4.02.4 Maintenance of traffic plans and sequences of construction shall be provided. The above designs and plans shall be prepared in accordance with current standards adopted by the American Association of State Highway and Transportation Officials, the Florida Department of Transportation, the City of North Port, as listed hereinafter or as will be made known to the CONSULTANT during performance of all services for the Project.
- 4.02.5 Two sets of construction plans and bidding documents will be prepared. One set will be for the construction of right turn lanes along the existing 2 lane Price Boulevard and/or for the construction of a new traffic signal at Salford Boulevard. The second set of plans will be for the 5 laning of Price Boulevard.
- 4.02.6 Engineer's opinion of time of construction for the designed improvements.

#### 4.03 Plans and Design Submittals:

##### 4.03.1 Conceptual Design Analysis

###### 4.03.1.1 Typical Section Analysis

The CONSULTANT shall prepare a conceptual analysis for the proposed 5-lane typical section. Up to three alternative 5-lane sections will be considered to evaluate sidewalk width, bike lane width and border width (space between Right-of-Way line and back of sidewalk). Pros and cons of each section will be identified. The findings of the conceptual design analysis will be presented to CITY staff.

###### 4.03.1.2 Right Turn Lane Analysis

The CONSULTANT shall prepare a study to evaluate the addition of right turn lanes in each direction on Price Boulevard at Salford Boulevard, Cranberry Boulevard, and Chamberlain Boulevard as per Section 1.02.1.

###### 4.03.1.3 Preliminary Design Analysis

Following approval of the final 5-lane typical section by the CITY, a preliminary design analysis will be performed for the proposed improvements in preparation for a 15% Line and Grade meeting between the CITY and CONSULTANT. The analysis will address:

- (a) Finalizing the proposed typical section
- (b) Horizontal and vertical alignment
- (c) Storm drainage design and pond locations for the extended project limits
- (d) Access management
- (e) Permitting requirements
- (f) Potable water, sanitary sewer, and re-use water facilities
- (g) Maintenance of Traffic Concepts

4.04 Design Survey:

No additional survey is required.

4.05 Subsurface Investigation and Pavement Design:

No additional subsurface investigation is required for the proposed improvements.

4.06 Utility Coordination and Design:

4.06.1 The CONSULTANT shall coordinate with CITY Utility Department and update the conceptual design to reflect a 5-lane section. This includes conducting a design conference update with CITY's Utility staff related to the utilities design changes required for the 5-lane section. The CONSULTANT shall also coordinate with all utility owners of private and public utility facilities within the project limits to obtain updates on recently constructed private and public facilities in the project area and/or confirm that there are none recently constructed since early 2016. The results of these meetings and coordination will be incorporated by CONSULTANT in the revised concept design and typical roadway section for 5-lane section, and will be presented for review at the 15% Line and Grade design review meeting and revised 15% utilities design and plans submittal milestone.

4.06.2 The CONSULTANT shall provide utility engineering, design, and plan preparation services for improvements to the CITY's potable water, sanitary sewer, and re-use water facilities.

4.06.2.1 Wastewater Transmission System consisting of deflection and/or relocation of three (3) Force Mains (8", 12", and 12"). CONSULTANT will coordinate with CITY's Utilities Department (NPU) related to the change from original 4-lane divided to 5-lane roadway section, and will revise the previously delivered 15% preliminary design plans submittal to reflect NPU staff input and the new 5-lane roadway section design constraints. Subsequent wastewater utilities engineering and design (60%, 90% and Final design submittals) is included under the original Scope of Services and Agreement.

4.06.2.2 Water Distribution System consisting of a new 16" Water Main to replace the existing varying size (i.e.10-12-16") and varying type (e.g. DIP, AC) water main within the project area. CONSULTANT will coordinate with CITY's



Utilities Department (NPU) related to the change from original 4-lane divided to 5-lane roadway section, and will revise the previously delivered 15% preliminary design plans submittal to reflect NPU staff input and the new 5-lane roadway section design constraints. Subsequent potable water utilities engineering and design (60%, 90% and Final design submittals) is included under the original Scope of Services and Agreement.

- 4.06.2.3 Re-Use Water Distribution System consisting of a new 18" Re-Use Water Main. CONSULTANT will coordinate with CITY's Utilities Department (NPU) related to the change from original 4-lane divided to 5-lane roadway section, and will revise the previously delivered 15% preliminary design plans submittal to reflect NPU staff input and the new 5-lane roadway section design constraints. Subsequent re-use water utilities engineering and design (60%, 90% and Final design submittals) is included under the original Scope of Services and Agreement.

4.07 Drainage Design Requirements:

- 4.07.1 The conceptual drainage design and pond sizing shall be modified to accommodate the proposed 5-lane typical section between Sumter Boulevard and Toledo Blade Boulevard. No additional ROW will be required for the pond sites.
- 4.07.2 Construction of right turn lanes along 2-lane Price Boulevard. The existing drainage facilities shall be modified to accommodate the proposed right turn lane improvements. All drainage work shall be within proposed roadway rights-of-way. Additional water quality treatment and/or attenuation is not anticipated. Permits from SWFWMD or other regulatory agencies are not anticipated except for a permit modification at Cranberry Boulevard.

4.08 Environmental Services:

No additional environmental services are anticipated.

4.10 Maintenance of Traffic Plan Preparation:

The CONSULTANT is required to design and prepare plans for the maintenance of traffic (MOT) for the proposed roadway improvements. MOT plans shall address vehicular, pedestrian, and bicyclist traffic, through the construction area, as well as maintaining access to adjacent properties. Detailed MOT plans are required. Temporary traffic signals are to be provided as needed.

MOT phasing notes are to be provided for expedited construction of the 5-lane typical section from Sumter Boulevard to Salford Boulevard as described in Section 1.02.5.

4.11 Highway Lighting:

- 4.11.1 The location of the highway light poles will be moved from the median to the outside of the roadway for the 5-lane section. The CONSULTANT is required to evaluate the impacts associated with

the increased number of light poles near driveways, circuits, conduits and load centers.

4.11.2 If the CITY elects to construct the new Salford Boulevard signal as an interim construction package, the CONSULTANT shall provide street lighting at the signalized intersection. The lights will be mounted on the new mast arm poles. No additional lighting will be provided except when Price Boulevard is widened to 5-lanes.

4.12 Signing and Pavement Markings:

The CONSULTANT is required to design and prepare plans for customary ground-mounted signing and pavement markings along Price Boulevard within the project limits for the addition of the right turn lanes. Internally illuminated street name signs are to be provided at signalized intersections for Price Boulevard and the cross streets. Signs are to be mounted on the mast arms.

4.13 Signalization:

The CONSULTANT is required to design and prepare plans for new mast arm traffic signals at Salford Boulevard as a separate, early construction package that may be combined with construction of right turn lanes on Price Boulevard. Adjustments to the alignment of the signal heads and pedestrian signals will be addressed during the widening to 5-lanes. Interconnect communication will be included with the widening to 5-lanes. New signals at Cranberry Boulevard and Chamberlain Boulevard will be designed as part of the 5-lane project.

4.14 Landscaping, Hardscape and Irrigation:

To be determined after meeting City Commission approves the typical section.

4.18 Community Involvement:

The CONSULTANT will prepare for and conduct one (1) additional public information meeting for the 5-lane typical section. Four (4) CONSULTANT staff members will attend the meetings. The CITY will provide staff for the welcome/sign-in table. Graphics used in the previous public meeting will be prepared by the CONSULTANT. The CITY will prepare a presentation for use in the meetings. CONSULTANT will provide graphic clips for use in developing the presentation. CONSULTANT will review and provide input on the presentation. Solicitation from the public will not be sought. Any input provided by the public will not be summarized.

The CONSULTANT will attend two (2) City Commissioner meetings during the course of the design.

4.19 Right-of-Way Requirements:

No additional right-of-way is required for the 5-lane roadway improvements or ponds. If right turn lanes are added to the 5-lane typical section, additional right-of-way may be required. If additional right-of-way is needed, a supplemental agreement will be required.

4.21 Speed Study:

- 4.21.1 Inventory of Existing Conditions: The CONSULTANT shall collect roadway geometry, existing signing, major traffic control devices (e.g. signals), sight restrictions etc. for the corridor.
- 4.21.2 Speed Counts: The CONSULTANT shall collect 24-hour speed counts at 15 minute increments with hourly totals. Typically, portable machine counts shall be collected on a weekday starting at midnight, on a Tuesday, Wednesday, or Thursday unless otherwise directed. The location of the speed counts shall be selected at mid-block locations where there is minimum disturbance from turning movements from adjacent streets or start up traffic from stop signs or traffic signals. The count stations shall be set with approximately one (1) mile intervals between stations. The speed counts shall be collected at the following locations (the exact locations will be finalized with the CITY prior to collecting data):
1. Price Boulevard, east of Narramore Street
  2. Price Boulevard, west of Eagles Flight Way
  3. Price Boulevard, east of N Race Street
  4. Price Boulevard, west of Waconia Street
  5. Price Boulevard, west of Low Street
  6. Price Boulevard, east of Caliva Street
  7. Price Boulevard, west of Jeannin Drive
  8. Price Boulevard, west of Longworthy Rd
  9. Price Boulevard, east of Atwater Drive
  10. Price Boulevard, west of Yorkshire Street
  11. Price Boulevard, west of Yorkshire Street
  12. Price Boulevard, west of Norton Drive
- 4.21.3 Speeds at Horizontal Curves: Advisory speeds for the horizontal curves shall be evaluated using the Ball-Bank Indicator method as per the procedure in the FDOT Manual on Uniform Traffic Studies, Chapter 10 Advisory Speed Study.
- 4.21.4 Meetings: No meetings are anticipated with the CITY staff for this study.
- 4.21.5 Analysis and Documentation: CONSULTANT shall analyze the speed data to determine pace, the median speed, the standard deviation, the 85th percentile speed, etc.
- 4.21.6 Final Deliverable: CONSULTANT shall prepare a technical memorandum summarizing the results of the speed study for submittal to the CITY.

## **6.00 MILESTONE DATES:**

- 6.06 The current contract end date is September 27, 2017. This supplemental agreement will extend the contract end date to December 31, 2019. The end date is being extended due to the delay in adopting a preferred typical section for the widening of Price Boulevard which is expected to occur in 2018.

A draft speed study report and a draft right turn lane report shall be completed submitted to the CITY within 4 calendar weeks after receiving Notice to Proceed. The final reports will be submitted within two calendar weeks after receiving comments from the CITY on the draft report.

**ESTIMATE OF WORK EFFORT AND COST - SUMMARY OF SA No. 2 CONSULTANT FEES**

Name of Project: **Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 Summary**  
 City: City of North Port

Consultant Name: American Consulting Professionals, LLC  
 Consultant No.: 5159774  
 Date: January 30, 2018  
 Estimator: Ryan Forrestel

<b>SA No. 2 Component Fees</b>	<b>American</b>	<b>Weiler</b>	<b>FTE</b>	<b>Total</b>
1. 5-Lane Section	\$238,373.00	\$22,434.67	\$25,218.00	\$286,025.67
2. Right Turn Lanes	\$193,035.00	\$3,460.00	\$8,795.00	\$205,290.00
3a. Salford Signal	\$48,667.00	\$0.00	\$17,073.00	\$65,740.00
3b. Cranberry Signal	\$28,402.00	\$0.00	\$17,073.00	\$45,475.00
3c. Chamberlain Signal	\$28,402.00	\$0.00	\$17,073.00	\$45,475.00
4. Speed Study	\$0.00	\$0.00	\$24,275.00	\$24,275.00
5. Rate Adjustment for Contracted Work	\$180,492.00	\$15,088.00	\$19,979.00	\$215,559.00
<b>Total</b>	<b>\$717,371.00</b>	<b>\$40,982.67</b>	<b>\$129,486.00</b>	<b>\$887,839.67</b>

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Right Turn Lanes  
 County: North Port  
 FPN:  
 FAP No.:

Consultant Name: American Consulting Professionals, LLC  
 Consultant No.: 5159774  
 Date: 1/29/2018  
 Estimator: Ryan Forrestel

Staff Classification	Total Staff Hours From 'SH Summary -	Project Manager	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clerical	Sr. Surveyor	SH By Activity	Salary Cost By Activity	Optional SH By Activity	Optional Salary Cost By Activity	Average Rate Per Task	Safford Boulevard	Cranberry Boulevard	Chamberlain Boulevard
		\$249.00	\$280.00	\$224.00	\$188.00	\$114.00	\$169.00	\$111.00	\$115.00	\$141.00	\$111.00	\$118.00	\$240.00								
3. Project General and Project Common Tasks	72	43	0	0	11	7	0	7	0	0	0	4	0	72	\$14,822			\$205.86	\$4,941	\$4,941	\$4,941
3a. Post Design Services (Optional)	0	0	0	0	0	0	0	0	0	0	0	0	0			0	\$0	#DIV/0!			
4. Roadway Analysis	250	25	0	50	75	50	50	0	0	0	0	0	250	\$45,675			\$182.70	\$15,225	\$15,225	\$15,225	
5. Roadway Plans	242	12	12	36	48	46	44	44	0	0	0	0	242	\$41,000			\$169.42	\$13,667	\$13,667	\$13,667	
6a. Drainage Analysis	186	9	9	47	56	65	0	0	0	0	0	0	186	\$33,227			\$178.64	\$13,955	\$13,623	\$5,649	
6b. Drainage Plans	145	7	7	22	29	28	26	26	0	0	0	0	145	\$24,555			\$169.34	\$10,313	\$10,068	\$4,174	
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
8. Environmental Permits, Compliance & Clearances	64	6	3	13	10	7	6	0	19	0	0	0	64	\$11,123			\$173.80	\$5,562	\$5,562		
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	10	0	2	2	3	3	0	0	0	0	0	0	10	\$1,914			\$191.40	\$638	\$638	\$638	
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
18. Structures - Miscellaneous	80	2	2	16	24	11	25	0	0	0	0	0	80	\$14,633			\$182.91	\$4,878	\$4,878	\$4,878	
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
20. Signing & Pavement Marking Plans	36	2	2	5	7	8	6	6	0	0	0	0	36	\$6,086			\$169.06	\$2,029	\$2,029	\$2,029	
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!				
<b>Total Staff Hours</b>	1,085	106	37	191	263	225	157	83	19	0	0	4	0	1,085		0					
<b>Total Staff Cost</b>		\$26,394.00	\$10,360.00	\$42,784.00	\$49,444.00	\$25,650.00	\$26,533.00	\$9,213.00	\$2,185.00	\$0.00	\$0.00	\$472.00	\$0.00		\$193,035.00	\$0	\$0.00	\$177.91	\$71,207	\$70,629	\$51,200

Survey Field Days by Subconsultant  
 4 - Person Crew:

SALARY RELATED COSTS:			\$193,035.00	\$193,035
OVERHEAD:	0%		\$0.00	
OPERATING MARGIN:	0%		\$0.00	
FCCM (Facilities Capital Cost Money):	0.00%		\$0.00	
EXPENSES:	0.00%		\$0.00	
Survey (Field - if by Prime)	0	4-man crew		
	days @	\$	-	/ day
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>			\$193,035.00	
Subconsultant: Strayer	(Survey)		\$0.00	
Subconsultant: Universal	(Geotechnical)		\$0.00	
Subconsultant: Cumbey & Fair	(SUE locates and designates)		\$0.00	
Subconsultant: Weller	(Utility design)		\$3,460.00	\$1,153
Subconsultant: IF Rooks	(LAMP)		\$0.00	
Subconsultant: FTE	(Signals and Lighting)		\$8,795.00	
Subconsultant: FL Acquisition & Appraisal	(Appraisals)		\$0.00	
Subconsultant: Sub 8			\$0.00	
Subconsultant: Sub 9			\$0.00	
Subconsultant: Sub 10			\$0.00	
Subconsultant: Sub 11			\$0.00	
Subconsultant: Sub 12			\$0.00	
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>			\$205,290.00	\$72,359.94
Geotechnical Field and Lab Testing			\$0.00	
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>			\$205,290.00	
T&M Services: Weller for Post Design Services			\$0.00	
T&M Services: FL Acquisition & Appraisal (Acquisitions)			\$0.00	
T&M Services: American for Post Design Services			\$0.00	
T&M Services: American Government Services Corporation for Title Searches			\$0.00	
<b>SUBTOTAL ESTIMATED FEE (TIME AND MATERIALS, NOT TO EXCEED):</b>			\$0.00	
<b>GRAND TOTAL ESTIMATED FEE:</b>			\$205,290.00	

- Notes:  
 1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.  
 2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

Price Boulevard – SA No 2

January 30, 2018

## Fees for Signal Design at Salford, Cranberry and Chamberlain

Price Boulevard – SA No 2

January 30, 2018

Signal at Salford

Price Boulevard – SA No 2

January 26, 2018

Signal at Salford



ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Salford Signal  
 County: North Port  
 FPN:  
 FAP No.:

Consultant Name: American Consulting Professionals, LLC  
 Consultant No.: 5159774  
 Date: 1/26/2018  
 Estimator: Ryan Forrestel

Staff Classification	Total Staff Hours From "SH Summary -	Project Manager	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clerical	Sr. Surveyor	SH By Activity	Salary Cost By Activity	Optional SH By Activity	Optional Salary Cost By Activity	Average Rate Per Task
		\$249.00	\$280.00	\$224.00	\$188.00	\$114.00	\$169.00	\$111.00	\$115.00	\$141.00	\$111.00	\$118.00	\$240.00					
3. Project General and Project Common Tasks	88	53	0	0	13	9	0	9	0	0	0	4	0	88	\$18,138			\$206.11
3a. Post Design Services (Optional)	0	0	0	0	0	0	0	0	0	0	0	0	0			0	\$0	#DIV/0!
4. Roadway Analysis	128	13	0	26	37	26	26	0	0	0	0	0	0	128	\$23,375			\$182.62
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	3	0	1	1	1	0	0	0	0	0	0	0	0	3	\$692			\$230.67
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
18. Structures - Miscellaneous	28	1	1	6	8	3	9	0	0	0	0	0	0	28	\$5,240			\$187.14
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
20. Signing & Pavement Marking Plans	8	0	0	1	2	3	1	1	0	0	0	0	0	8	\$1,222			\$152.75
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
<b>Total Staff Hours</b>	255	67	2	34	61	41	36	10	0	0	0	4	0	255		0		
<b>Total Staff Cost</b>		\$16,683.00	\$560.00	\$7,616.00	\$11,468.00	\$4,674.00	\$6,084.00	\$1,110.00	\$0.00	\$0.00	\$0.00	\$472.00	\$0.00		\$48,667.00		\$0.00	\$190.85

Check = \$48,667.00

Survey Field Days by Subconsultant  
 4 - Person Crew:

SALARY RELATED COSTS:		\$48,667.00
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
Survey (Field - if by Prime)	0	\$0.00
4-man crew		
days @	\$ - / day	
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>		<b>\$48,667.00</b>
Subconsultant: Strayer	(Survey)	\$0.00
Subconsultant: Universal	(Geotechnical)	\$0.00
Subconsultant: Cumbey & Fair	(SUE locates and designates)	\$0.00
Subconsultant: Weller	(Utility design)	\$0.00
Subconsultant: IF Rooks	(LAMP)	\$0.00
Subconsultant: FTE	(Signals and Lighting)	\$17,073.00
Subconsultant: FL Acquisition & Appraisal	(Appraisals)	\$0.00
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>		<b>\$65,740.00</b>
Geotechnical Field and Lab Testing		\$0.00
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>		<b>\$65,740.00</b>
T&M Services Weller for Post Design Services		\$0.00
T&M Services FL Acquisition & Appraisal (Acquisitions)		\$0.00
T&M Services American for Post Design Services		\$0.00
T&M Services American Government Services Corporation for Title Searches		\$0.00
<b>SUBTOTAL ESTIMATED FEE (TIME AND MATERIALS, NOT TO EXCEED):</b>		<b>\$0.00</b>
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$65,740.00</b>

Notes:

- This sheet to be used by Prime Consultant to calculate the Grand Total fee.
- Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	
3.1.2	Notifications	LS	1	0	0	
3.1.3	Prepare Mailing Lists	LS	1	0	0	
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	0	0	
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation	LS	1	0	0	
3.1.9	Public Meeting Preparations	LS	1	0	0	
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	
3.1.11	Other Agency Meetings	LS	1	0	0	
3.1.12	Web Site	LS	1	0	0	
<b>3.1 Public Involvement Subtotal</b>					<b>0</b>	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications Package Preparation	LS	1	24	24	
3.4	Contract Maintenance and EDMS	LS	1	24	24	
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	24	24	
3.7	Plans Update	LS	1	0	0	
3.8	Post Design Services	LS	1	0	0	
3.9	Digital Delivery	LS	1	0	0	
3.10	Risk Assessment Workshop	LS	1	0	0	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.12	Other Project General Tasks	LS	1	16	16	Coordination with City Staff
<b>3. Project Common and Project General Tasks Total</b>					<b>88</b>	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	2	6	12	
Drainage	EA	1	6	6	
Utilities	EA	0	0	0	
Environmental	EA	1	6	6	
Structures	EA	0	0	0	
Signing & Pavement Marking	EA	0	0	0	
Signalization	EA	0	0	0	
Lighting	EA	0	0	0	
Landscape Architecture	EA	0	0	0	
Survey	EA	0	0	0	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Terrestrial Mobile LiDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	0	0	0	
Phase Reviews	EA	0	0	0	
Field Reviews	EA	0	0	0	
<b>Total Project Manager Meetings</b>		4		24	Total PM Meeting Hours carries to Task 3.6 above

- Notes:**
1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
  2. Do not double count agency meetings between permitting agencies.
  3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	N/A
4.2	Pavement Type Selection Report	LS	1	0	0	N/A
4.3	Pavement Design Package	LS	1	8	8	
4.4	Cross-Slope Correction	LS	1	0	0	N/A
4.5	Horizontal /Vertical Master Design Files	LS	1	0	0	
4.6	Access Management	LS	1	0	0	
4.7	Roundabout Evaluation	LS	1	0	0	N/A
4.8	Roundabout Final Design Analysis	LS	1	0	0	N/A
4.9	Cross Section Design Files	LS	1	0	0	
4.10	Traffic Control Analysis	LS	1	0	0	
4.11	Master TCP Design Files	LS	1	0	0	N/A
4.12	Design Variations and Exceptions	LS	1	0	0	N/A
4.13	Design Report	LS	1	0	0	N/A
4.14	Quantities	LS	1	0	0	
4.15	Cost Estimate	LS	1	0	0	
4.16	Technical Special Provisions	LS	1	0	0	N/A
4.17	Other Roadway Analyses	LS	1	80	80	Preliminary design of 5-lane section through the intersection to be able to mast arm pole locations and intersection elevations
<b>Roadway Analysis Technical Subtotal</b>					<b>88</b>	
4.18	Field Reviews	LS	1	8	8	
4.19	Protection of Existing Structures	LS	1	0	0	N/A
4.20	Technical Meetings	LS	1	18	18	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.21	Quality Assurance/Quality Control	LS	%	6%	5	
4.22	Independent Peer Review	LS	%	0%	0	
4.23	Supervision	LS	%	6%	5	
<b>Roadway Analysis Nontechnical Subtotal</b>					<b>36</b>	
4.24	Coordination	LS	%	3%	4	
<b>4. Roadway Analysis Total</b>					<b>128</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0		0
Pavement	EA	0	0	0		0
Access Management	EA	0	0	0		0
15% Line and Grade	EA	1	6	6	yes	1
Driveways	EA	0	0	0		0
Local Governments (cities, counties, MPO)	EA	2	6	12	yes	1
Work Zone Traffic Control	EA	0	6	0	yes	0
30/60/90/100% Comment Review Meetings	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>18</b>	<b>Subtotal Project Manager Meetings</b>	<b>2</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>18</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>2</b>

Carries to 4.17

Carries to Tab 3

Estimator:

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
<b>General Drawings</b>							
9.1	Key Sheet and Index of Drawings	Sheet	0	0	0	0	
9.2	Project Layout	Sheet	0	0	0	0	
9.3	General Notes and Bid Item Notes	Sheet	0	0	0	0	
9.4	Miscellaneous Common Details	Sheet	0	0	0	0	
9.5	Incorporate Report of Core Borings	Sheet	0	0	0	0	
9.6	Existing Bridge Plans	LS	1	0		0	
9.7	Assemble Plan Summary Boxes and Quantities	LS	1	0		0	
9.8	Cost Estimate	LS	1	0		0	
9.9	Technical Special Provisions	LS	1	0		0	
<b>Structures - Summary and Miscellaneous Tasks and Drawings Subtotal</b>					0	0	

Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16	Bridge 1	0	0	0	0	0	0	0	0		
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									
10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									

10-16	Bridge 10	0									
17	Retaining Walls	0								0	
18	Miscellaneous Structures	28									28
<b>Structures Technical Subtotal</b>		28	0	0	0	0	0	0	0	0	28
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments					
9.10	Field Reviews	LS	1	0	0						
9.11	Technical Meetings	LS	1	0	0	Meetings are listed below					
9.12	Quality Assurance/Quality Control	LS	%	7%	2						
9.13	Independent Peer Review	LS	1	0	0						
9.14	Supervision	LS	%	5%	1						
<b>Structures Nontechnical Subtotal</b>					3						
9.15	Coordination	LS	1	0	0						
<b>9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total</b>					3						

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0		0
90/100% Comment Review	EA	0	0	0		0
Aesthetics Coordination	EA	0	0	0		0
Regulatory Agency	EA	0	0	0		0
Local Governments (cities, counties)	EA	0	0	0		0
Utility Companies	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>0</b>		<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 9.11

Carries to Tab 3

Estimator:

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Concrete Box Culvert</b>							
18.1	Concrete Box Culverts	EA	0	0		0	
18.2	Concrete Box Culverts Extensions	EA Extension	0	0		0	
18.3	Concrete Box Culvert Data Table Plan Sheets	Sheet	0	0	0	0	
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Strain Poles</b>							
18.5	Steel Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.6	Concrete Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Mast Arms</b>							
18.9	Mast Arms	EA Design	4	6		24	
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	4	1	4	
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Overhead/Cantilever Sign Structures</b>							
18.12	Cantilever Sign Structures	EA Design	0	0		0	
18.13	Overhead Span Sign Structures	EA Design	0	0		0	
18.14	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0		0	
18.15	Monotube Overhead Sign Structure	EA Design	0	0		0	
18.16	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	0		0	
18.17	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	0	0	
18.18	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	0	0	
<b>High Mast Lighting</b>							
18.19	Non-Standard High Mast Lighting Structures	EA Design	0	0		0	
18.20	High Mast Lighting Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Noise Barrier Walls (Ground Mount)</b>							
18.21	Horizontal Wall Geometry	EA Wall	0	0		0	
18.22	Vertical Wall Geometry	EA Wall	0	0		0	
18.23	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	0	
18.24	Control Drawings	Sheet	0	0	0	0	
18.25	Design of Noise Barrier Walls Covered by Standards	EA Design	0	0		0	
18.26	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	0		0	
18.27	Aesthetic Details	LS	1	0		0	
<b>Special Structures</b>							
18.28	Fender System	LS	1	0		0	
18.29	Fender System Access	LS	1	0		0	



18.30	Special Structures	LS	1	0		0	
18.31	Other Structures	LS	1	0		0	Special Light Pole foundations (spread footing or smaller shafts)
<b>18. Structures - Miscellaneous Total</b>						<b>1</b>	<b>28</b>

Estimator:

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	0	0	0	0	
20.2	Summary of Pay Items Including TRNS•Port Input		LS	1	0		0	
20.3	Tabulation of Quantities		Sheet	1	0	1	0	
20.4	General Notes/Pay Item Notes		Sheet	0	0	0	0	
20.5	Project Layout		Sheet	0	0	0	0	
20.6	Plan Sheet	40	Sheet	8	1	8	8	
20.7	Typical Details		EA	0	0		0	
20.8	Guide Sign Worksheet(s)		EA	0	0		0	
20.9	Traffic Monitoring Site		EA	0	0		0	
20.10	Cross Sections		EA	0	0		0	
20.11	Special Service Point Details		EA	0	0		0	
20.12	Special Details		LS	1	0		0	
20.13	Interim Standards		LS	1	0		0	
<b>Signing and Pavement Marking Plans Technical Subtotal</b>						<b>9</b>	<b>8</b>	
20.14	Quality Assurance/Quality Control		LS	%	6%		0	
20.15	Supervision		LS	%	6%		0	
<b>20. Signing and Pavement Marking Plans Total</b>						<b>9</b>	<b>8</b>	

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd  
 County: North Port  
 FPN:  
 FAP No.:

Consultant Name: American Consulting Professionals, LLC  
 Consultant No.: enter consultants proj. number  
 Date: 1/26/2018  
 Estimator: FTE

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr Engineer	Project Engineer	Designer	Technician	Clerical	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$180.00	\$165.00	\$130.00	\$96.00	\$55.00	\$60.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	62	2	9	6	19	25	1	0	0	0	0	0	0	62	\$5,884	\$94.90
22. Signalization Plans	20	1	7	2	10	0	0	0	0	0	0	0	0	20	\$2,555	\$127.75
23. Lighting Analysis	48	1	12	7	27	0	1	0	0	0	0	0	0	48	\$5,722	\$119.21
24. Lighting Plans	23	1	8	2	12	0	0	0	0	0	0	0	0	23	\$2,912	\$126.61
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	153	5	36	17	68	25	2	0	0	0	0	0	0	153		
<b>Total Staff Cost</b>		\$900.00	\$5,940.00	\$2,210.00	\$6,528.00	\$1,375.00	\$120.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$17,073.00	\$111.59

Check = \$17,073.00

SALARY RELATED COSTS:		\$17,073.00
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$17,073.00</b>
Survey (Field)	0	\$0.00
Geotechnical Field and Lab Testing	4-man crew da	\$ - / day
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$17,073.00</b>
Optional Services		\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$17,073.00</b>

Notes:  
 1. This sheet to be used by Subconsultant to calculate its fee.

**Project Activity 21: Signalization Analysis**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	N/A
21.2	Traffic Data Analysis	PI	1	6	6	Ped and Vehicle clearances
21.3	Access Management	LS	1	0	0	N/A
21.4	System Timings	LS	1	0	0	N/A
21.5	Reference and Master Signalization Design File	PI	1	16	16	
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	N/A
21.7	Overhead Street Name Sign Design	EA	0	2	0	N/A
21.8	Pole Elevation Analysis	LS	1	0	0	N/A
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Quantities	LS	1	6	6	
21.11	Cost Estimate	LS	1	9	9	3 submittals
21.12	Technical Special Provisions	LS	1	0	0	N/A
21.13	Other Signalization Analysis	LS	1	6	6	TCP analysis
<b>Signalization Analysis Technical Subtotal</b>					<b>43</b>	
21.14	Field Reviews	LS	1	4	4	1 review x 2 people @ 4hrs
21.15	Technical Meetings	LS	1	7	7	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	7%	3	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	7%	3	
<b>Signalization Analysis Nontechnical Subtotal</b>					<b>17</b>	

**Project Activity 21: Signalization Analysis**

21.19	Coordination	LS	%	3%	2	
<b>21. Signalization Analysis Total</b>					<b>62</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	2	2	4		0
Railroads	EA	0	0	0		0
Other Meetings -	EA	1	3	3		0
<b>Subtotal Technical Meetings</b>				<b>7</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>7</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 21.15

Carries to Tab 3

**Project Activity 22: Signalization Plans**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	2	1	2	
22.2	Summary of Pay Items Including Designer Interface (TRNS•Port) Input		Sheet	0	0	0	0	N/A
22.3	Tabulation of Quantities		Sheet	1	4	1	4	
22.4	General Notes/Pay Item Notes		Sheet	1	4	1	4	
22.5	Plan Sheet		Sheet	1	4	1	4	
22.6	Interconnect Plans		Sheet	1	0	1	0	N/A
22.7	Traffic Monitoring Site		EA	0	0		0	N/A
22.8	Guide Sign Worksheet		EA	0	2		0	N/A
22.9	Special Details		Sheet	1	0	1	0	N/A
22.10	Special Service Point Details		EA	0	0		0	N/A
22.11	Mast Arm/Monotube Tabulation Sheet		PI	0	0		0	N/A
22.12	Strain Pole Schedule		PI	0	0		0	N/A
22.13	TCP Signal (Temporary)		EA	1	0		0	
22.14	Temporary Detection Sheet		PI	1	4		4	
22.15	Utility Conflict Sheet		Sheet	0	0	0	0	N/A
22.16	Interim Standards		LS	1	0		0	N/A
<b>Signalization Plans Technical Subtotal</b>						<b>6</b>	<b>18</b>	
22.17	Quality Assurance/Quality Control		LS	%	7%		1	
22.18	Supervision		LS	%	7%		1	
<b>22. Signalization Plans Total</b>						<b>6</b>	<b>20</b>	

**Project Activity 23: Lighting Analysis**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	1	0	0	N/A
23.2	Lighting Design Analysis Report	LS	1	8	8	1 alternative (pole height, wattage, arm length)
23.3	Aeronautical Evaluation	LS	1	0	0	N/A
23.4	Voltage Drop Calculations	LS	1	2	2	1 circuit x 2hrs/circuit x 1 load centers
23.5	FDEP Coordination and Report	LS	1	0	0	N/A
23.6	Reference and Master Design Files	LS	1	16	16	
23.7	Temporary Lighting	LS	1	0	0	N/A
23.8	Design Documentation	LS	1	4	4	Docs
23.9	Quantities	LS	1	2	2	1 sheet x 2hrs/sheet
23.10	Cost Estimate	LS	1	3	3	3 submittals x 1hrs/submittal
23.11	Technical Special Provisions	LS	1	0	0	N/A
23.12	Other Lighting Analysis	LS	1	0	0	N/A
<b>Lighting Analysis Technical Subtotal</b>					<b>35</b>	
23.13	Field Reviews	LS	1	4	4	1 reviews x 2 people @ 2hrs
23.14	Technical Meetings	LS	1	4	4	
23.15	Quality Assurance/Quality Control	LS	%	7%	2	
23.16	Independent Peer Review	LS	%	0%	0	
23.17	Supervision	LS	%	7%	2	
<b>Lighting Analysis Nontechnical Subtotal</b>					<b>12</b>	
23.18	Coordination	LS	%	3%	1	
<b>23. Lighting Analysis Total</b>					<b>48</b>	

**Project Activity 23: Lighting Analysis**

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	4	0		0
Maintaining Agency (cities, counties)	EA	1	4	4		0
Airport authority	EA	0	0	0		0
FDEP Lighting (coast areas)	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>4</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>4</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 23.14

Carries to Tab 3



**24. Lighting Plans**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet		Sheet	1	4	1	4	
24.2	Summary of Pay Items Including Designer Interface (TRNS•Port) Input		Sheet	0	0	0	0	N/A
24.3	Tabulation of Quantities		Sheet	1	4	1	4	12hrs 1st sheet + 6hrs/additional sheet
24.4	General Notes/Pay Item Notes		Sheet	1	6	1	6	
24.5	Pole Data, Legend and Criteria		Sheet	1	4	1	4	16hrs 1st sheet + 10hrs/additional sheet
24.6	Service Point Details		Sheet	1	0	1	0	N/A
24.7	Project Layout		Sheet	0	0	0	0	N/A
24.8	Plan Sheet		Sheet	1	3	1	3	Scale 1" = 40'
24.9	Special Details		Sheet	1	0	1	0	N/A
24.10	Temporary Lighting Data and Details		Sheet	0	0	0	0	N/A
24.11	Traffic Control Plan Sheets		Sheet	0	0	0	0	N/A
24.12	Interim Standards		LS	1	0		0	N/A
<b>Lighting Plans Technical Subtotal</b>						<b>7</b>	<b>21</b>	
24.13	Quality Assurance/Quality Control		LS	%	7%		1	
24.14	Supervision		LS	%	7%		1	
<b>24. Lighting Plans Total</b>						<b>7</b>	<b>23</b>	

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd  
 County: North Port  
 FPN:  
 FAP No.:

Consultant Name: American Consulting Professionals, LLC  
 Consultant No.: enter consultants proj. number  
 Date: 1/26/2018  
 Estimator: FTE

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr Engineer	Project Engineer	Designer	Technician	Clerical	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$180.00	\$165.00	\$130.00	\$96.00	\$55.00	\$60.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	62	2	9	6	19	25	1	0	0	0	0	0	0	62	\$5,884	\$94.90
22. Signalization Plans	20	1	7	2	10	0	0	0	0	0	0	0	0	20	\$2,555	\$127.75
23. Lighting Analysis	48	1	12	7	27	0	1	0	0	0	0	0	0	48	\$5,722	\$119.21
24. Lighting Plans	23	1	8	2	12	0	0	0	0	0	0	0	0	23	\$2,912	\$126.61
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	153	5	36	17	68	25	2	0	0	0	0	0	0	153		
<b>Total Staff Cost</b>		\$900.00	\$5,940.00	\$2,210.00	\$6,528.00	\$1,375.00	\$120.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$17,073.00	\$111.59

Check = \$17,073.00

SALARY RELATED COSTS:		\$17,073.00
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$17,073.00</b>
Survey (Field)	0	\$0.00
Geotechnical Field and Lab Testing	4-man crew da	\$ - / day
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$17,073.00</b>
Optional Services		\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$17,073.00</b>

Notes:  
 1. This sheet to be used by Subconsultant to calculate its fee.

**Project Activity 21: Signalization Analysis**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	N/A
21.2	Traffic Data Analysis	PI	1	6	6	Ped and Vehicle clearances
21.3	Access Management	LS	1	0	0	N/A
21.4	System Timings	LS	1	0	0	N/A
21.5	Reference and Master Signalization Design File	PI	1	16	16	
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	N/A
21.7	Overhead Street Name Sign Design	EA	0	2	0	N/A
21.8	Pole Elevation Analysis	LS	1	0	0	N/A
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Quantities	LS	1	6	6	
21.11	Cost Estimate	LS	1	9	9	3 submittals
21.12	Technical Special Provisions	LS	1	0	0	N/A
21.13	Other Signalization Analysis	LS	1	6	6	TCP analysis
<b>Signalization Analysis Technical Subtotal</b>					<b>43</b>	
21.14	Field Reviews	LS	1	4	4	1 review x 2 people @ 4hrs
21.15	Technical Meetings	LS	1	7	7	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	7%	3	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	7%	3	
<b>Signalization Analysis Nontechnical Subtotal</b>					<b>17</b>	

**Project Activity 21: Signalization Analysis**

21.19	Coordination	LS	%	3%	2	
<b>21. Signalization Analysis Total</b>					<b>62</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	2	2	4		0
Railroads	EA	0	0	0		0
Other Meetings -	EA	1	3	3		0
<b>Subtotal Technical Meetings</b>				<b>7</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>7</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 21.15

Carries to Tab 3

**Project Activity 22: Signalization Plans**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	2	1	2	
22.2	Summary of Pay Items Including Designer Interface (TRNS•Port) Input		Sheet	0	0	0	0	N/A
22.3	Tabulation of Quantities		Sheet	1	4	1	4	
22.4	General Notes/Pay Item Notes		Sheet	1	4	1	4	
22.5	Plan Sheet		Sheet	1	4	1	4	
22.6	Interconnect Plans		Sheet	1	0	1	0	N/A
22.7	Traffic Monitoring Site		EA	0	0		0	N/A
22.8	Guide Sign Worksheet		EA	0	2		0	N/A
22.9	Special Details		Sheet	1	0	1	0	N/A
22.10	Special Service Point Details		EA	0	0		0	N/A
22.11	Mast Arm/Monotube Tabulation Sheet		PI	0	0		0	N/A
22.12	Strain Pole Schedule		PI	0	0		0	N/A
22.13	TCP Signal (Temporary)		EA	1	0		0	
22.14	Temporary Detection Sheet		PI	1	4		4	
22.15	Utility Conflict Sheet		Sheet	0	0	0	0	N/A
22.16	Interim Standards		LS	1	0		0	N/A
<b>Signalization Plans Technical Subtotal</b>						<b>6</b>	<b>18</b>	
22.17	Quality Assurance/Quality Control		LS	%	7%		1	
22.18	Supervision		LS	%	7%		1	
<b>22. Signalization Plans Total</b>						<b>6</b>	<b>20</b>	

**Project Activity 23: Lighting Analysis**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	1	0	0	N/A
23.2	Lighting Design Analysis Report	LS	1	8	8	1 alternative (pole height, wattage, arm length)
23.3	Aeronautical Evaluation	LS	1	0	0	N/A
23.4	Voltage Drop Calculations	LS	1	2	2	1 circuit x 2hrs/circuit x 1 load centers
23.5	FDEP Coordination and Report	LS	1	0	0	N/A
23.6	Reference and Master Design Files	LS	1	16	16	
23.7	Temporary Lighting	LS	1	0	0	N/A
23.8	Design Documentation	LS	1	4	4	Docs
23.9	Quantities	LS	1	2	2	1 sheet x 2hrs/sheet
23.10	Cost Estimate	LS	1	3	3	3 submittals x 1hrs/submittal
23.11	Technical Special Provisions	LS	1	0	0	N/A
23.12	Other Lighting Analysis	LS	1	0	0	N/A
<b>Lighting Analysis Technical Subtotal</b>					<b>35</b>	
23.13	Field Reviews	LS	1	4	4	1 reviews x 2 people @ 2hrs
23.14	Technical Meetings	LS	1	4	4	
23.15	Quality Assurance/Quality Control	LS	%	7%	2	
23.16	Independent Peer Review	LS	%	0%	0	
23.17	Supervision	LS	%	7%	2	
<b>Lighting Analysis Nontechnical Subtotal</b>					<b>12</b>	
23.18	Coordination	LS	%	3%	1	
<b>23. Lighting Analysis Total</b>					<b>48</b>	

**Project Activity 23: Lighting Analysis**

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	4	0		0
Maintaining Agency (cities, counties)	EA	1	4	4		0
Airport authority	EA	0	0	0		0
FDEP Lighting (coast areas)	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>4</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>4</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 23.14

Carries to Tab 3

**24. Lighting Plans**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet		Sheet	1	4	1	4	
24.2	Summary of Pay Items Including Designer Interface (TRNS•Port) Input		Sheet	0	0	0	0	N/A
24.3	Tabulation of Quantities		Sheet	1	4	1	4	12hrs 1st sheet + 6hrs/additional sheet
24.4	General Notes/Pay Item Notes		Sheet	1	6	1	6	
24.5	Pole Data, Legend and Criteria		Sheet	1	4	1	4	16hrs 1st sheet + 10hrs/additional sheet
24.6	Service Point Details		Sheet	1	0	1	0	N/A
24.7	Project Layout		Sheet	0	0	0	0	N/A
24.8	Plan Sheet		Sheet	1	3	1	3	Scale 1" = 40'
24.9	Special Details		Sheet	1	0	1	0	N/A
24.10	Temporary Lighting Data and Details		Sheet	0	0	0	0	N/A
24.11	Traffic Control Plan Sheets		Sheet	0	0	0	0	N/A
24.12	Interim Standards		LS	1	0		0	N/A
<b>Lighting Plans Technical Subtotal</b>						<b>7</b>	<b>21</b>	
24.13	Quality Assurance/Quality Control		LS	%	7%		1	
24.14	Supervision		LS	%	7%		1	
<b>24. Lighting Plans Total</b>						<b>7</b>	<b>23</b>	



Price Boulevard – SA No 2

January 30, 2018

Signal at Cranberry

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Cranberry Signal  
 County: North Port  
 FPN:  
 FAP No.:

Consultant Name: American Consulting Professionals, LLC  
 Consultant No.: 5159774  
 Date: 1/30/2018  
 Estimator: Ryan Forrestel

Staff Classification	Total Staff Hours From "SH Summary -	Project Manager	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clerical	Sr. Surveyor	SH By Activity	Salary Cost By Activity	Optional SH By Activity	Optional Salary Cost By Activity	Average Rate Per Task
		\$249.00	\$280.00	\$224.00	\$188.00	\$114.00	\$169.00	\$111.00	\$115.00	\$141.00	\$111.00	\$118.00	\$240.00					
3. Project General and Project Common Tasks	8	5	0	0	1	1	0	1	0	0	0	0	0	8	\$1,658			\$207.25
3a. Post Design Services (Optional)	0	0	0	0	0	0	0	0	0	0	0	0	0			0	\$0	#DIV/0!
4. Roadway Analysis	107	11	0	21	33	21	21	0	0	0	0	0	107	\$19,590		\$0	\$183.08	
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	3	0	1	1	1	0	0	0	0	0	0	0	3	\$692			\$230.67	
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
18. Structures - Miscellaneous	28	1	1	6	8	3	9	0	0	0	0	0	28	\$5,240			\$187.14	
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
20. Signing & Pavement Marking Plans	8	0	0	1	2	3	1	1	0	0	0	0	8	\$1,222			\$152.75	
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			\$0	
<b>Total Staff Hours</b>	154	17	2	29	45	28	31	2	0	0	0	0	154			0		
<b>Total Staff Cost</b>		\$4,233.00	\$560.00	\$6,496.00	\$8,460.00	\$3,192.00	\$5,239.00	\$222.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$28,402.00		\$0.00	\$184.43

Survey Field Days by Subconsultant  
 4 - Person Crew:

SALARY RELATED COSTS:		\$28,402.00
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
Survey (Field - if by Prime)	0 4-man crew days @	\$ - / day
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>		<b>\$28,402.00</b>
Subconsultant: Strayer	(Survey)	\$0.00
Subconsultant: Universal	(Geotechnical)	\$0.00
Subconsultant: Cumbey & Fair	(SUE locates and designates)	\$0.00
Subconsultant: Weller	(Utility design)	\$0.00
Subconsultant: IF Rooks	(LAMP)	\$0.00
Subconsultant: FTE	(Signals and Lighting)	\$17,073.00
Subconsultant: FL Acquisition & Appraisal	(Appraisals)	\$0.00
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>		<b>\$45,475.00</b>
Geotechnical Field and Lab Testing		\$0.00
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>		<b>\$45,475.00</b>
T&M Services Weller for Post Design Services		\$0.00
T&M Services FL Acquisition & Appraisal (Acquisitions)		\$0.00
T&M Services American for Post Design Services		\$0.00
T&M Services American Government Services Corporation for Title Searches		\$0.00
<b>SUBTOTAL ESTIMATED FEE (TIME AND MATERIALS, NOT TO EXCEED):</b>		<b>\$0.00</b>
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$45,475.00</b>

Check = \$28,402.00

- Notes:  
 1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.  
 2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	
3.1.2	Notifications	LS	1	0	0	
3.1.3	Prepare Mailing Lists	LS	1	0	0	
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	0	0	
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation	LS	1	0	0	
3.1.9	Public Meeting Preparations	LS	1	0	0	
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	
3.1.11	Other Agency Meetings	LS	1	0	0	
3.1.12	Web Site	LS	1	0	0	
<b>3.1 Public Involvement Subtotal</b>					<b>0</b>	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications Package Preparation	LS	1	0	0	Included in Salford
3.4	Contract Maintenance and EDMS	LS	1	0	0	Included in Salford
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	0	0	
3.7	Plans Update	LS	1	0	0	
3.8	Post Design Services	LS	1	0	0	
3.9	Digital Delivery	LS	1	0	0	
3.10	Risk Assessment Workshop	LS	1	0	0	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.12	Other Project General Tasks	LS	1	8	8	Coordination with City Staff
<b>3. Project Common and Project General Tasks Total</b>					<b>8</b>	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	0	6	0	Included in Salford
Drainage	EA	0	6	0	Included in Salford
Utilities	EA	0	0	0	
Environmental	EA	0	6	0	Included in Salford
Structures	EA	0	0	0	
Signing & Pavement Marking	EA	0	0	0	
Signalization	EA	0	0	0	
Lighting	EA	0	0	0	
Landscape Architecture	EA	0	0	0	
Survey	EA	0	0	0	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Terrestrial Mobile LiDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	0	0	0	
Phase Reviews	EA	0	0	0	
Field Reviews	EA	0	0	0	
<b>Total Project Manager Meetings</b>		0		0	Total PM Meeting Hours carries to Task 3.6 above

- Notes:**
1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
  2. Do not double count agency meetings between permitting agencies.
  3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	N/A
4.2	Pavement Type Selection Report	LS	1	0	0	N/A
4.3	Pavement Design Package	LS	1	0	0	N/A
4.4	Cross-Slope Correction	LS	1	0	0	N/A
4.5	Horizontal /Vertical Master Design Files	LS	1	0	0	
4.6	Access Management	LS	1	0	0	
4.7	Roundabout Evaluation	LS	1	0	0	N/A
4.8	Roundabout Final Design Analysis	LS	1	0	0	N/A
4.9	Cross Section Design Files	LS	1	0	0	
4.10	Traffic Control Analysis	LS	1	0	0	
4.11	Master TCP Design Files	LS	1	0	0	N/A
4.12	Design Variations and Exceptions	LS	1	0	0	N/A
4.13	Design Report	LS	1	0	0	N/A
4.14	Quantities	LS	1	0	0	
4.15	Cost Estimate	LS	1	0	0	
4.16	Technical Special Provisions	LS	1	0	0	N/A
4.17	Other Roadway Analyses	LS	1	80	80	Preliminary design of 5-lane section through the intersection to be able to mast arm pole locations and intersection elevations
<b>Roadway Analysis Technical Subtotal</b>					<b>80</b>	
4.18	Field Reviews	LS	1	8	8	
4.19	Protection of Existing Structures	LS	1	0	0	N/A
4.20	Technical Meetings	LS	1	6	6	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.21	Quality Assurance/Quality Control	LS	%	6%	5	
4.22	Independent Peer Review	LS	%	0%	0	
4.23	Supervision	LS	%	6%	5	
<b>Roadway Analysis Nontechnical Subtotal</b>					<b>24</b>	
4.24	Coordination	LS	%	3%	3	
<b>4. Roadway Analysis Total</b>					<b>107</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0		0
Pavement	EA	0	0	0		0
Access Management	EA	0	0	0		0
15% Line and Grade	EA	1	6	6	yes	1
Driveways	EA	0	0	0		0
Local Governments (cities, counties, MPO)	EA	0	6	0	yes	1
Work Zone Traffic Control	EA	0	6	0	yes	0
30/60/90/100% Comment Review Meetings	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>6</b>	<b>Subtotal Project Manager Meetings</b>	<b>2</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>6</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>2</b>

Carries to 4.17

Carries to Tab 3

Estimator:

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments					
			No. of Units	Hours per Unit	No. of Sheets	Total						
<b>General Drawings</b>												
9.1	Key Sheet and Index of Drawings	Sheet	0	0	0	0						
9.2	Project Layout	Sheet	0	0	0	0						
9.3	General Notes and Bid Item Notes	Sheet	0	0	0	0						
9.4	Miscellaneous Common Details	Sheet	0	0	0	0						
9.5	Incorporate Report of Core Borings	Sheet	0	0	0	0						
9.6	Existing Bridge Plans	LS	1	0		0						
9.7	Assemble Plan Summary Boxes and Quantities	LS	1	0		0						
9.8	Cost Estimate	LS	1	0		0						
9.9	Technical Special Provisions	LS	1	0		0						
<b>Structures - Summary and Miscellaneous Tasks and Drawings Subtotal</b>					0	0						
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18	
10-16	Bridge 1	0	0	0	0	0	0	0	0			
10-16	Bridge 2	0										
10-16	Bridge 3	0										
10-16	Bridge 4	0										
10-16	Bridge 5	0										
10-16	Bridge 6	0										
10-16	Bridge 7	0										
10-16	Bridge 8	0										
10-16	Bridge 9	0										

10-16	Bridge 10	0									
17	Retaining Walls	0								0	
18	Miscellaneous Structures	28									28
<b>Structures Technical Subtotal</b>		28	0	0	0	0	0	0	0	0	28
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments					
9.10	Field Reviews	LS	1	0	0						
9.11	Technical Meetings	LS	1	0	0	Meetings are listed below					
9.12	Quality Assurance/Quality Control	LS	%	7%	2						
9.13	Independent Peer Review	LS	1	0	0						
9.14	Supervision	LS	%	5%	1						
<b>Structures Nontechnical Subtotal</b>					3						
9.15	Coordination	LS	1	0	0						
<b>9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total</b>					3						

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0		0
90/100% Comment Review	EA	0	0	0		0
Aesthetics Coordination	EA	0	0	0		0
Regulatory Agency	EA	0	0	0		0
Local Governments (cities, counties)	EA	0	0	0		0
Utility Companies	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>0</b>		<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 9.11

Carries to Tab 3



Estimator:

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Concrete Box Culvert</b>							
18.1	Concrete Box Culverts	EA	0	0		0	
18.2	Concrete Box Culverts Extensions	EA Extension	0	0		0	
18.3	Concrete Box Culvert Data Table Plan Sheets	Sheet	0	0	0	0	
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Strain Poles</b>							
18.5	Steel Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.6	Concrete Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Mast Arms</b>							
18.9	Mast Arms	EA Design	4	6		24	
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	4	1	4	
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Overhead/Cantilever Sign Structures</b>							
18.12	Cantilever Sign Structures	EA Design	0	0		0	
18.13	Overhead Span Sign Structures	EA Design	0	0		0	
18.14	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0		0	
18.15	Monotube Overhead Sign Structure	EA Design	0	0		0	
18.16	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	0		0	
18.17	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	0	0	
18.18	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	0	0	
<b>High Mast Lighting</b>							
18.19	Non-Standard High Mast Lighting Structures	EA Design	0	0		0	
18.20	High Mast Lighting Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Noise Barrier Walls (Ground Mount)</b>							
18.21	Horizontal Wall Geometry	EA Wall	0	0		0	
18.22	Vertical Wall Geometry	EA Wall	0	0		0	
18.23	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	0	
18.24	Control Drawings	Sheet	0	0	0	0	
18.25	Design of Noise Barrier Walls Covered by Standards	EA Design	0	0		0	
18.26	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	0		0	
18.27	Aesthetic Details	LS	1	0		0	
<b>Special Structures</b>							
18.28	Fender System	LS	1	0		0	
18.29	Fender System Access	LS	1	0		0	

18.30	Special Structures	LS	1	0		0	
18.31	Other Structures	LS	1	0		0	Special Light Pole foundations (spread footing or smaller shafts)
<b>18. Structures - Miscellaneous Total</b>						<b>1</b>	<b>28</b>

Estimator:

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	0	0	0	0	
20.2	Summary of Pay Items Including TRNS•Port Input		LS	1	0		0	
20.3	Tabulation of Quantities		Sheet	1	0	1	0	
20.4	General Notes/Pay Item Notes		Sheet	0	0	0	0	
20.5	Project Layout		Sheet	0	0	0	0	
20.6	Plan Sheet	40	Sheet	8	1	8	8	
20.7	Typical Details		EA	0	0		0	
20.8	Guide Sign Worksheet(s)		EA	0	0		0	
20.9	Traffic Monitoring Site		EA	0	0		0	
20.10	Cross Sections		EA	0	0		0	
20.11	Special Service Point Details		EA	0	0		0	
20.12	Special Details		LS	1	0		0	
20.13	Interim Standards		LS	1	0		0	
<b>Signing and Pavement Marking Plans Technical Subtotal</b>						<b>9</b>	<b>8</b>	
20.14	Quality Assurance/Quality Control		LS	%	6%		0	
20.15	Supervision		LS	%	6%		0	
<b>20. Signing and Pavement Marking Plans Total</b>						<b>9</b>	<b>8</b>	

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 Cranberry Signal  
 County: North Port  
 FPN:  
 FAP No.:

Consultant Name: American Consulting Professionals, LLC  
 Consultant No.: enter consultants proj. number  
 Date: 1/30/2018  
 Estimator: FTE

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr Engineer	Project Engineer	Designer	Technician	Clerical	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$180.00	\$165.00	\$130.00	\$96.00	\$55.00	\$60.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	62	2	9	6	19	25	1	0	0	0	0	0	0	62	\$5,884	\$94.90
22. Signalization Plans	20	1	7	2	10	0	0	0	0	0	0	0	0	20	\$2,555	\$127.75
23. Lighting Analysis	48	1	12	7	27	0	1	0	0	0	0	0	0	48	\$5,722	\$119.21
24. Lighting Plans	23	1	8	2	12	0	0	0	0	0	0	0	0	23	\$2,912	\$126.61
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	153	5	36	17	68	25	2	0	0	0	0	0	0	153		
<b>Total Staff Cost</b>		\$900.00	\$5,940.00	\$2,210.00	\$6,528.00	\$1,375.00	\$120.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		<b>\$17,073.00</b>	<b>\$111.59</b>

Check = \$17,073.00

SALARY RELATED COSTS:		\$17,073.00
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$17,073.00</b>
Survey (Field)	0	\$0.00
Geotechnical Field and Lab Testing	4-man crew da	\$ - / day
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$17,073.00</b>
Optional Services		\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$17,073.00</b>

Notes:  
 1. This sheet to be used by Subconsultant to calculate its fee.

**Project Activity 21: Signalization Analysis**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 Cranberry Signal

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	N/A
21.2	Traffic Data Analysis	PI	1	6	6	Ped and Vehicle clearances
21.3	Access Management	LS	1	0	0	N/A
21.4	System Timings	LS	1	0	0	N/A
21.5	Reference and Master Signalization Design File	PI	1	16	16	Cranberry Intersection
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	N/A
21.7	Overhead Street Name Sign Design	EA	0	2	0	N/A
21.8	Pole Elevation Analysis	LS	1	0	0	N/A
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Quantities	LS	1	6	6	
21.11	Cost Estimate	LS	1	9	9	3 submittals
21.12	Technical Special Provisions	LS	1	0	0	N/A
21.13	Other Signalization Analysis	LS	1	6	6	TCP analysis
<b>Signalization Analysis Technical Subtotal</b>					<b>43</b>	
21.14	Field Reviews	LS	1	4	4	1 review x 2 people @ 4hrs
21.15	Technical Meetings	LS	1	7	7	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	7%	3	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	7%	3	
<b>Signalization Analysis Nontechnical Subtotal</b>					<b>17</b>	

**Project Activity 21: Signalization Analysis**

21.19	Coordination	LS	%	3%	2	
<b>21. Signalization Analysis Total</b>					<b>62</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	2	2	4		0
Railroads	EA	0	0	0		0
Other Meetings -	EA	1	3	3		0
<b>Subtotal Technical Meetings</b>				<b>7</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>7</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 21.15

Carries to Tab 3

**Project Activity 22: Signalization Plans**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 Cranberry Signal

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	2	1	2	
22.2	Summary of Pay Items Including Designer Interface (TRNS•Port) Input		Sheet	0	0	0	0	N/A
22.3	Tabulation of Quantities		Sheet	1	4	1	4	
22.4	General Notes/Pay Item Notes		Sheet	1	4	1	4	
22.5	Plan Sheet		Sheet	1	4	1	4	Cranberry Intersection
22.6	Interconnect Plans		Sheet	1	0	1	0	N/A
22.7	Traffic Monitoring Site		EA	0	0		0	N/A
22.8	Guide Sign Worksheet		EA	0	2		0	N/A
22.9	Special Details		Sheet	1	0	1	0	N/A
22.10	Special Service Point Details		EA	0	0		0	N/A
22.11	Mast Arm/Monotube Tabulation Sheet		PI	0	0		0	N/A
22.12	Strain Pole Schedule		PI	0	0		0	N/A
22.13	TCP Signal (Temporary)		EA	1	0		0	
22.14	Temporary Detection Sheet		PI	1	4		4	
22.15	Utility Conflict Sheet		Sheet	0	0	0	0	N/A
22.16	Interim Standards		LS	1	0		0	N/A
<b>Signalization Plans Technical Subtotal</b>						<b>6</b>	<b>18</b>	
22.17	Quality Assurance/Quality Control		LS	%	7%		1	
22.18	Supervision		LS	%	7%		1	
<b>22. Signalization Plans Total</b>						<b>6</b>	<b>20</b>	

**Project Activity 23: Lighting Analysis**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 Cranberry Signal

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	1	0	0	N/A
23.2	Lighting Design Analysis Report	LS	1	8	8	1 alternative (pole height, wattage, arm length)
23.3	Aeronautical Evaluation	LS	1	0	0	N/A
23.4	Voltage Drop Calculations	LS	1	2	2	1 circuit x 2hrs/circuit x 1 load centers
23.5	FDEP Coordination and Report	LS	1	0	0	N/A
23.6	Reference and Master Design Files	LS	1	16	16	Cranberry Intersection
23.7	Temporary Lighting	LS	1	0	0	N/A
23.8	Design Documentation	LS	1	4	4	Docs
23.9	Quantities	LS	1	2	2	1 sheet x 2hrs/sheet
23.10	Cost Estimate	LS	1	3	3	3 submittals x 1hrs/submittal
23.11	Technical Special Provisions	LS	1	0	0	N/A
23.12	Other Lighting Analysis	LS	1	0	0	N/A
<b>Lighting Analysis Technical Subtotal</b>					<b>35</b>	
23.13	Field Reviews	LS	1	4	4	1 reviews x 2 people @ 2hrs
23.14	Technical Meetings	LS	1	4	4	
23.15	Quality Assurance/Quality Control	LS	%	7%	2	
23.16	Independent Peer Review	LS	%	0%	0	
23.17	Supervision	LS	%	7%	2	
<b>Lighting Analysis Nontechnical Subtotal</b>					<b>12</b>	
23.18	Coordination	LS	%	3%	1	
<b>23. Lighting Analysis Total</b>					<b>48</b>	



**Project Activity 23: Lighting Analysis**

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	4	0		0
Maintaining Agency (cities, counties)	EA	1	4	4		0
Airport authority	EA	0	0	0		0
FDEP Lighting (coast areas)	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>4</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>4</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 23.14

Carries to Tab 3

**24. Lighting Plans**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 Cranberry Signal

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet		Sheet	1	4	1	4	
24.2	Summary of Pay Items Including Designer Interface (TRNS•Port) Input		Sheet	0	0	0	0	N/A
24.3	Tabulation of Quantities		Sheet	1	4	1	4	12hrs 1st sheet + 6hrs/additional sheet
24.4	General Notes/Pay Item Notes		Sheet	1	6	1	6	
24.5	Pole Data, Legend and Criteria		Sheet	1	4	1	4	16hrs 1st sheet + 10hrs/additional sheet
24.6	Service Point Details		Sheet	1	0	1	0	N/A
24.7	Project Layout		Sheet	0	0	0	0	N/A
24.8	Plan Sheet		Sheet	1	3	1	3	Scale 1" = 40' Cranberry Intersection
24.9	Special Details		Sheet	1	0	1	0	N/A
24.10	Temporary Lighting Data and Details		Sheet	0	0	0	0	N/A
24.11	Traffic Control Plan Sheets		Sheet	0	0	0	0	N/A
24.12	Interim Standards		LS	1	0		0	N/A
<b>Lighting Plans Technical Subtotal</b>						<b>7</b>	<b>21</b>	
24.13	Quality Assurance/Quality Control		LS	%	7%		1	
24.14	Supervision		LS	%	7%		1	
<b>24. Lighting Plans Total</b>						<b>7</b>	<b>23</b>	

Price Boulevard – SA No 2

January 30, 2018

Signal at Chamberlain

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Chamberlain Signal  
 County: North Port  
 FPN:  
 FAP No.:

Consultant Name: American Consulting Professionals, LLC  
 Consultant No.: 5159774  
 Date: 1/30/2018  
 Estimator: Ryan Forrestel

Staff Classification	Total Staff Hours From "SH Summary -	Project Manager	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clerical	Sr. Surveyor	SH By Activity	Salary Cost By Activity	Optional SH By Activity	Optional Salary Cost By Activity	Average Rate Per Task
		\$249.00	\$280.00	\$224.00	\$188.00	\$114.00	\$169.00	\$111.00	\$115.00	\$141.00	\$111.00	\$118.00	\$240.00					
3. Project General and Project Common Tasks	8	5	0	0	1	1	0	1	0	0	0	0	0	8	\$1,658			\$207.25
3a. Post Design Services (Optional)	0	0	0	0	0	0	0	0	0	0	0	0	0			0	\$0	#DIV/0!
4. Roadway Analysis	107	11	0	21	33	21	21	0	0	0	0	0	0	107	\$19,590		\$0	\$183.08
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	3	0	1	1	1	0	0	0	0	0	0	0	0	3	\$692			\$230.67
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
18. Structures - Miscellaneous	28	1	1	6	8	3	9	0	0	0	0	0	0	28	\$5,240			\$187.14
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
20. Signing & Pavement Marking Plans	8	0	0	1	2	3	1	1	0	0	0	0	0	8	\$1,222			\$152.75
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
<b>Total Staff Hours</b>	154	17	2	29	45	28	31	2	0	0	0	0	0	154		0		
<b>Total Staff Cost</b>		\$4,233.00	\$560.00	\$6,496.00	\$8,460.00	\$3,192.00	\$5,239.00	\$222.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$28,402.00		\$0.00	\$184.43

Survey Field Days by Subconsultant  
 4 - Person Crew:

SALARY RELATED COSTS:		\$28,402.00
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
Survey (Field - if by Prime)	0 4-man crew days @	\$ - / day
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>		<b>\$28,402.00</b>
Subconsultant: Strayer	(Survey)	\$0.00
Subconsultant: Universal	(Geotechnical)	\$0.00
Subconsultant: Cumbey & Fair	(SUE locates and designates)	\$0.00
Subconsultant: Weller	(Utility design)	\$0.00
Subconsultant: IF Rooks	(LAMP)	\$0.00
Subconsultant: FTE	(Signals and Lighting)	\$17,073.00
Subconsultant: FL Acquisition & Appraisal	(Appraisals)	\$0.00
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>		<b>\$45,475.00</b>
Geotechnical Field and Lab Testing		\$0.00
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>		<b>\$45,475.00</b>
T&M Services Weller for Post Design Services		\$0.00
T&M Services FL Acquisition & Appraisal (Acquisitions)		\$0.00
T&M Services American for Post Design Services		\$0.00
T&M Services American Government Services Corporation for Title Searches		\$0.00
<b>SUBTOTAL ESTIMATED FEE (TIME AND MATERIALS, NOT TO EXCEED):</b>		<b>\$0.00</b>
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$45,475.00</b>

Check = \$28,402.00

- Notes:  
 1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.  
 2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	
3.1.2	Notifications	LS	1	0	0	
3.1.3	Prepare Mailing Lists	LS	1	0	0	
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	0	0	
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation	LS	1	0	0	
3.1.9	Public Meeting Preparations	LS	1	0	0	
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	
3.1.11	Other Agency Meetings	LS	1	0	0	
3.1.12	Web Site	LS	1	0	0	
<b>3.1 Public Involvement Subtotal</b>					<b>0</b>	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications Package Preparation	LS	1	0	0	Included in Salford
3.4	Contract Maintenance and EDMS	LS	1	0	0	Included in Salford
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	0	0	
3.7	Plans Update	LS	1	0	0	
3.8	Post Design Services	LS	1	0	0	
3.9	Digital Delivery	LS	1	0	0	
3.10	Risk Assessment Workshop	LS	1	0	0	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.12	Other Project General Tasks	LS	1	8	8	Coordination with City Staff
<b>3. Project Common and Project General Tasks Total</b>					<b>8</b>	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	0	6	0	Included in Salford
Drainage	EA	0	6	0	Included in Salford
Utilities	EA	0	0	0	
Environmental	EA	0	6	0	Included in Salford
Structures	EA	0	0	0	
Signing & Pavement Marking	EA	0	0	0	
Signalization	EA	0	0	0	
Lighting	EA	0	0	0	
Landscape Architecture	EA	0	0	0	
Survey	EA	0	0	0	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Terrestrial Mobile LiDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	0	0	0	
Phase Reviews	EA	0	0	0	
Field Reviews	EA	0	0	0	
<b>Total Project Manager Meetings</b>		0		0	Total PM Meeting Hours carries to Task 3.6 above

- Notes:**
1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
  2. Do not double count agency meetings between permitting agencies.
  3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	N/A
4.2	Pavement Type Selection Report	LS	1	0	0	N/A
4.3	Pavement Design Package	LS	1	0	0	N/A
4.4	Cross-Slope Correction	LS	1	0	0	N/A
4.5	Horizontal /Vertical Master Design Files	LS	1	0	0	
4.6	Access Management	LS	1	0	0	
4.7	Roundabout Evaluation	LS	1	0	0	N/A
4.8	Roundabout Final Design Analysis	LS	1	0	0	N/A
4.9	Cross Section Design Files	LS	1	0	0	
4.10	Traffic Control Analysis	LS	1	0	0	
4.11	Master TCP Design Files	LS	1	0	0	N/A
4.12	Design Variations and Exceptions	LS	1	0	0	N/A
4.13	Design Report	LS	1	0	0	N/A
4.14	Quantities	LS	1	0	0	
4.15	Cost Estimate	LS	1	0	0	
4.16	Technical Special Provisions	LS	1	0	0	N/A
4.17	Other Roadway Analyses	LS	1	80	80	Preliminary design of 5-lane section through the intersection to be able to mast arm pole locations and intersection elevations
<b>Roadway Analysis Technical Subtotal</b>					<b>80</b>	
4.18	Field Reviews	LS	1	8	8	
4.19	Protection of Existing Structures	LS	1	0	0	N/A
4.20	Technical Meetings	LS	1	6	6	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.21	Quality Assurance/Quality Control	LS	%	6%	5	
4.22	Independent Peer Review	LS	%	0%	0	
4.23	Supervision	LS	%	6%	5	
<b>Roadway Analysis Nontechnical Subtotal</b>					<b>24</b>	
4.24	Coordination	LS	%	3%	3	
<b>4. Roadway Analysis Total</b>					<b>107</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number	
Typical Section	EA	0	0	0		0	
Pavement	EA	0	0	0		0	
Access Management	EA	0	0	0		0	
15% Line and Grade	EA	1	6	6	yes	1	
Driveways	EA	0	0	0		0	
Local Governments (cities, counties, MPO)	EA	0	6	0	yes	1	
Work Zone Traffic Control	EA	0	6	0	yes	0	
30/60/90/100% Comment Review Meetings	EA	0	0	0		0	
Other Meetings	EA	0	0	0		0	
<b>Subtotal Technical Meetings</b>				<b>6</b>		<b>Subtotal Project Manager Meetings</b>	<b>2</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--	
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--	
<b>Total Meetings</b>				<b>6</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>2</b>	

Carries to 4.17

Carries to Tab 3



Estimator:

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments					
			No. of Units	Hours per Unit	No. of Sheets	Total						
<b>General Drawings</b>												
9.1	Key Sheet and Index of Drawings	Sheet	0	0	0	0						
9.2	Project Layout	Sheet	0	0	0	0						
9.3	General Notes and Bid Item Notes	Sheet	0	0	0	0						
9.4	Miscellaneous Common Details	Sheet	0	0	0	0						
9.5	Incorporate Report of Core Borings	Sheet	0	0	0	0						
9.6	Existing Bridge Plans	LS	1	0		0						
9.7	Assemble Plan Summary Boxes and Quantities	LS	1	0		0						
9.8	Cost Estimate	LS	1	0		0						
9.9	Technical Special Provisions	LS	1	0		0						
<b>Structures - Summary and Miscellaneous Tasks and Drawings Subtotal</b>						0	0					
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18	
10-16	Bridge 1	0	0	0	0	0	0	0	0			
10-16	Bridge 2	0										
10-16	Bridge 3	0										
10-16	Bridge 4	0										
10-16	Bridge 5	0										
10-16	Bridge 6	0										
10-16	Bridge 7	0										
10-16	Bridge 8	0										
10-16	Bridge 9	0										

10-16	Bridge 10	0									
17	Retaining Walls	0								0	
18	Miscellaneous Structures	28									28
<b>Structures Technical Subtotal</b>		28	0	0	0	0	0	0	0	0	28
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments					
9.10	Field Reviews	LS	1	0	0						
9.11	Technical Meetings	LS	1	0	0	Meetings are listed below					
9.12	Quality Assurance/Quality Control	LS	%	7%	2						
9.13	Independent Peer Review	LS	1	0	0						
9.14	Supervision	LS	%	5%	1						
<b>Structures Nontechnical Subtotal</b>					3						
9.15	Coordination	LS	1	0	0						
<b>9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total</b>					3						

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0		0
90/100% Comment Review	EA	0	0	0		0
Aesthetics Coordination	EA	0	0	0		0
Regulatory Agency	EA	0	0	0		0
Local Governments (cities, counties)	EA	0	0	0		0
Utility Companies	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>0</b>		<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 9.11

Carries to Tab 3

Estimator:

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Concrete Box Culvert</b>							
18.1	Concrete Box Culverts	EA	0	0		0	
18.2	Concrete Box Culverts Extensions	EA Extension	0	0		0	
18.3	Concrete Box Culvert Data Table Plan Sheets	Sheet	0	0	0	0	
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Strain Poles</b>							
18.5	Steel Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.6	Concrete Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Mast Arms</b>							
18.9	Mast Arms	EA Design	4	6		24	
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	4	1	4	
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Overhead/Cantilever Sign Structures</b>							
18.12	Cantilever Sign Structures	EA Design	0	0		0	
18.13	Overhead Span Sign Structures	EA Design	0	0		0	
18.14	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0		0	
18.15	Monotube Overhead Sign Structure	EA Design	0	0		0	
18.16	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	0		0	
18.17	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	0	0	
18.18	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	0	0	
<b>High Mast Lighting</b>							
18.19	Non-Standard High Mast Lighting Structures	EA Design	0	0		0	
18.20	High Mast Lighting Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Noise Barrier Walls (Ground Mount)</b>							
18.21	Horizontal Wall Geometry	EA Wall	0	0		0	
18.22	Vertical Wall Geometry	EA Wall	0	0		0	
18.23	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	0	
18.24	Control Drawings	Sheet	0	0	0	0	
18.25	Design of Noise Barrier Walls Covered by Standards	EA Design	0	0		0	
18.26	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	0		0	
18.27	Aesthetic Details	LS	1	0		0	
<b>Special Structures</b>							
18.28	Fender System	LS	1	0		0	
18.29	Fender System Access	LS	1	0		0	

18.30	Special Structures	LS	1	0		0	
18.31	Other Structures	LS	1	0		0	Special Light Pole foundations (spread footing or smaller shafts)
<b>18. Structures - Miscellaneous Total</b>						<b>1</b>	<b>28</b>

Estimator:

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	0	0	0	0	
20.2	Summary of Pay Items Including TRNS•Port Input		LS	1	0		0	
20.3	Tabulation of Quantities		Sheet	1	0	1	0	
20.4	General Notes/Pay Item Notes		Sheet	0	0	0	0	
20.5	Project Layout		Sheet	0	0	0	0	
20.6	Plan Sheet	40	Sheet	8	1	8	8	
20.7	Typical Details		EA	0	0		0	
20.8	Guide Sign Worksheet(s)		EA	0	0		0	
20.9	Traffic Monitoring Site		EA	0	0		0	
20.10	Cross Sections		EA	0	0		0	
20.11	Special Service Point Details		EA	0	0		0	
20.12	Special Details		LS	1	0		0	
20.13	Interim Standards		LS	1	0		0	
<b>Signing and Pavement Marking Plans Technical Subtotal</b>						<b>9</b>	<b>8</b>	
20.14	Quality Assurance/Quality Control		LS	%	6%		0	
20.15	Supervision		LS	%	6%		0	
<b>20. Signing and Pavement Marking Plans Total</b>						<b>9</b>	<b>8</b>	

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Chamberlain Signal  
 County: North Port  
 FPN:  
 FAP No.:

Consultant Name: American Consulting Professionals, LLC  
 Consultant No.: enter consultants proj. number  
 Date: 1/30/2018  
 Estimator: FTE

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr Engineer	Project Engineer	Designer	Technician	Clerical	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$180.00	\$165.00	\$130.00	\$96.00	\$55.00	\$60.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	62	2	9	6	19	25	1	0	0	0	0	0	0	62	\$5,884	\$94.90
22. Signalization Plans	20	1	7	2	10	0	0	0	0	0	0	0	0	20	\$2,555	\$127.75
23. Lighting Analysis	48	1	12	7	27	0	1	0	0	0	0	0	0	48	\$5,722	\$119.21
24. Lighting Plans	23	1	8	2	12	0	0	0	0	0	0	0	0	23	\$2,912	\$126.61
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	153	5	36	17	68	25	2	0	0	0	0	0	0	153		
<b>Total Staff Cost</b>		\$900.00	\$5,940.00	\$2,210.00	\$6,528.00	\$1,375.00	\$120.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$17,073.00	\$111.59

Check = \$17,073.00

SALARY RELATED COSTS:		\$17,073.00
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$17,073.00</b>
Survey (Field)	0	\$0.00
Geotechnical Field and Lab Testing	4-man crew da \$ - / day	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$17,073.00</b>
Optional Services		\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$17,073.00</b>

Notes:  
 1. This sheet to be used by Subconsultant to calculate its fee.

**Project Activity 21: Signalization Analysis**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Chamberlain Signal

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	N/A
21.2	Traffic Data Analysis	PI	1	6	6	Ped and Vehicle clearances
21.3	Access Management	LS	1	0	0	N/A
21.4	System Timings	LS	1	0	0	N/A
21.5	Reference and Master Signalization Design File	PI	1	16	16	Chamberlain Intersection
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	N/A
21.7	Overhead Street Name Sign Design	EA	0	2	0	N/A
21.8	Pole Elevation Analysis	LS	1	0	0	N/A
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Quantities	LS	1	6	6	
21.11	Cost Estimate	LS	1	9	9	3 submittals
21.12	Technical Special Provisions	LS	1	0	0	N/A
21.13	Other Signalization Analysis	LS	1	6	6	TCP analysis
<b>Signalization Analysis Technical Subtotal</b>					<b>43</b>	
21.14	Field Reviews	LS	1	4	4	1 review x 2 people @ 4hrs
21.15	Technical Meetings	LS	1	7	7	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	7%	3	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	7%	3	
<b>Signalization Analysis Nontechnical Subtotal</b>					<b>17</b>	

**Project Activity 21: Signalization Analysis**

21.19	Coordination	LS	%	3%	2	
<b>21. Signalization Analysis Total</b>					<b>62</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	2	2	4		0
Railroads	EA	0	0	0		0
Other Meetings -	EA	1	3	3		0
<b>Subtotal Technical Meetings</b>				<b>7</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>7</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 21.15

Carries to Tab 3



**Project Activity 22: Signalization Plans**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Chamberlain Signal

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	2	1	2	
22.2	Summary of Pay Items Including Designer Interface (TRNS•Port) Input		Sheet	0	0	0	0	N/A
22.3	Tabulation of Quantities		Sheet	1	4	1	4	
22.4	General Notes/Pay Item Notes		Sheet	1	4	1	4	
22.5	Plan Sheet		Sheet	1	4	1	4	Chamberlain Intersection
22.6	Interconnect Plans		Sheet	1	0	1	0	N/A
22.7	Traffic Monitoring Site		EA	0	0		0	N/A
22.8	Guide Sign Worksheet		EA	0	2		0	N/A
22.9	Special Details		Sheet	1	0	1	0	N/A
22.10	Special Service Point Details		EA	0	0		0	N/A
22.11	Mast Arm/Monotube Tabulation Sheet		PI	0	0		0	N/A
22.12	Strain Pole Schedule		PI	0	0		0	N/A
22.13	TCP Signal (Temporary)		EA	1	0		0	
22.14	Temporary Detection Sheet		PI	1	4		4	
22.15	Utility Conflict Sheet		Sheet	0	0	0	0	N/A
22.16	Interim Standards		LS	1	0		0	N/A
<b>Signalization Plans Technical Subtotal</b>						<b>6</b>	<b>18</b>	
22.17	Quality Assurance/Quality Control		LS	%	7%		1	
22.18	Supervision		LS	%	7%		1	
<b>22. Signalization Plans Total</b>						<b>6</b>	<b>20</b>	

**Project Activity 23: Lighting Analysis**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Chamberlain Signal

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	1	0	0	N/A
23.2	Lighting Design Analysis Report	LS	1	8	8	1 alternative (pole height, wattage, arm length)
23.3	Aeronautical Evaluation	LS	1	0	0	N/A
23.4	Voltage Drop Calculations	LS	1	2	2	1 circuit x 2hrs/circuit x 1 load centers
23.5	FDEP Coordination and Report	LS	1	0	0	N/A
23.6	Reference and Master Design Files	LS	1	16	16	Chamberlain Intersection
23.7	Temporary Lighting	LS	1	0	0	N/A
23.8	Design Documentation	LS	1	4	4	Docs
23.9	Quantities	LS	1	2	2	1 sheet x 2hrs/sheet
23.10	Cost Estimate	LS	1	3	3	3 submittals x 1hrs/submittal
23.11	Technical Special Provisions	LS	1	0	0	N/A
23.12	Other Lighting Analysis	LS	1	0	0	N/A
<b>Lighting Analysis Technical Subtotal</b>					<b>35</b>	
23.13	Field Reviews	LS	1	4	4	1 reviews x 2 people @ 2hrs
23.14	Technical Meetings	LS	1	4	4	
23.15	Quality Assurance/Quality Control	LS	%	7%	2	
23.16	Independent Peer Review	LS	%	0%	0	
23.17	Supervision	LS	%	7%	2	
<b>Lighting Analysis Nontechnical Subtotal</b>					<b>12</b>	
23.18	Coordination	LS	%	3%	1	
<b>23. Lighting Analysis Total</b>					<b>48</b>	

**Project Activity 23: Lighting Analysis**

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	4	0		0
Maintaining Agency (cities, counties)	EA	1	4	4		0
Airport authority	EA	0	0	0		0
FDEP Lighting (coast areas)	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>4</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>4</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 23.14

Carries to Tab 3

**24. Lighting Plans**

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Chamberlain Signal

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet		Sheet	1	4	1	4	
24.2	Summary of Pay Items Including Designer Interface (TRNS•Port) Input		Sheet	0	0	0	0	N/A
24.3	Tabulation of Quantities		Sheet	1	4	1	4	12hrs 1st sheet + 6hrs/additional sheet
24.4	General Notes/Pay Item Notes		Sheet	1	6	1	6	
24.5	Pole Data, Legend and Criteria		Sheet	1	4	1	4	16hrs 1st sheet + 10hrs/additional sheet
24.6	Service Point Details		Sheet	1	0	1	0	N/A
24.7	Project Layout		Sheet	0	0	0	0	N/A
24.8	Plan Sheet		Sheet	1	3	1	3	Scale 1" = 40' Chamberlain Intersection
24.9	Special Details		Sheet	1	0	1	0	N/A
24.10	Temporary Lighting Data and Details		Sheet	0	0	0	0	N/A
24.11	Traffic Control Plan Sheets		Sheet	0	0	0	0	N/A
24.12	Interim Standards		LS	1	0		0	N/A
<b>Lighting Plans Technical Subtotal</b>						<b>7</b>	<b>21</b>	
24.13	Quality Assurance/Quality Control		LS	%	7%		1	
24.14	Supervision		LS	%	7%		1	
<b>24. Lighting Plans Total</b>						<b>7</b>	<b>23</b>	

Price Boulevard – SA No 2

January 26, 2018

Convert to a 5-lane undivided section

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Conversion to 5 Lane Typical Section  
 County: North Port  
 FPN:  
 FAP No.:

Consultant Name: American Consulting Professionals, LLC  
 Consultant No.: 5159774  
 Date: 1/26/2018  
 Estimator: Ryan Forrestel

Staff Classification	Total Staff Hours From "SH Summary -	Project Manager	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clerical	Sr. Surveyor	SH By Activity	Salary Cost By Activity	Optional SH By Activity	Optional Salary Cost By Activity	Average Rate Per Task
		\$249.00	\$280.00	\$224.00	\$188.00	\$114.00	\$169.00	\$111.00	\$115.00	\$141.00	\$111.00	\$118.00	\$240.00					
3. Project General and Project Common Tasks	508	305	0	0	76	51	0	51	0	0	0	25	0	508	\$104,658			\$206.02
3a. Post Design Services (Optional)	0	0	0	0	0	0	0	0	0	0	0	0	0			0	\$0	#DIV/0!
4. Roadway Analysis	692	69	0	138	208	139	138	0	0	0	0	0	0	692	\$126,365			\$182.61
5. Roadway Plans	15	1	1	2	3	2	3	3	0	0	0	0	0	15	\$2,609			\$173.93
6a. Drainage Analysis	27	1	1	7	8	10	0	0	0	0	0	0	0	27	\$4,741			\$175.59
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0			#DIV/0!
<b>Total Staff Hours</b>	1,242	376	2	147	295	202	141	54	0	0	0	25	0	1,242		0		
<b>Total Staff Cost</b>		\$93,624.00	\$560.00	\$32,928.00	\$55,460.00	\$23,028.00	\$23,829.00	\$5,994.00	\$0.00	\$0.00	\$0.00	\$2,950.00	\$0.00		\$238,373.00		\$0.00	\$191.93

Check = \$238,373.00

Survey Field Days by Subconsultant  
 4 - Person Crew:

SALARY RELATED COSTS:		\$238,373.00
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
Survey (Field - if by Prime)	0 4-man crew days @	\$ - / day
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>		<b>\$238,373.00</b>
Subconsultant: Strayer	(Survey)	\$0.00
Subconsultant: Universal	(Geotechnical)	\$0.00
Subconsultant: Cumbey & Fair	(SUE locates and designates)	\$0.00
Subconsultant: Weller	(Utility design)	\$22,434.87
Subconsultant: IF Rooks	(LAMP)	\$0.00
Subconsultant: FTE	(Signals and Lighting)	\$25,218.00
Subconsultant: FL Acquisition & Appraisal	(Appraisals)	\$0.00
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>		<b>\$286,025.67</b>
Geotechnical Field and Lab Testing		\$0.00
<b>SUBTOTAL ESTIMATED FEE (LUMP SUM):</b>		<b>\$286,025.67</b>
T&M Services Weller for Post Design Services		\$0.00
T&M Services FL Acquisition & Appraisal (Acquisitions)		\$0.00
T&M Services American for Post Design Services		\$0.00
T&M Services American Government Services Corporation for Title Searches		\$0.00
<b>SUBTOTAL ESTIMATED FEE (TIME AND MATERIALS, NOT TO EXCEED):</b>		<b>\$0.00</b>
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$286,025.67</b>

Notes:

- This sheet to be used by Prime Consultant to calculate the Grand Total fee.
- Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

Estimator:

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Conversion to 5 Lane Typical Section

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	4	4	Included in Public Workshop tab
3.1.2	Notifications	LS	1	28	28	Included in Public Workshop tab
3.1.3	Prepare Mailing Lists	LS	1	32	32	Included in Public Workshop tab
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	0	0	
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation	LS	1	6	6	Presentation to be prepared by City, American will provide clips and review
3.1.9	Public Meeting Preparations	LS	1	90	90	Included in Public Workshop tab
3.1.10	Public Meeting Attendance/Followup	LS	1	60	60	Included in Public Workshop tab
3.1.11	Other Agency Meetings	LS	1	36	36	2 meetings with City Commission, one person + preparation of powerpoint summarizing workshops (20 hours)
3.1.12	Web Site	LS	1	0	0	
<b>3.1 Public Involvement Subtotal</b>					<b>256</b>	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications Package Preparation	LS	1	24	24	For right turn lane package
3.4	Contract Maintenance and EDMS	LS	1	108	108	3 hrs/month x 36 months
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	40	40	
3.7	Plans Update	LS	1	0	0	
3.8	Post Design Services	LS	1	0	0	
3.9	Digital Delivery	LS	1	0	0	
3.10	Risk Assessment Workshop	LS	1	0	0	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.12	Other Project General Tasks	LS	1	80	80	Coordination with City Staff
<b>3. Project Common and Project General Tasks Total</b>					<b>508</b>	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	4	5	20	
Drainage	EA	3	0	0	
Utilities	EA	0	0	0	
Environmental	EA	1	0	0	
Structures	EA	0	0	0	
Signing & Pavement Marking	EA	0	0	0	
Signalization	EA	0	0	0	
Lighting	EA	0	0	0	
Landscape Architecture	EA	3	0	0	
Survey	EA	0	0	0	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Terrestrial Mobile LiDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	20	1	20	
Phase Reviews	EA	0	0	0	
Field Reviews	EA	0	0	0	
<b>Total Project Manager Meetings</b>		31		40	Total PM Meeting Hours carries to Task 3.6 above

**Notes:**



**3 additional Public Workshops Estimate (Preparation and Attendance)**

<u>Hours</u>	<u>Activity</u>
0	Prepare detailed workshop schedule and maintain
0	To be determined by City
0	Review previous mailing list and past public engagement meetings
8	Update Mailing List to include 2500 feet west of Sumter
0	By City
12	Prepare letter announcement (Public in 300' and stakeholders)
24	Process mailing of announcements
12	Prepare newspaper ads and update with City comments
4	Coordinate newspaper ads with newspaper
4	Prepare and print handouts for attendees (same handout will be used for all 3 meetings)
2	Prepare and print sign in sheets
20	Prepare and plot general exhibits (welcome, directional signs, citations, schedule)
0	Prepare and plot traffic exhibits
12	Prepare, colorize and plot typical section exhibits
40	Prepare and plot aerial roll plot
12	Update workshop materials, exhibits after pre-briefing/briefing meetings
0	Review comments and prepare matrix. City to compile comments from each meeting
0	Prepare Public Workshop Scrapbook/Summary. One summary.
0	Responses to public comments for City PM to distribute
<hr/> <hr/> 150	<hr/> <hr/> Total hours to prep for public workshops
12	One pre-briefing meeting with PM and PI lead incl prep/notes (2 staff at 6 hrs)
12	One briefing meeting with PM, PI and City leadership incl prep/notes (2 staff at 6 hrs)
28	Attend 1 public workshops (2 staff at 8 hrs, 2 staff at 6 hrs)
8	One de-briefing meeting and comment responses incl prep/notes (2 staff at 4 hrs)
<hr/> <hr/> 60	<hr/> <hr/> Total hours of meeting attendance
210	

Estimator:

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Conversion to 5 Lane Typical Section

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	
4.2	Pavement Type Selection Report	LS	1	0	0	
4.3	Pavement Design Package	LS	1	8	8	One pavement design for right turn lanes east of Sumter
4.4	Cross-Slope Correction	LS	1	0	0	
4.5	Horizontal /Vertical Master Design Files	LS	1	60	60	5 lane: update for new typical section for 15% line and grade. Right turn
4.6	Access Management	LS	1	0	0	
4.7	Roundabout Evaluation	LS	1	0	0	
4.8	Roundabout Final Design Analysis	LS	1	0	0	
4.9	Cross Section Design Files	LS	1	137.5	138	Price Blvd east of Sumter: 2.75 miles x 50 hrs/mile to update design files.
4.10	Traffic Control Analysis	LS	1	330	330	East of Sumter: Update TCP Cross sections (2Phases x 2.75 miles x 60hrs/mile)
4.11	Master TCP Design Files	LS	1	0	0	
4.12	Design Variations and Exceptions	LS	1	0	0	
4.13	Design Report	LS	1	6	6	
4.14	Quantities	LS	1	0	0	
4.15	Cost Estimate	LS	1	8	8	Update costs
4.16	Technical Special Provisions	LS	1	0	0	
4.17	Other Roadway Analyses	LS	1	32	32	Alternatives evaluation for typical sections
<b>Roadway Analysis Technical Subtotal</b>					<b>582</b>	
4.18	Field Reviews	LS	1	0	0	
4.19	Protection of Existing Structures	LS	1	0	0	
4.20	Technical Meetings	LS	1	20	20	Meetings are listed below
4.21	Quality Assurance/Quality Control	LS	%	6%	35	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.22	Independent Peer Review	LS	%	0%	0	
4.23	Supervision	LS	%	6%	35	
<b>Roadway Analysis Nontechnical Subtotal</b>					<b>90</b>	
4.24	Coordination	LS	%	3%	20	
<b>4. Roadway Analysis Total</b>					<b>692</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number	
Typical Section	EA	1	5	5	yes	1	
Pavement	EA	0	0	0		0	
Access Management	EA	0	0	0		0	
15% Line and Grade	EA	1	5	5	yes	1	
Driveways	EA	0	0	0		0	
Local Governments (cities, counties, MPO)	EA	0	0	0		0	
Work Zone Traffic Control	EA	0	0	0		0	
30/60/90/100% Comment Review Meetings	EA	0	0	0		0	
Other Meetings	EA	2	5	10	yes	2	
<b>Subtotal Technical Meetings</b>				<b>20</b>		<b>Subtotal Project Manager Meetings</b>	<b>4</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--	
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--	
<b>Total Meetings</b>				<b>20</b>		<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>4</b>

Carries to 4.17

Carries to Tab 3

Estimator:

Representing		Print Name	Signature / Date
FDOT District			
Consultant Name			

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	0	0	0	
5.2	Summary of Pay Items Including Quantity Input		Sheet	0	0	0	
5.3	Typical Section Sheets						
5.3.1	Typical Sections		EA	1	8	8	
5.3.2	Typical Section Details		EA	1	5	5	Gravity wall, guardrail, etc. for 5 lane section
5.4	General Notes/Pay Item Notes		Sheet	0	0	0	
5.5	Summary of Quantities Sheets		Sheet	0	0	0	
5.6	Project Layout		Sheet	0	0	0	
5.7	Plan/Profile Sheet		Sheet	0	0	0	
5.8	Profile Sheet	40	Sheet	0	0	0	
5.9	Plan Sheet	40	Sheet	0	0	0	
5.10	Special Profile		Sheet	0	0	0	N/A
5.11	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	N/A
5.12	Interchange Layout Sheet		Sheet	0	0	0	N/A
5.13	Ramp Terminal Details (Plan View)		Sheet	0	0	0	N/A
5.14	Intersection Layout Details		Sheet	0	0	0	
5.15	Special Details		EA	0	0	0	
5.16	Cross-Section Pattern Sheet(s)		Sheet	0	0	0	N/A
5.17	Roadway Soil Survey Sheet(s)		Sheet	0	0	0	Provided by Geotech and incorporated into plans
5.18	Cross Sections		EA	0	0	0	

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.19	Temporary Traffic Control Plan Sheets		Sheet	0	0	0	
5.20	Temporary Traffic Control Cross Section Sheets		EA	0	0	0	
5.21	Temporary Traffic Control Detail Sheets		Sheet	0	0	0	
5.22	Utility Adjustment Sheets		Sheet	0	0	0	
5.23	Selective Clearing and Grubbing Sheet(s)		Sheet	0	0	0	N/A
5.24	Project Network Control Sheet(s)		Sheet	0	0	0	
5.25	Environmental Detail Sheets		Sheet	0	0	0	N/A
5.26	Utility Verification Sheet(s) (SUE Data)		Sheet	0	0	0	
<b>Roadway Plans Technical Subtotal</b>						<b>13</b>	
5.27	Quality Assurance/Quality Control		LS	%	6%	1	
5.28	Supervision		LS	%	6%	1	
<b>5. Roadway Plans Total</b>						<b>15</b>	

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	0	0	0	Existing and proposed drainage maps
6a.2	Base Clearance Water Elevation Determination	Per Location	0	0	0	
6a.3	Pond Siting Analysis and Report	Per Basin	1	24	24	Update pond calculations for 5 lane section
6a.4	Design of Cross Drains	EA	0	0	0	
6a.5	Design of Ditches	Per Ditch Mile	1	0	0	
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	1	0	0	
6a.7	Design of Stormwater Management Facility (Roadside Ditch as Linear Pond)	Per Cell	0	0	0	
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	1	0	0	
6a.9	Design of Storm Drains	EA	0	0	0	
6a.10	Optional Culvert Material	EA	0	0	0	
6a.11	French Drain Systems	Per Cell	0	0	0	
6a.12	Drainage Wells	EA	0	0	0	
6a.13	Drainage Design Documentation Report	LS	0	0	0	
6a.14	Bridge Hydraulic Report	EA	0	0	0	
6a.15	Temporary Drainage Analysis	LS	0	0	0	
6a.16	Cost Estimate	LS	0	0	0	
6a.17	Technical Special Provisions	LS	0	0	0	
6a.18	Other Drainage Analysis	LS	0	0	0	
<b>Drainage Analysis Technical Subtotal</b>					<b>24</b>	
6a.19	Field Reviews	LS	1	0	0	
6a.20	Technical Meetings	LS	1	0	0	Meetings are listed below

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.21	Environmental Look-Around (ELA) Meeting	LS	1	0	0	
6a.22	Quality Assurance/Quality Control	LS	%	6%	1	
6a.23	Independent Peer Review	LS	%	0%	0	
6a.24	Supervision	LS	%	6%	1	
<b>Drainage Analysis Nontechnical Subtotal</b>					<b>2</b>	
6a.25	Coordination	LS	%	3%	1	
<b>6a. Drainage Analysis Total</b>					<b>27</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	0	0	0		0
Pond Siting	EA	0	0	0		1
Agency	EA	0	0	0		1
Local Governments (cities, counties)	EA	0	0	0		0
FDOT Drainage	EA	0	0	0		0
Other Meetings	EA	0	0	0		1
<b>Subtotal Technical Meetings</b>				<b>0</b>		<b>3</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>3</b>

Carries to 6.19

Carries to Tab 3

**UTILITIES**  
**Man-Hour Estimate for Professional Services Agreement - Price Boulevard (RFP No. 2015-19) - Sumter Boulevard to Toledo Blade Boulevard**  
**SA 2, Part 1**  
**(1/25/2018)**

Description	Principal	Project Manager	Registered PE	Registered EI	Sr. Designer	Designer	Technician	Sr. Construction Insp.	Construction Insp.	Clerical	Total Hrs	Sub-Total
<b>SA 2, Part 1. Changing from 4-lane divided section to 5-lane section</b>												
<b>Task 4.06 Utility Coordination and Design (LUMP SUM)</b>												
<b>4.06.1 Utility Coordination</b>												
<b>1. Wastewater - Transmission Force Main</b>												
a. Coordinate w/ Existing Utilities	0.00	1.33	1.33	1.33	1.33	0.00	0.00	0.00	0.00	0.00	6.07	6.00
b. Pre-Design Conference	0.33	0.67	0.67	0.67	0.67	0.00	0.00	0.00	0.00	0.00	3.67	3.67
c. Public Involvement (Add'l mtg per Task 4.18)	0.00	1.33	1.33	1.33	0.00	0.00	0.00	0.00	0.00	0.00	4.67	4.67
Sub-Total Hours	0.33	3.33	3.33	3.33	2.00	0.00	0.00	0.00	0.00	0.00	2.00	14.33
Hourly Rate	\$214.00	\$163.00	\$163.00	\$129.00	\$112.00	\$101.00	\$90.00	\$118.00	\$101.00	\$62.00		
Sub-Total Fee	\$71.33	\$543.33	\$543.33	\$430.00	\$224.00	\$0.00	\$0.00	\$0.00	\$0.00	\$124.00		\$1,935.99
<b>2. Potable Water - Distribution Main</b>												
a. Coordinate w/ Existing Utilities	0.00	1.33	1.33	1.33	1.33	0.00	0.00	0.00	0.00	0.00	6.07	6.00
b. Pre-Design Conference	0.33	0.67	0.67	0.67	0.67	0.00	0.00	0.00	0.00	0.00	3.67	3.67
c. Public Involvement (Add'l mtg per Task 4.18)	0.00	1.33	1.33	1.33	0.00	0.00	0.00	0.00	0.00	0.00	4.67	4.67
Sub-Total Hours	0.33	3.33	3.33	3.33	2.00	0.00	0.00	0.00	0.00	0.00	2.00	14.33
Hourly Rate	\$214.00	\$163.00	\$163.00	\$129.00	\$112.00	\$101.00	\$90.00	\$118.00	\$101.00	\$62.00		
Sub-Total Fee	\$71.33	\$543.33	\$543.33	\$430.00	\$224.00	\$0.00	\$0.00	\$0.00	\$0.00	\$124.00		\$1,935.99
<b>3. Re-Use Water - Distribution Main</b>												
a. Coordinate w/ Existing Utilities	0.00	1.33	1.33	1.33	1.33	0.00	0.00	0.00	0.00	0.00	6.07	6.00
b. Pre-Design Conference	0.33	0.67	0.67	0.67	0.67	0.00	0.00	0.00	0.00	0.00	3.67	3.67
c. Public Involvement (Add'l mtg per Task 4.18)	0.00	1.33	1.33	1.33	0.00	0.00	0.00	0.00	0.00	0.00	4.67	4.67
Sub-Total Hours	0.33	3.33	3.33	3.33	2.00	0.00	0.00	0.00	0.00	0.00	2.00	14.33
Hourly Rate	\$214.00	\$163.00	\$163.00	\$129.00	\$112.00	\$101.00	\$90.00	\$118.00	\$101.00	\$62.00		
Sub-Total Fee	\$71.33	\$543.33	\$543.33	\$430.00	\$224.00	\$0.00	\$0.00	\$0.00	\$0.00	\$124.00		\$1,935.99
<b>4.06.2 Design</b>												
<b>1. Wastewater - Transmission Force Main</b>												
a. Concept Design 15%	0.67	5.33	8.00	10.67	5.33	12.00	0.00	0.00	0.00	0.00	6.67	42.66
c. Design 60%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
d. Design 90%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
e. Design 100%	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 Hours	0.67	5.33	8.00	10.67	5.33	12.00	0.00	0.00	0.00	0.00	6.67	42.66
Hourly Rate	\$214.00	\$163.00	\$163.00	\$129.00	\$112.00	\$101.00	\$90.00	\$118.00	\$101.00	\$62.00		
Sub-Total Fee	\$142.65	\$869.25	\$1,303.87	\$1,375.86	\$597.27	\$1,212.00	\$0.00	\$0.00	\$0.00	\$41.33		\$5,542.23
<b>2. Potable Water - Distribution Main</b>												
a. Concept Design 15%	0.67	5.33	8.00	10.67	5.33	12.00	0.00	0.00	0.00	0.00	6.67	42.66
c. Design 60%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
d. Design 90%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
e. Design 100%	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 Hours	0.67	5.33	8.00	10.67	5.33	12.00	0.00	0.00	0.00	0.00	6.67	42.66
Hourly Rate	\$214.00	\$163.00	\$163.00	\$129.00	\$112.00	\$101.00	\$90.00	\$118.00	\$101.00	\$62.00		
Sub-Total Fee	\$142.65	\$869.25	\$1,303.87	\$1,375.86	\$597.27	\$1,212.00	\$0.00	\$0.00	\$0.00	\$41.33		\$5,542.23
<b>3. Re-Use Water - Distribution Main</b>												
a. Concept Design 15%	0.67	5.33	8.00	10.67	5.33	12.00	0.00	0.00	0.00	0.00	6.67	42.66
c. Design 60%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
d. Design 90%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
e. Design 100%	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 Hours	0.67	5.33	8.00	10.67	5.33	12.00	0.00	0.00	0.00	0.00	6.67	42.66
Hourly Rate	\$214.00	\$163.00	\$163.00	\$129.00	\$112.00	\$101.00	\$90.00	\$118.00	\$101.00	\$62.00		
Sub-Total Fee	\$142.65	\$869.25	\$1,303.87	\$1,375.86	\$597.27	\$1,212.00	\$0.00	\$0.00	\$0.00	\$41.33		\$5,542.23
<b>4.06.3-4 Permitting</b>												
<b>1. Wastewater - Transmission Force Main</b>												
<b>2. Potable Water - Distribution Main</b>												
<b>3. Re-Use Water - Distribution Main</b>												
Sub-Total Hours	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hourly Rate	\$214.00	\$163.00	\$163.00	\$129.00	\$112.00	\$101.00	\$90.00	\$118.00	\$101.00	\$62.00		
Sub-Total Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
<b>TOTAL HOURS</b>	3.00	26.00	34.00	42.00	22.00	36.00	0.00	0.00	0.00	8.00	142.32	
<b>HOURLY RATE</b>	\$214.00	\$163.00	\$163.00	\$129.00	\$112.00	\$101.00	\$90.00	\$118.00	\$101.00	\$62.00		
<b>SA 2, PART 1 SUB-TOTAL FEE (LUMP SUM)</b>	\$641.96	\$4,237.72	\$5,541.59	\$5,417.59	\$2,463.82	\$3,636.00	\$0.00	\$0.00	\$0.00	\$495.99		\$22,434.67

SA 2, PART 1 SUB-TOTAL  
(ADDITIONAL LUMP SUM SERVICES)



ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: MotionNo2 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd  
 County: North Port  
 FPN:  
 FAP No.:

Consultant Name: FTE  
 Consultant No.: enter consultants proj. number  
 Date: 1/26/2018  
 Estimator: FTE

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr Engineer	Project Engineer	Designer	Technician	Clerical	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$180.00	\$165.00	\$130.00	\$96.00	\$55.00	\$60.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	21	1	12	0	8	0	0	0	0	0	0	0	0	21	\$2,928	\$139.43
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	31	3	6	12	7	0	3	0	12	0	0	0	0	31	\$3,942	\$127.16
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	97	9	10	24	48	0	6	0	0	0	0	0	0	97	\$11,358	\$117.09
24. Lighting Plans	59	6	6	12	35	0	0	0	0	0	0	0	0	59	\$6,990	\$118.47
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	208	19	34	48	98	0	9	0	0	0	0	0	0	208		
<b>Total Staff Cost</b>		\$3,420.00	\$5,610.00	\$6,240.00	\$9,408.00	\$0.00	\$540.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$25,218.00	\$121.24

Check = \$25,218.00

SALARY RELATED COSTS:		\$25,218.00
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$25,218.00</b>
Survey (Field)	0 4-man crew da \$ - / day	\$0.00
Geotechnical Field and Lab Testing		\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$25,218.00</b>
Optional Services		\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$25,218.00</b>

Notes:  
 1. This sheet to be used by Subconsultant to calculate its fee.

**Project Activity 3: General Tasks**

Estimator:

MotionNo2 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
North Port		
FTE	Oliver Remy Rodrigues	

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	
3.1.2	Notifications	LS	1	0	0	
3.1.3	Prepare Mailing Lists	LS	1	0	0	
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	0	0	
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation	LS	1	0	0	
3.1.9	Public Meeting Preparations	LS	1	0	0	
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	
3.1.11	Other Agency Meetings	LS	1	0	0	
3.1.12	Web Site	LS	1	0	0	
<b>3.1 Public Involvement Subtotal</b>					<b>0</b>	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications Package Preparation	LS	1	0	0	
3.4	Contract Maintenance and EDMS	LS	1	0	0	
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	0	0	See listing below
3.7	Plans Update	LS	1	12	12	lighting @ 12hrs

**Project Activity 3: General Tasks**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	9	9	1 shop drwgs @ 3hrs + 2 RFI @ 3hrs = 9hrs; west of Sumter
3.9	Digital Delivery	LS	1	0	0	
3.10	Risk Assessment Workshop	LS	1	0	0	
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.12	Other Project General Tasks	LS	1	0	0	
<b>3. Project Common and Project General Tasks Total</b>					<b>21</b>	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	0	0	0	
Drainage	EA	0	0	0	
Utilities	EA	0	0	0	
Environmental	EA	0	0	0	
Structures	EA	0	0	0	
Signing & Pavement Marking	EA	0	0	0	
Signalization	EA	0	0	0	
Lighting	EA	0	0	0	
Landscape Architecture	EA	0	0	0	
Survey	EA	0	0	0	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Terrestrial Mobile LiDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	0	0	0	
Phase Reviews	EA	0	0	0	
Field Reviews	EA	0	0	0	
<b>Total Project Manager Meetings</b>		0		0	Total PM Meeting Hours carries to Task 3.6 above

- Notes:**
1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
  2. Do not double count agency meetings between permitting agencies.
  3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

**Project Activity 21: Signalization Analysis**

Estimator: O.Rodrigues

MotionNo2 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
North Port		
FTE	Oliver Remy Rodrigues	

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	N/A
21.2	Traffic Data Analysis	LS	1	12	12	Evaluate 2009 traffic report; update current traffic report language to a 5-lane section; traffic impacts to construction phasing.
21.3	Access Management	LS	1	0	0	N/A
21.4	System Timings	LS	1	0	0	N/A
21.5	Reference and Master Signalization Design File	PI	1	0	0	N/A
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	N/A
21.7	Overhead Street Name Sign Design	EA	1	0	0	N/A
21.8	Pole Elevation Analysis	LS	1	0	0	N/A
21.9	Traffic Signal Operation Report	LS	1	0	0	N/A
21.10	Quantities	LS	1	0	0	N/A
21.11	Cost Estimate	LS	1	0	0	N/A
21.12	Technical Special Provisions	LS	1	0	0	N/A
21.13	Other Signalization Analysis	LS	1	0	0	N/A
<b>Signalization Analysis Technical Subtotal</b>					<b>12</b>	
21.14	Field Reviews	LS	1	16	16	Inventory of Existing Conditions (1 reviews x 2 people @ 8hrs)
21.15	Technical Meetings	LS	1	0	0	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	7%	1	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	7%	1	
<b>Signalization Analysis Nontechnical Subtotal</b>					<b>18</b>	

**Project Activity 21: Signalization Analysis**

21.19	Coordination	LS	%	3%	1	
<b>21. Signalization Analysis Total</b>					<b>31</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	0	2	0		0
Railroads	EA	0	0	0		0
Other Meetings - Speed Study	EA	0	3	0		0
<b>Subtotal Technical Meetings</b>				<b>0</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 21.15

Carries to Tab 3

**Project Activity 23: Lighting Analysis**

Estimator: O.Rodrigues

MotionNo2 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
North Port		
FTE	Oliver Remy Rodrigues	

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	1	0	0	N/A
23.2	Lighting Design Analysis Report	LS	1	48	48	Evaluate lighting for 5-lane section East of Sumter=48hrs; Evaluate lighting west of Sumter= 22hrs.
23.3	Aeronautical Evaluation	LS	1	0	0	N/A
23.4	Voltage Drop Calculations	LS	1	0	0	West of Sumter: 2 circuits x 3hrs/circuit x 1 load center
23.5	FDEP Coordination and Report	LS	1	0	0	N/A
23.6	Reference and Master Design Files	LS	1	0	0	West of Sumter: 30hrs setup + (40hrs/mi x 0.47mi = 19hrs)
23.7	Temporary Lighting	LS	1	0	0	N/A
23.8	Design Documentation	LS	1	6	6	Docs
23.9	Quantities	LS	1	12	12	5 sheets
23.10	Cost Estimate	LS	1	6	6	3 submittals x 2hrs/submittal
23.11	Technical Special Provisions	LS	1	0	0	N/A
23.12	Other Lighting Analysis	LS	1	0	0	N/A
<b>Lighting Analysis Technical Subtotal</b>					<b>72</b>	
23.13	Field Reviews	LS	1	4	4	1 review x 2 people @ 2hrs
23.14	Technical Meetings	LS	1	8	8	
23.15	Quality Assurance/Quality Control	LS	%	7%	5	
23.16	Independent Peer Review	LS	%	0%	0	
23.17	Supervision	LS	%	7%	5	
<b>Lighting Analysis Nontechnical Subtotal</b>					<b>22</b>	
23.18	Coordination	LS	%	3%	3	
<b>23. Lighting Analysis Total</b>					<b>97</b>	

**Project Activity 23: Lighting Analysis**

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	1	4	4		0
Maintaining Agency (cities, counties)	EA	1	4	4		0
Airport authority	EA	0	0	0		0
FDEP Lighting (coast areas)	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>8</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>8</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 23.14

Carries to Tab 3

**24. Lighting Plans**

Estimator: O.Rodrigues

MotionNo2 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
North Port		
FTE	Oliver Remy Rodrigues	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet		Sheet	0	4	0	0	
24.2	Summary of Pay Items Including Designer Interface (TRNS•Port) Input		Sheet	0	0	0	0	N/A
24.3	Tabulation of Quantities		Sheet	1	6	1	6	12hrs 1st sheet, 6/hrs/additional sheet
24.4	General Notes/Pay Item Notes		Sheet	1	4	0	4	
24.5	Pole Data, Legend and Criteria		Sheet	1	10	1	10	16hrs 1st sheet, 10hrs/additional sheet
24.6	Service Point Details		Sheet	1	4	0	4	
24.7	Project Layout		Sheet	0	6	0	0	N/A
24.8	Plan Sheet		Sheet	5	3	5	15	Scale 1" = 40'
24.9	Special Details		Sheet	1	12	1	12	Decorative poles
24.10	Temporary Lighting Data and Details		Sheet	0	0	0	0	N/A
24.11	Traffic Control Plan Sheets		Sheet	0	0	0	0	N/A
24.12	Interim Standards		LS	0	0		0	N/A
<b>Lighting Plans Technical Subtotal</b>						<b>8</b>	<b>51</b>	
24.13	Quality Assurance/Quality Control		LS	%	7%		4	
24.14	Supervision		LS	%	7%		4	
<b>24. Lighting Plans Total</b>						<b>8</b>	<b>59</b>	



Price Boulevard – SA No 2

January 26, 2018

Speed Study

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: MotionNo3 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd  
 County: North Port  
 FPN:  
 FAP No.:

Consultant Name: FTE  
 Consultant No.: enter consultants proj. number  
 Date: 1/26/2018  
 Estimator: FTE

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr Engineer	Project Engineer	Designer	Technician	Clerical	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$180.00	\$165.00	\$130.00	\$96.00	\$55.00	\$60.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	224	22	45	56	0	90	11	0	0	0	0	0	0	224	\$24,275	\$108.37
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	224	22	45	56	0	90	11	0	0	0	0	0	0	224		
<b>Total Staff Cost</b>		\$3,960.00	\$7,425.00	\$7,280.00	\$0.00	\$4,950.00	\$660.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$24,275.00	\$108.37

Check = \$24,275.00

SALARY RELATED COSTS:		\$24,275.00
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$24,275.00</b>
Survey (Field)	0	\$0.00
Geotechnical Field and Lab Testing	4-man crew da	\$ - / day
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$24,275.00</b>
Optional Services		\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$24,275.00</b>

Notes:  
 1. This sheet to be used by Subconsultant to calculate its fee.

**Project Activity 21: Signalization Analysis**

Estimator: O.Rodrigues

MotionNo3 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	108	108	24Hr AppSpeed = 84hrs (2 approaches at 12 locations at 3.5 hours per approach); 6 Horizontal curves = 24hrs (6 curves at 4hrs per curve)
21.2	Traffic Data Analysis	LS	1	61	61	Analyze speed data = 30hrs (12 locations at 2.5hrs); horizontal curve data = 15hrs (6 curves at 2.5hrs); documentation = 16hrs.
21.3	Access Management	LS	1	0	0	N/A
21.4	System Timings	LS	1	0	0	N/A
21.5	Reference and Master Signalization Design File	PI	1	0	0	N/A
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	N/A
21.7	Overhead Street Name Sign Design	EA	1	0	0	N/A
21.8	Pole Elevation Analysis	LS	1	0	0	N/A
21.9	Traffic Signal Operation Report	LS	1	0	0	N/A
21.10	Quantities	LS	1	0	0	N/A
21.11	Cost Estimate	LS	1	0	0	N/A
21.12	Technical Special Provisions	LS	1	0	0	N/A
21.13	Other Signalization Analysis	LS	1	0	0	N/A
<b>Signalization Analysis Technical Subtotal</b>					<b>169</b>	
21.14	Field Reviews	LS	1	24	24	Inventory of Existing Conditions (2 reviews x 2 people @ 6hrs)
21.15	Technical Meetings	LS	1	0	0	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	7%	12	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	7%	12	
<b>Signalization Analysis Nontechnical Subtotal</b>					<b>48</b>	

**Project Activity 21: Signalization Analysis**

21.19	Coordination	LS	%	3%	7	
<b>21. Signalization Analysis Total</b>					<b>224</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	0	2	0		0
Railroads	EA	0	0	0		0
Other Meetings - Speed Study	EA	0	3	0		0
<b>Subtotal Technical Meetings</b>				<b>0</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 21.15

Carries to Tab 3

**Price Boulevard Widening - Proposed Contract Rates Through December 31, 2019 - CES/American**

Classification	Contracted Rate		Proposed Rate Rounded (2)	Distribution From Original Contract	Remaining Hours	Remaining Fee	
	(June 2015) (1)	Proposed Rate (2)				at Proposed Rate	Fee Increase
Project Manager	\$221.00	\$248.59	\$249.00	7.19%	679	\$169,005	\$19,005
Chief Eng.	\$249.00	\$280.09	\$280.00	2.33%	220	\$61,587	\$6,819
Sr. Engineer	\$199.00	\$223.85	\$224.00	13.90%	1312	\$293,924	\$32,804
Project Engineer	\$167.00	\$187.85	\$188.00	20.08%	1896	\$356,364	\$39,807
Eng. Intern	\$101.00	\$113.61	\$114.00	18.47%	1744	\$198,767	\$22,666
Sr. Designer	\$150.00	\$168.73	\$169.00	14.40%	1359	\$229,732	\$25,828
Designer	\$99.00	\$111.36	\$111.00	8.99%	849	\$94,201	\$10,184
Env. Scientist	\$102.00	\$114.74	\$115.00	1.46%	138	\$15,850	\$1,792
Landscape Architect	\$125.00	\$140.61	\$141.00	4.79%	452	\$63,757	\$7,235
Landscape Technician	\$99.00	\$111.36	\$111.00	4.47%	422	\$46,838	\$5,064
Clerical	\$105.00	\$118.11	\$118.00	0.55%	52	\$6,127	\$675
Sr. Surveyor	\$213.00	\$239.60	\$240.00	3.38%	319	\$76,577	\$8,615
				100.0%	9,441	\$1,612,728	\$180,492

(1) Original work was to be completed in September 2016

(2) Proposed rate valid through December 31, 2019

Hours billed through November 30, 2017 =	1,918
Original contracted hours =	11,198
SA 1 contracted hours =	160
Total contracted hours =	11,358
Remain contracted hours =	9,440

<b>Total Fee Increase For New Rates Through December 31, 2018:</b>	
CES/American =	\$180,492
FTE =	\$19,979
Weiler =	\$15,088
Total =	<u>\$215,559</u>

**Price Boulevard Widening - Proposed Contract Rates Through December 31, 2019 - FTE**

Classification	Contracted Rate		Proposed Rate Rounded (2)	Distribution From Original Contract	Hours From Original Contract	Remaining Hours	Remaining Fee at Proposed	
	(June 2015) (1)	Proposed Rate (2)					Rate	Fee Increase
Project Manager	\$180.00	\$202.48	\$202.00	3.64%	66	54	\$10,908	\$1,188
Sr. Engineer	\$165.00	\$185.60	\$186.00	24.59%	446	386	\$71,796	\$8,106
Project Engineer	\$130.00	\$146.23	\$146.00	11.19%	203	163	\$23,798	\$2,608
Designer	\$96.00	\$107.99	\$108.00	43.11%	782	662	\$71,496	\$7,944
Technician	\$55.00	\$61.87	\$62.00	15.99%	290	0	\$0	\$0
Clerical	\$60.00	\$67.49	\$67.00	1.49%	27	19	\$1,273	\$133
				100.0%	1,814	1,284	\$179,271	\$19,979

(1) Original work was to be completed in September 2016

(2) Proposed rate valid through December 31, 2019

Hours billed through March 31, 2017 =

Original contracted hours =

SA 1 contracted hours =

Total contracted hours =

Remain contracted hours =

### Price Boulevard Widening - Proposed Contract Rates Through December 31, 2019 - Weiler

Classification	Contracted Rate		Proposed Rate Rounded (2)	Distribution From Original Contract	Remaining Hours	Remaining Fee at Proposed	
	(June 2015) (1)	Proposed Rate (2)				Rate	Fee Increase
Principal	\$190.00	\$213.72	\$214.00	2.21%	24	\$5,054	\$567
Project Manager	\$145.00	\$163.11	\$163.00	12.35%	132	\$21,514	\$2,376
Registered PE	\$145.00	\$163.11	\$163.00	18.88%	202	\$32,890	\$3,632
Registered EI	\$115.00	\$129.36	\$129.00	23.19%	248	\$31,971	\$3,470
Sr. Designer	\$100.00	\$112.49	\$112.00	17.48%	187	\$20,923	\$2,242
Designer	\$90.00	\$101.24	\$101.00	20.28%	217	\$21,891	\$2,384
Technician	\$80.00	\$89.99	\$90.00	0.00%	0	\$0	\$0
Sr. Construction Insp.	\$105.00	\$118.11	\$118.00	0.00%	0	\$0	\$0
Construction Insp.	\$90.00	\$101.24	\$101.00	0.00%	0	\$0	\$0
Clerical	\$55.00	\$61.87	\$62.00	5.59%	60	\$3,704	\$418
				100.0%	1,069	\$137,947	\$15,088

(1) Original work was to be completed in September 2016

(2) Proposed rate valid through December 31, 2019

Hours billed through November 30, 2017 =	673
Original contracted hours =	1,716
SA 1 contracted hours =	26
Total contracted hours =	1,742
Remain contracted hours =	1,069

SUPPLEMENTAL AGREEMENT No. 3

Scope of Services  
Professional Services Agreement  
Price Boulevard (RFP No. 2015-19)  
Sumter Boulevard to Toledo Blade Boulevard  
City of North Port

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Supplemental Agreement No 3  
Scope of Services  
Professional Services Agreement  
Price Boulevard (RFP No. 2015-19)  
Sumter Boulevard to Toledo Blade Boulevard  
City of North Port

**1.00 PROJECT OBJECTIVE AND DESCRIPTION**

- 1.01 The City of North Port executed a contract with Charlotte Engineering and Surveying, Inc., a Florida corporation and wholly owned subsidiary of American Consulting Engineers of Florida, LLC, to design the widening of Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard on September 28, 2015.
- 1.02 This Supplemental Agreement modifies the design services required of the CONSULTANT for preparation of construction plans for improvements to Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard. Ponds shall be redesigned to be wet ponds. Landscaping shall be provided for pond sites and for medians at each end of the project. An additional public meeting will be held. Additional survey budget is proposed to be reserved for re-survey of areas that have changed since the original survey. Interim improvements proposed to be designed under Amendment No. 2 are no longer proposed. Last, expert witness services may be required (optional service) for the acquisition of pond sites.
- 1.03 These services shall be completed in accordance with the original executed contract and amendments thereto, except removing work included under Amendment No. 2 for interim intersection right turn lane and signal improvements and expediting the project and as modified hereinafter.

**4.00 BASIC SERVICES - SCOPE AND RESPONSIBILITY REQUIREMENTS**

- 4.01 The CONSULTANT shall prepare, furnish and maintain a bar chart schedule for the Project design services. The schedule shall be submitted to the CITY for review within 10 working days of receiving NTP.
- 4.02 Design, Construction Plans and Bidding Documents:  
Landscaping and irrigation plans will be provided.
- 4.02 Plans and Design Submittals:
  - 4.02.1.1 Conceptual Design Analysis  
N/A (N/A = Not changed)
  - 4.02.1.2 Preliminary Design Analysis  
N/A

4.03 Design Survey:

Re-survey of changed conditions due to parcel development on an as needed basis.

4.05 Subsurface Investigation and Pavement Design:

N/A

4.06 Utility Coordination and Design:

Electric service will be provided for the pond sites to serve fountains. Utilities will be adjusted for conveyance system adjustments.

4.07 Drainage Design Requirements:

The ponds shall be redesigned to be wet ponds with lighted fountains. The conveyance system to the ponds will be redesigned for changed conditions.

4.11 Highway Lighting:

Plans will be updated to show electric services for ponds and mid-block crossing.

4.12 Signing and Pavement Markings:

A mid-block crossing will be added at the Blueridge Waterway.

4.13 Signalization:

N/A

4.14 Landscaping, Hardscape and Irrigation:

Landscaping, hardscaping and irrigation are no longer being provided for the entire roadway. Landscaping will be provided for the pond sites and the medians at each end of the job. There is a total of 13 pond sites. The medians to be landscaped are located from east of S Sumter Blvd. to approximately the Blueridge Waterway and from approximately the Creighton Waterway to west of N Toledo Blade Blvd. Irrigation will be provided for median landscaping.

4.18 Community Involvement:

The CONSULTANT will prepare for and conduct one (1) additional public information meeting for the 5-lane typical section. Two (2) CONSULTANT staff members will attend the meeting. The CITY will provide staff for the welcome/sign-in table. Graphics used in the previous public meetings will be updated one time for use in this additional meeting. The CITY will prepare a presentation for use in the meetings. CONSULTANT will provide graphic clips for use in developing the presentation. CONSULTANT will review and provide input on the presentation. CONSULTANT will summarize public input from the meeting in one summary. CITY will prepare responses to public comments.

4.19 Right-of-Way Requirements:

The CONSULTANT shall prepare right of entry letters for the currently proposed temporary construction easements.

The CITY will handle activities associated with acquiring TCEs.

4.20 Right-of-Way Requirements:

The CONSULTANT shall provide expert witness services on an hourly/as-needed basis related to pond site acquisitions.

**6.00 MILESTONE DATES:**

The current contract end date is December 31, 2019. The contract end date is amended to May 31, 2020. The following milestones are proposed to incorporate the adjustments.

Milestones:

Anticipated Execution of Amendment	07/23/2019
Permit Plans/Application Package to City	08/23/2019
Finalize Landscaping Concepts	08/23/2019
Submit Permit Applications	09/09/2019
100% Plans Submittal	10/07/2019
Final Plans Submittal	11/21/2019
Letting for Construction	2020

SUPPLEMENTAL AGREEMENT No. 4

Scope of Services  
Professional Services Agreement  
Price Boulevard (RFP No. 2015-19)  
Sumter Boulevard to Toledo Blade Boulevard  
City of North Port

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Supplemental Agreement No 4  
Scope of Services  
Professional Services Agreement  
Price Boulevard (RFP No. 2015-19)  
Sumter Boulevard to Toledo Blade Boulevard  
City of North Port

**1.00 PROJECT OBJECTIVE AND DESCRIPTION**

- 1.01 The City of North Port executed a contract with Charlotte Engineering and Survey, a Florida corporation and wholly owned subsidiary of American Consulting Engineers of Florida, LLC, to design the widening of Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard on September 28, 2015.
- 1.02 This Supplemental Agreement modifies the contract duration of the CONSULTANT for preparation of construction plans for improvements to Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard. The investigation of Federal Funds and other construction funding arrangements have postponed finalizing the project and holding the public meeting.
- 1.03 These services shall be competed in accordance with the original executed contract and amendments thereto.

**2.00 PROJECT PHASING & DESIGN LIMITS**

No change

**3.00 QUALIFICATIONS DURING TERM OF SERVICES**

No change

**4.00 BASIC SERVICES - SCOPE AND RESPONSIBILITY REQUIREMENTS**

No change

**5.00 PLANS PREPARATION, ENDORSEMENT AND OWNERSHIP**

No change

**6.00 MILESTONE DATES:**

The current contract end date is May 31, 2020. The contract end date is amended to May 31, 2021. The following milestones are proposed to incorporate the adjustments.

Milestones:

Final Plans Submittal	12/21/2020
Letting for Construction	2021

## **Scope of Services**

Professional Services Agreement

Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard

City of North Port RFP No. 2015-19

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## SECTION 1 INTRODUCTION

The City of North Port executed a contract with Charlotte Engineering and Survey, a Florida corporation and wholly owned subsidiary of American Consulting Engineers of Florida, LLC (The CONSULTANT), to design the widening of Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard on September 28, 2015. The original scope and supplementals thereto, through Supplemental Agreement No. 5, was completed in June of 2021. Since that time there has been construction within the corridor and desirable design improvements have been identified as well as the widening or replacement of the bridge over the Myakkahatchee Creek. This supplemental scope of services is to provide the design, permitting, survey and plans preparation services required to incorporate these changes. The following services are to be provided by the CONSULTANT or the CONSULTANT's team which includes sub-consultants providing Survey, Utility Investigation, and Geotechnical exploration and analysis.

## SECTION 2 DESCRIPTION OF SUPPLEMENTAL SERVICES

This Supplemental Agreement modifies the contract to provide supplemental services as follows:

### 2.1 CROSS DRAIN RESILIENCE IMPROVEMENTS AND PERMITTING

The cross drains and bridge crossing within the project limits will be improved to provide resiliency with respect to significant storm events to greatly reduce the risk of future roadway overtopping and loss of roadway embankment as occurred during Hurricane Ian.

#### 2.1.1 Cross Drain Resilience

The triple 72 inch cross drains at the following locations will be redesigned to substantially reduce head loss for the 100 year event and prevent overtopping of the roadway for the 500 year event. To achieve this these crossings, listed below, will be redesigned as box culverts:

- Blue Ridge Waterway
- Lagoon Waterway
- Creighton Waterway

To prevent downstream impacts the weirs upstream of these cross drains will be modified to limit discharge to the existing conditions. This will involve modification of the Blue Ridge Waterway and Lagoon Waterway replacement weir designs and the addition of a weir replacement at the Creighton Waterway. Modeling will be performed utilizing ICPR V4 for the sizing of the weir and cross drain pairs.

The existing bridge at the Mac Caughey Waterway will be replaced instead of widening to provide a structure that will be less susceptible to erosion, more readily protectable, and have a longer expected design service life.

#### 2.1.2 Permitting

The Southwest Florida Water Management District (SWFWMD) Permit No. 43044411.000, will be modified to reflect the weir, bridge and cross drain adjustments.

A section 404 permit will be obtained to reflect the currently proposed impacts to wetlands and/or other surface waters. This permit will be obtained from the Florida Department of Environmental Protection (FDEP).

## **2.2 PLANS AND SPECIFICATIONS UPDATES**

The plans will be updated to reflect design changes, identified herein, and due to changed conditions since the time of original design. Changed conditions include construction that has occurred since survey was last obtained and changed specifications.

### **2.2.1 Analysis**

#### **Design Changes**

Related roadway analysis will include profile grade evaluation as well as phased traffic control plan adjustments.

Drainage analysis will include adjustments to the ICPR model to reflect drainage structure and pipe adjustments. Adjustments to the proposed ponds or their control structures is not anticipated/not included.

### **2.2.2 Roadway Plans**

#### **Design Changes**

The roadway plans will be updated to reflect the cross drain and weir changes.

#### **Changed Conditions**

The roadway plans will be updated to provide proposed driveway connections to new driveways. Cross sections will be updated to reflect survey updates. Driveway profiles will be added for new driveways. TCE requirements will be evaluated and identified for same. The proposed drainage system will be adjusted to avoid placement of drainage structures in driveways as possible. There have been driveways constructed at proposed low points. Profile adjustments will be evaluated and implemented to relocate proposed low points out of driveways if can reasonably be achieved. A special inlet detail will be developed for any inlets to be located in a driveway (one is anticipated).

The governing Standard Plans and Standard Specifications will be updated to reference the current year and applicable updates made to standard plan references, pay item references and quantities.

### **2.2.3 Signing and Pavement Marking Plans**

#### **Changed Conditions**

The signing and pavement marking plans will be updated to reflect the roadway plan changes.

### **2.2.4 Signalization Plans**

#### **Design Changes**

ITS interconnect and control cabinets will be added for the limits of roadway from Sumter Boulevard to Toledo Blade Boulevard to allow for synchronization.

A new signal will be added at the intersection of Citizens Parkway.

### **2.2.5 Lighting Plans**

#### **Changed Conditions**

The lighting plans will be updated to reflect the roadway plan changes. Light poles will be relocated if in conflict with constructed driveways.

### **2.2.6 Landscaping Plans**

No changes are anticipated.

### **2.2.7 Utility Plans**

Required adjustments to utilities will be determined once the roadway plan adjustments have been established at the 90% design phase. No adjustments to proposed utilities are included in this agreement.

### **2.2.8 Specifications**

#### **Changed Conditions**

The specifications will be updated to reflect the current specifications for projects letting in 2023. Pay items will be updated for same.

### **2.2.9 Survey**

#### **Design Changes**

Survey will be obtained at the Creighton Waterway to include the increased limits of proposed adjustments for the weir replacement.

#### **Changed Conditions**

Survey will be performed to update the previous survey where driveways have been constructed and the grading along the right of way has changed since the time of original survey. Approximately 24 lots have been developed since the time of original survey.

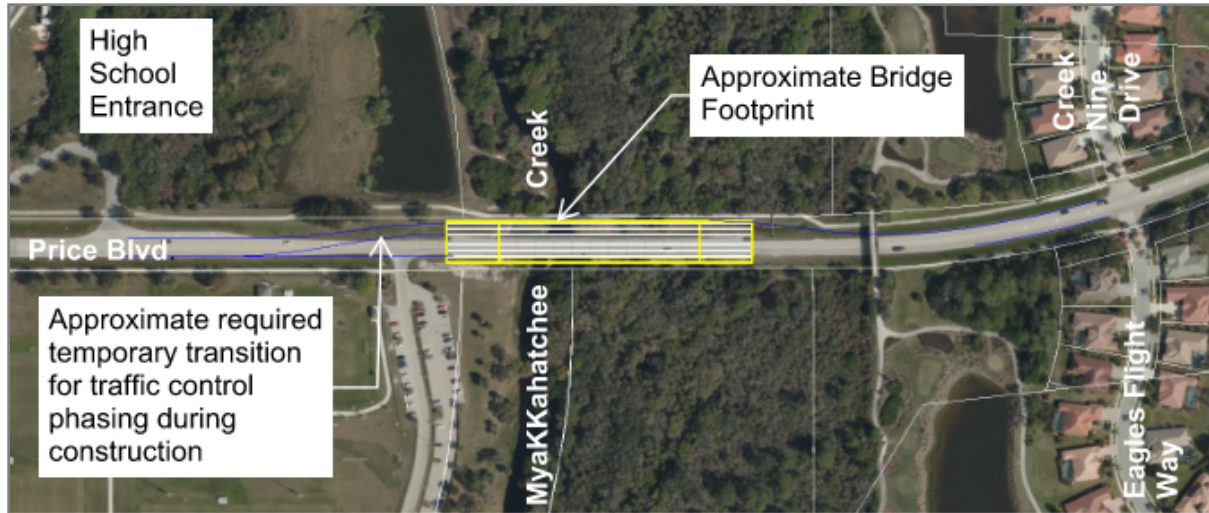
## **2.3 MYAKKAHATCHEE BRIDGE**

### **2.3.1 General Description**

The Price Blvd. two-lane bridge over the Myakkahatchee Creek, Bridge No. 175014, is to be widened or replaced to provide a four-lane bridge. Pedestrian facilities will be provided on each side of the roadway which could include utilization of the existing pedestrian bridge on the north side.

The existing two-lane roadway will be transitioned to connect to the new bridge which will continue to function as a two-lane bridge until Price Boulevard is widened. The limits of the roadway and bridge improvements will fall between the entrance to the North Port High School and the intersection with Eagles Flight Way and Creek Nine Drive. The required limits of work will be dictated by the temporary traffic control phasing since a larger shift will be required during the phased construction than will be required for the final condition.

The graphic on the following page depicts the approximate limits of work.



**Figure 2-1 Approximate Limits of Work**

### **2.3.2 Analysis**

Roadway analysis will include development of permanent and temporary horizontal and vertical geometry and will ensure the roadway meets or exceeds applicable design criteria.

Drainage analysis will be performed including bridge hydraulics evaluation, stormwater management analysis and design, and general drainage design. Acquisition of property is not currently anticipated for stormwater management.

Structural analysis will include the investigation of widening or replacement alternatives and the analysis and design of the preferred widening or replacement alternative.

### **2.3.3 Roadway Plans**

Roadway plans will be developed to connect the existing two lane roadway to the proposed bridge. The inside/median side lanes on the bridge will be utilized in the two-lane configuration since this will result in the shortest transition to connect to the existing roadway east and west of the bridge.

Phased traffic control plans will be provided as part of the roadway plan set. Temporary conditions during construction will dictate the limits of construction and will establish the limits of milling and resurfacing as well as signing and pavement marking.

### **2.3.4 Signing and Pavement Marking Plans**

Signing and Pavement Marking Plans will be developed to restripe and sign these limits of Price Blvd.

### **2.3.5 Structural Plans**

Structural Plans will be developed for the bridge widening or replacement and will include phased construction details consistent with the phased traffic control plans.

### **2.3.6 Survey**

Survey will be obtained for the limits between the entrance to the North Port High School and the intersection with Eagles Flight Way and Creek Nine Drive. This will include contacting utility owners to mark their utilities in the field and survey of the flagged utility locations.

### **2.3.7 Utility Coordination**

The design will be coordinated with utility owners. If conflicts are unavoidable then existing utilities will be adjusted to allow for construction of the bridge improvements.

### **2.3.8 Geotechnical Evaluation**

Geotechnical evaluation will be conducted for the roadway and bridge improvements and include percolation tests for potential stormwater management swales.

### **2.3.9 Environmental and Permitting**

A separate ERP will be obtained from SWFWMD and a separate section 404 Nationwide Permit will be obtained from FDEP.

The limits of proposed work will be reviewed for environmental considerations such as species and jurisdictional wetland or surface water limits. A desktop review will be performed for any known contamination issues.

## **SECTION 3 DESIGN PHASES AND SUBMITTALS**

### **3.1 CROSS DRAIN RESILIENCE IMPROVEMENTS AND PERMITTING**

#### **3.1.1 Conceptual Design**

The conceptual design phase will include ICPR V4 modeling of the proposed cross drain and weir adjustments and will include modeling of the 100 year event based on the Big Slough Watershed Model computed 100 year flood stages. Modeling of the Hurricane Ian event conditions will be performed based on high water mark observations.

Deliverables will include:

- Design memo
- Concept drawings plan and section view
- ICPR V4 Model: Nodal Diagram, Input and Results for existing and proposed conditions.

#### **3.1.2 Final Design**

The final design phase will incorporate comments from the conceptual design review and will make any updates to the ICPR modeling. Upon completion of this work it will be incorporated into the drainage design documentation report for the overall project.

Deliverables will include:

- Design memo

- Concept drawings plan and section view
- ICPR V4 Model: Nodal Diagram, Input and Results for existing and proposed conditions.

### **3.1.3 Permitting**

The permitting of the Price Boulevard Bridge over the Myakkahatchee Creek will be permitted separately. Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard permit submittals will follow two timelines.

- 1) The Section 404 permit will be submitted as soon as impacts have been determined which will coincide with the completion of the conceptual design.
- 2) SWFWMD ERP modification will be submitted once adjustments to the plans and drainage design documentation have been finalized.

## **3.2 PLANS AND SPECIFICATIONS UPDATES**

Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard phase submittals will consist of 60%, 90%, 100% and Final. Submittals will include updates incorporating comments from previous submittals and responses will be provided for phase review comments.

### **3.2.1 60% Design Phase Submittal:**

Will include Roadway and Signalization Plans components (changes to Signing and Pavement Marking and Lighting Plans components are minimal). These plan components will be substantially final but will not include final quantities.

Any required adjustments to the Utility Plans component will be determined at this time.

Plans will be sent to utility owners at this time.

Design Documentation and Other:

- Drainage design documentation report
- Mac Caughey Waterway bridge replacement alternatives memo
- Section 404 Permit Application (if not provided previously)
- SWFWMD ERP Modification

### **3.2.2 90% Design Phase Submittal:**

Will include Roadway, Signing and Pavement Marking, Signalization, Lighting and Structural Plans components. These plan components will be substantially final and will include final quantities.

Design Documentation and Other:

- Geotechnical Evaluation

### **3.2.3 100% Design Phase Submittal:**

Will include all final plans components Roadway, Signalization, Lighting, Utility, Landscape (no change), irrigation (no change), and Structural Plans components.

Design Documentation and Other:

- All documentation
- Specifications

#### **3.2.4 Final Design Phase Submittal:**

Will include all final plans components as per 100% submittal.

Design Documentation and Other:

- All documentation
- Specifications
- Approved Permits
- CADD files
- ICPR V4 files

### **3.3 MYAKKAHATCHEE BRIDGE**

Price Boulevard Myakkahatchee Creek Bridge phase submittals will consist of 30%, 60%, 90%, 100% and Final. Submittals will include updates incorporating comments from previous submittals and responses will be provided for phase review comments. Plans will be distributed to utility owners prior to 30% and at each phase submittal.

#### **3.3.1 30% Design Phase Submittal:**

Will include 30% Roadway Plan Detail as follows:

- Key Sheet
- Preliminary Drainage Map
- Plan Sheets
- Profile Sheets
- Cross Section sheets

Design Documentation and Other:

- Bridge widening or replacement alternatives memorandum

#### **3.3.2 60% Design Phase Submittal:**

Will include Roadway and Signing and Pavement Marking components. Plans will be substantially complete but will not include quantities.

Design Documentation and Other:

- Drainage Design Documentation Report
- Bridge Hydraulics Evaluation Report
- Geotechnical Evaluation

- Section 404 Permit Application (if not provided previously)
- SWFWMD ERP Application

### **3.3.3 90% Design Phase Submittal:**

Will include Roadway, Signing and Pavement Marking, and Structural Plans components. These plan components will be substantially final and will include quantities.

### **3.3.4 100% Design Phase Submittal:**

Will include the same plans components as the 90% phase submittal.

Design Documentation and Other:

- All documentation
- Specifications

### **3.3.5 Final Design Phase Submittal:**

Will include all final plans components as per 100% submittal.

Design Documentation and Other:

- All documentation
- Specifications
- Approved Permits
- CADD files
- ICPR V4 files

## **SECTION 4 MEETINGS AND COORDINATION**

Meetings and coordination will include phase review meetings, monthly progress reports, up to three City Commission Meetings, and general coordination as required over the life of the contract.

## **SECTION 5 COST PROPOSAL**

The services described herein shall be provided for a lump sum cost as follows: \$1,218,827.95. Broken down this is \$699,218.95 for changes and updates to the limits from Sumter Boulevard to Toledo Blade Boulevard and \$519,609.00 for the Bridge over Myakkahatchee Creek. A detailed estimate of work effort and sub-consultant information accompanies this proposal.

The cost proposal herein does not include costs for permit application fees to respective environmental or CITY agencies. The cost for permitting, if paid by CONSULTANT, shall be reimbursable by the CITY in full upon submittal of fees justification.



## Plans Updates/Adjustments American

**ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT**

Name of Project: Price Blvd. Supplemental Agreement No. 6

CES/American

Staff Classification	Total Staff Hours From "SH Summary -	Project Manager	Senior Engineer	Project Engineer	El ("Jr Eng.")	Designer	Senior Scientist	Junior Scientist	Chief Designer	Staff Classification 9	Staff Classification 10	SH By Activity	Salary Cost By Activity	Average Rate Per Task
3. Project General and Project Common Tasks	120	120	0	0	0	0	0	0	0	0	0	120	\$33,000	\$275.00
4. Roadway Analysis	321	48	17	96	96	64	0	0	0	0	0	321	\$53,971	\$168.13
5. Roadway Plans	196	29	10	59	59	39	0	0	0	0	0	196	\$32,872	\$167.71
6a. Drainage Analysis	288	43	15	86	86	58	0	0	0	0	0	288	\$48,360	\$167.92
6b. Drainage Plans	89	13	5	27	27	17	0	0	0	0	0	89	\$14,991	\$168.44
7. Utilities	36	5	2	11	11	7	0	0	0	0	0	36	\$6,024	\$167.33
8. Environmental Permits, and Env. Clearances	109	11	0	44	0	0	11	43	0	0	0	109	\$17,861	\$163.86
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	282	28	127	71	28	0	0	0	28	0	0	282	\$64,709	\$229.46
10. Structures - Bridge Development Report	70	4	60	0	0	0	0	0	6	0	0	70	\$18,788	\$268.40
13. Structures - Medium Span Concrete Bridge	844	42	169	127	84	0	0	0	422	0	0	844	\$175,033	\$207.39
17. Structures - Retaining Walls	228	11	91	0	46	0	0	0	80	0	0	228	\$49,134	\$215.50
18. Structures - Miscellaneous	290	15	116	0	57	0	0	0	102	0	0	290	\$62,719	\$216.27
19. Signing & Pavement Marking Analysis	42	6	2	13	13	8	0	0	0	0	0	42	\$7,014	\$167.00
20. Signing & Pavement Marking Plans	17	3	1	5	5	3	0	0	0	0	0	17	\$2,943	\$173.12
<b>Total Staff Hours</b>	2,932	378	615	539	512	196	11	43	638	0	0	2,932		
<b>Total Staff Cost</b>		\$103,950.00	\$169,125.00	\$101,332.00	\$58,368.00	\$21,756.00	\$2,178.00	\$4,386.00	\$126,324.00	\$0.00	\$0.00		\$587,419.00	\$200.35

Check = \$587,419.00

<b>SUBTOTAL ESTIMATED FEE:</b>			<b>\$587,419.00</b>
Subconsultant: FTE			\$51,385.95
Subconsultant: Cumbey & Fair			\$37,714.00
Subconsultant: Universal			\$22,700.00
<b>GRAND TOTAL ESTIMATED FEE:</b>			<b>\$699,218.95</b>

Project Activity 3: General Tasks

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1.11	Other Agency Meetings	LS	1	16	16	up to 3 City Commission meetings
<b>3.1 Public Involvement Subtotal</b>					<b>16</b>	
3.3.1	Specifications Package Preparation	LS	1	12	12	Prepare new specs. Package utilizing current FDOT workbook
3.4	Contract Maintenance and Project Documentation	LS	1	68	68	20 for initial setup + 2 per month for 18 months and 12 for close out
3.6	Prime Consultant Project Manager Meetings	LS	1	12	12	See listing below

**Project Activity 3: General Tasks**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	0	0	To be separate hourly agreement
3.9	Digital Delivery	LS	1	12	12	
<b>3. Project Common and Project General Tasks Total</b>					<b>120</b>	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	2	4	8	
Drainage	EA	4	0	0	
Utilities	EA	1	4	4	
<b>Total Project Manager Meetings</b>		11		12	Total PM Meeting Hours carries to Task 3.6 above

- Notes:**
1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
  2. Do not double count agency meetings between permitting agencies.
  3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

**Project Activity 4: Roadway Analysis**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.5	Horizontal /Vertical Master Design Files	LS	1	80	80	For plan/profile/driveway profile updates
4.8	Cross Section Design Files	LS	1	40	40	
4.9	Temporary Traffic Control Plan Analysis	LS	1	40	40	Add reconstruction of MacCaughey Waterway
4.10	Master TTCP Design Files	LS	1	32	32	Four phases at 8 hours each
4.15	Quantities for EQ Report	LS	1	40	40	For updates
4.16	Cost Estimate	LS	1	20	20	8 hours for initial update and 4 hours each for 3 future updates
<b>Roadway Analysis Technical Subtotal</b>					<b>252</b>	

**Project Activity 4: Roadway Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.19	Field Reviews	LS	1	16	16	
4.21	Technical Meetings	LS	1	12	12	Meetings are listed below
4.22	Quality Assurance/Quality Control	LS	%	5%	13	
4.24	Supervision	LS	%	5%	13	
<b>Roadway Analysis Nontechnical Subtotal</b>					<b>54</b>	
4.25	Coordination	LS	%	5%	15	
<b>4. Roadway Analysis Total</b>					<b>321</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Phase Review Meetings	EA	3	4	12	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>				<b>12</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>2</b>

Carries to 4.21

Carries to Tab 3

**Project Activity 5: Roadway Plans**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	1	2	2	Update Keysheet
5.3	General Notes/Pay Item Notes		Sheet	1	8	8	Update pay items
5.6	Profile Sheet		Sheet	1	24	24	For profile adjustments
5.7	Plan Sheet		Sheet	17	2.5	43	Update roughly half the plan sheets for driveway and drainage adjustments
5.16	Cross Sections		EA	77	0.5	39	update cross sections for revised survey and profile adjustments, assume roughly half mile of profile adjustment and not more than new 24 driveways
5.17	Temporary Traffic Control Plan Sheets		Sheet	68	0.5	34	Update TTCP sheets for Phases II, III, IV A, IV B
5.19	Temporary Traffic Control Detail Sheets		Sheet	1	28	28	For addition of MacCaughey Waterway (24) and updates to other details (4)
<b>Roadway Plans Technical Subtotal</b>						<b>178</b>	
5.26	Quality Assurance/Quality Control		LS	%	5%	9	
5.27	Supervision		LS	%	5%	9	
<b>5. Roadway Plans Total</b>						<b>196</b>	

**Project Activity 6a: Drainage Analysis**

Estimator:

Price Boulevard  
SA#6

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	1	4	4	for inlet area updates
6a.4	Design of Cross Drains	EA	4	24	96	Design of triple box culverts and modified weirs for BlueRidge, Lagoon and Creighton Waterways, and replacement bridge for MacCaughey including scour analysis at MacCaughey
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	9	4	36	ICPR Model Updates - updates to 9 basins anticipated
6a.9	Design of Storm Drains	EA	12	2	24	For adjusting inlet locations to avoid driveways
6a.13	Drainage Design Documentation Report	LS	1	40	40	To update report tables and results, and documentation for cross drain modifications
6a.14	Bridge Hydraulic Report	EA	1	16	16	Memorandum format with design clearances and scour evaluation



**Project Activity 6a: Drainage Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.15	Temporary Drainage Analysis	LS	1	4	4	For TTCP phasing
6a.16	Quantities for EQ Report	Drainage Structures	12	Calculated Hours	8	
		Phase 2 Submittal		8		
<b>Drainage Analysis Technical Subtotal</b>					<b>228</b>	
6a.27	Quality Assurance/Quality Control	LS	%	5%	11	
6a.29	Supervision	LS	%	5%	11	
<b>Drainage Analysis Nontechnical Subtotal</b>					<b>46</b>	
6a.30	Coordination	LS	%	5%	14	
<b>6a. Drainage Analysis Total</b>					<b>288</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Agency	EA	2	4	8			2
Local Governments (cities, counties)	EA	2	4	8			2
<b>Subtotal Technical Meetings</b>				<b>16</b>			4
Phase Review Meetings	EA	2	4	8	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>		--
<b>Total Meetings</b>				<b>24</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>4</b>

Carries to 6a.25

Carries to Tab 3

6b. Drainage Plans

Estimator: <b>6b. Drainage Plans Staff Hours</b> <span style="float: right;">Price Boulevard SA#6</span>									
Representing		Print Name						Signature / Date	
FDOT District									
Consultant Name									
<i>NOTE: Signature Block is optional, per District preference</i>									
Task No.	Task	Project Parameter			Staff Hours				Documentation
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated	Provide documentation when negotiated hours differ from the calculated hours.
6b.1	Drainage Map (Including Interchanges)	Length (Miles)	3.00	Mid Range	72	0	0	16	
6b.2	Bridge Hydraulics Recommendation Sheets	Bridges	1		32	0	0	32	
6b.3	Drainage Structures	Drainage Structures	12		27	0	0	27	
		Details	1						
6b.4	Lateral Ditches	Ditches	0	Standard	0	0	0	0	
			0	Complex					
		Cross Section Alignments	0						
6b.5	Retention/Detention/Floodplain Compensation Ponds	Ponds	0	Standard	0	0	0	0	
			0	Complex					
		Cross Section Alignments	0						
6b.6	Erosion Control Plan	Length (Miles)	0.00		0	0	0	0	
6b.7	SWPPP				0	0	0	0	
<b>Drainage Plans Technical Subtotal</b>					<b>131</b>	<b>0</b>	<b>0</b>	<b>75</b>	
6b.8	Quality Assurance/Quality Control	%	7%		10	0	0	10	
6b.9	Supervision	%	5%		7	0	0	4	
<b>6. Drainage Plans Total</b>					<b>148</b>	<b>0</b>	<b>0</b>	<b>89</b>	

**Project Activity 7: Utilities**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.3	Make Utility Contacts	LS	1	4	4	
7.9	Utility Design Meeting	LS	1	4	4	
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	8	8	
7.11	Utility Coordination/Followup	LS	1	8	8	
7.15	Contract Plans to UAO(s)	LS	1	4	4	
7.16	Certification/Close-Out	LS	1	8	8	
<b>7. Utilities Total</b>					<b>36</b>	

**Project Activity 8: Environmental Permits**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Environmental Permits and Environmental Clearances</b>						
<b>Permits</b>						
8.4	<b>Complete And Submit All Required Permit Applications</b>					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	80	80	Section 404 Nationwide Permit either through FDEP or USACOE, and modify ERP
<b>Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal</b>					<b>80</b>	
8.18	Technical Meetings	LS	1	16	16	Meetings are listed below
8.19	Quality Assurance/Quality Control	LS	%	5%	4	
8.20	Supervision	LS	%	5%	4	
<b>Environmental Permits and Environmental Clearances Nontechnical Subtotal</b>					<b>24</b>	
8.21	Coordination	LS	%	5%	5	
<b>8. Environmental Permits and Environmental Clearances Total</b>					<b>109</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	2	4	8			2
FDEP	EA	2	4	8			0
<b>Total Meetings</b>				<b>16</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>4</b>

Carries to 8.18

Carries to Tab 3

**Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings**

Estimator: Renee Reader

Price Boulevard  
SA#6

Task No.	Task	Units	Design and Production Staffhours				Comments				
			No. of Units	Hours per Unit	No. of Sheets	Total					
<b>General Drawings</b>											
9.1	Key Sheet and Index of Drawings	Sheet	1	6	1	6	Single Bridge				
9.3	General Notes and Bid Item Notes	Sheet	1	16	1	16					
9.4	Miscellaneous Common Details	Sheet	0	0	0	0					
9.5	Incorporate Report of Core Borings	Sheet	1	1	1	1	Single Bridge				
9.6	Standard Plans- Bridges	LS	1	2		2	Single Bridge				
9.7	Existing Bridge Plans	LS	1	0		0					
9.8	Quantities for EQ Report	LS	1	28		28					
9.9	Cost Estimate	LS	1	8		8					
9.10'	Technical Special Provisions and Modified Special Provisions	LS	1	0		0					
<b>Structures - Summary and Miscellaneous Tasks and Drawings</b>					3	61					
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16	Bridge 1	914	70	0	0	844	0	0	0		
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									
10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									
10-16	Bridge 10	0									

**Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings**

17	Retaining Walls	228								228	
18	Miscellaneous Structures	290									290
<b>Structures Technical Subtotal</b>		1432	70	0	0	844	0	0	0	228	290
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments					
9.11	Field Reviews	LS	1	6	6						
9.12	Technical Meetings	LS	1	24	24	Meetings are listed below					
9.13	Quality Assurance/Quality Control	LS	%	7%	105						
9.14	Independent Peer Review	LS	1	0	0						
9.15	Supervision	LS	%	5%	75						
<b>Structures Nontechnical Subtotal</b>					210						
9.16	Coordination	LS	1	5%	11						
<b>9. Structures - Summary and Miscellaneous Tasks and Drawings</b>					282						

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0			0
90/100% Comment Review	EA	0	0	0			0
Aesthetics Coordination	EA	0	0	0			0
Regulatory Agency	EA	0	0	0			0
Local Governments (cities, counties)	EA	0	0	0			0
Utility Companies	EA	0	0	0			0
Other Meetings	EA	3	4	12	drainage, utility, geotechnical		0
<b>Subtotal Technical Meetings</b>				<b>12</b>			<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	3	4	12	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>				<b>24</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>0</b>

Carries to 9.12

Carries to Tab 3

**Project Activity 10: BDR**

Estimator:  
 Bridge Identifier (Number or Name):

Price Boulevard  
 SA#6

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>General Requirement</b>							
10.1	Bridge Geometry	LS	1	20		20	FIB (Bridge Length, horizontal & vertical clearances)
<b>Superstructure Alternatives</b>							
10.5	Medium Span Concrete Bridge	EA ALT	1	8		8	FIB (Final Bridge configuration cost comparison only)
<b>Foundation &amp; Substructure Alternatives</b>							
10.8	Pier/Bent	EA Type	1	6		6	FIB (Final Bridge configuration cost comparison only)

**Project Activity 10: BDR**

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Other BDR Issues</b>							
10.28	Quantity and Cost Estimates	EA ALT	1	4		4	Cost comparison
<b>Report Preparation</b>							
10.31	Exhibits	EA SHEET	2	8		16	Elevation (1) of FIB Replacement, Typical (1)
10.33	Report Preparation	LS	1	16		16	2 Page (Bridge Technical memo)
<b>10. Structures - Bridge Development Report Total</b>						<b>70</b>	
<b>When ONLY 30% plans are final deliverable, use Task Nos. as shown for applicable bridge types for project Activities 12 thru 16. Staffhours to be negotiated and scaled appropriately.</b>							



**Project Activity 13: Structures- Medium Span Concrete**

Estimator:

Price Boulevard

Bridge Identifier (Number or Name):

SA#6

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>General Layout Design and Plans</b>							
13.1	Overall Bridge Final Geometry	LS	1	48		48	Assumed single span FIB with CIP deck bridge (limited Preliminary design)
13.2	Expansion/Contraction Analysis	EA Unit	2	4		8	
13.3	General Plan and Elevation	Sheet	1	40	1	40	
13.4	Construction Staging	Sheet	2	32	2	64	3 or more phases (not evaluated in Bridge Technical Memo)
13.5	Approach Slab Plan and Details	Sheet	2	20	2	40	Layout + Standard Table (Phased construction requires special details)
13.6	Miscellaneous Details	Sheet	4	9	4	36	(2) Slope protection details -10hrs / (1) Expansion Joint Details -8hrs / (1)Load Rating -8hrs
<b>End Bent Design and Plans</b>							
13.7	End Bent Geometry	EA End Bent	2	8		16	
13.8	Wingwall Design and Geometry	EA End Bent	2	10		20	Mid range - normal straight
13.9	End Bent Structural Design	EA Design	2	32		64	beam over pile (limited Preliminary design)
13.10	End Bent Plan and Elevation	Sheet	2	20	2	40	
13.11	End Bent Details	Sheet	2	20	2	40	Endbent Sections (1), Wingwall/cap Details (assuming no skew - mid range similar wing walls) (1)
<b>Miscellaneous Substructure Design and Plans</b>							
13.22	Foundation Layout	Sheet	2	20	2	40	Plan view (1) Data Table (1)
<b>Superstructure Deck Design and Plans</b>							
13.23	Finish Grade Elevation (FGE) Calculation	LS	1	20		20	Single span - low range
13.24	Finish Grade Elevations	Sheet	2	16	2	32	Plan view (1) single span to represent all, typicals & table (1)
13.25	Bridge Deck Design	EA Section	1	12		12	single bridge (normal, parallel, empirical method)
13.26	Bridge Deck Reinforcing and Concrete Quantities	EA Unit	1	12		12	normal, parallel beams
13.27	Diaphragm Design	EA Section	0	0		0	
13.28	Superstructure Plan	Sheet	1	24	1	24	
13.29	Superstructure Section	Sheet	1	20	1	20	Typical section (1)
13.30	Miscellaneous Superstructure Details	Sheet	4	24	4	96	Expansion, Thickened End Slab, SIP forms (2), Sidewalk Details (1), wind Bracing Details (1)
<b>Reinforcing Bar Lists</b>							
13.3	Preparation of Reinforcing Bar List	Sheet	2	8	2	16	

**Project Activity 13: Structures- Medium Span Concrete**

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Simple Span Concrete Design</b>							
13.49	Prestressed Beam	EA Design	2	10		20	Parallel same length beams (interior/exterior)
13.50	Prestressed Beam Schedules	Sheet	2	32	2	64	Table of beam variables/debonging sequence (1), buildup/bearings (1)
13.51	Framing Plan	Sheet	1	20	1	20	
<b>Beam Stability</b>							
13.52	Beam/girder stability	EA Unit	1	12		12	
<b>Load Rating</b>							
13.55	Load Ratings	Per Beam	2	20		40	Single span - Interior/Exterior Beam (not evaluated in Bridge Technical Memo)
<b>13. Structures - Medium Span Concrete Bridge Total</b>					<b>28</b>	<b>844</b>	

Project Activity 17: Retaining Walls

Estimator:

Price Boulevard  
SA#6

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Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
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**Project Activity 17: Retaining Walls**

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Other Retaining Walls and Bulkheads</b>							
17.17	Design	EA Design	4	12		48	2 wall designs and 2 adjustments (assuming cantilevered concrete sheep pile)
17.18	Vertical Wall Geometry	EA Wall	3	28		84	Variable deviations from alignment
17.19	General Notes, Tables and Misc. Details	Sheet	2	16	2	32	if previously design wier layouts does not change
17.20	Wall Plan and Elevations	Sheet	2	16	2	32	if previously design wier layouts does not change
17.21	Details	Sheet	2	16	2	32	if previously design wier layouts does not change
<b>17. Structures - Retaining Walls Total</b>					<b>6</b>	<b>228</b>	

**Project Activity 18: Miscellaneous Structures**

Estimator:

Price Boulevard  
SA#6

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Concrete Box Culvert</b>							
18.1	Concrete Box Culverts	EA	3	50		150	Phased construction (All 3 culverts), pipe openings (2 culverts)
18.2	Concrete Box Culverts Extensions	EA Extension	0	0		0	
18.3	Concrete Box Culvert Data Table Plan Sheets	Sheet	8	8	8	64	data table (2) - rebar lists (6)
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	1	16	1	16	detail of pipe openings
<b>Mast Arms</b>							
18.9	Mast Arms	EA Design	4	14		56	
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	4	1	4	
<b>18. Structures - Miscellaneous Total</b>					<b>10</b>	<b>290</b>	

**Project Activity 19: Signing and Pavement Marking Analysis**

Estimator:

Price Boulevard  
SA#6

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
19.3	Signing and Pavement Marking Master Design File	LS	1	8	8	
19.7	Quantities for EQ Report	LS	1	24	24	
19.8	Cost Estimate	LS	1	4	4	
<b>Signing and Pavement Marking Analysis Technical Subtotal</b>					<b>36</b>	
19.13	Quality Assurance/Quality Control	LS	%	5%	2	
19.15	Supervision	LS	%	5%	2	
<b>Signing and Pavement Marking Analysis Nontechnical Subtotal</b>					<b>4</b>	
19.16	Coordination	LS	%	5%	2	
<b>19. Signing and Pavement Marking Analysis Total</b>					<b>42</b>	

**Project Activity 20: Signing and Pavement Marking Plans**

Estimator:

Price Boulevard  
SA#6

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.4	Plan Sheet		Sheet	15	1	15	15	
<b>Signing and Pavement Marking Plans Technical Subtotal</b>						<b>15</b>	<b>15</b>	
20.12	Quality Assurance/Quality Control		LS	%	5%		1	
20.13	Supervision		LS	%	5%		1	
<b>20. Signing and Pavement Marking Plans Total</b>						<b>15</b>	<b>17</b>	

# Bridge over Myakkahatchee Creek American



**ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT**

Name of Project: Price Blvd. Supplemental Agreement No. 6

CES/American

Staff Classification	Total Staff Hours From "SH Summary -	Project Manager	Senior Engineer	Project Engineer	El ("Jr Eng.")	Designer	Senior Scientist	Junior Scientist	Chief Designer	Staff Classification 9	Staff Classification 10	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$275.00	\$275.00	\$188.00	\$114.00	\$111.00	\$196.00	\$102.00	\$198.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	36	36	0	0	0	0	0	0	0	0	0	36	\$9,900	\$275.00
4. Roadway Analysis	313	47	16	94	94	63	0	0	0	0	0	314	\$52,706	\$167.85
5. Roadway Plans	147	22	7	44	44	29	0	0	0	0	0	146	\$24,482	\$167.68
6a. Drainage Analysis	498	75	25	149	149	100	0	0	0	0	0	498	\$83,598	\$167.87
6b. Drainage Plans	96	14	5	29	29	18	0	0	0	0	0	95	\$15,981	\$168.22
7. Utilities	36	5	2	11	11	7	0	0	0	0	0	36	\$6,024	\$167.33
8. Environmental Permits, and Env. Clearances	141	14	0	56	0	0	14	56	0	0	0	140	\$22,834	\$163.10
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	196	20	88	49	20	0	0	0	20	0	0	197	\$45,152	\$229.20
10. Structures - Bridge Development Report	66	3	56	0	0	0	0	0	7	0	0	66	\$17,611	\$266.83
12. Structures - Short Span Concrete Bridge	866	43	173	130	87	0	0	0	433	0	0	866	\$179,492	\$207.27
19. Signing & Pavement Marking Analysis	81	12	4	24	24	16	0	0	0	0	0	80	\$13,424	\$167.80
20. Signing & Pavement Marking Plans	28	4	1	8	8	6	0	0	0	0	0	27	\$4,457	\$165.07
<b>Total Staff Hours</b>	2,504	295	377	594	466	239	14	56	460	0	0	2,501		
<b>Total Staff Cost</b>		\$81,125.00	\$103,675.00	\$111,672.00	\$53,124.00	\$26,529.00	\$2,744.00	\$5,712.00	\$91,080.00	\$0.00	\$0.00		<b>\$475,661.00</b>	<b>\$190.19</b>

Check = \$475,661.00

<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$475,661.00</b>
Subconsultant: Cumbey & Fair		\$19,998.00
Subconsultant: Universal		\$23,950.00
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$519,609.00</b>

Project Activity 3: General Tasks

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1.11	Other Agency Meetings	LS	1	0	0	
<b>3.1 Public Involvement Subtotal</b>					<b>0</b>	
3.3.1	Specifications Package Preparation	LS	1	12	12	Prepare specs. Package utilizing current FDOT workbook
3.4	Contract Maintenance and Project Documentation	LS	1	0	0	performed under other component
3.6	Prime Consultant Project Manager Meetings	LS	1	12	12	See listing below

**Project Activity 3: General Tasks**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	0	0	To be separate hourly agreement
3.9	Digital Delivery	LS	1	12	12	
<b>3. Project Common and Project General Tasks Total</b>					<b>36</b>	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	2	4	8	
Drainage	EA	4	0	0	
Utilities	EA	1	4	4	
<b>Total Project Manager Meetings</b>		11		12	Total PM Meeting Hours carries to Task 3.6 above

- Notes:**
1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
  2. Do not double count agency meetings between permitting agencies.
  3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

**Project Activity 4: Roadway Analysis**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.5	Horizontal /Vertical Master Design Files	LS	1	90	90	0.25 miles
4.8	Cross Section Design Files	LS	1	36	36	
4.9	Temporary Traffic Control Plan Analysis	LS	1	40	40	
4.10	Master TTCP Design Files	LS	1	32	32	Four phases at 8 hours each
4.15	Quantities for EQ Report	LS	1	20	20	
4.16	Cost Estimate	LS	1	24	24	8 hours for initial and 4 hours each for 4 future updates
<b>Roadway Analysis Technical Subtotal</b>					<b>242</b>	

**Project Activity 4: Roadway Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.19	Field Reviews	LS	1	16	16	
4.21	Technical Meetings	LS	1	16	16	Meetings are listed below
4.22	Quality Assurance/Quality Control	LS	%	5%	12	
4.24	Supervision	LS	%	5%	12	
<b>Roadway Analysis Nontechnical Subtotal</b>					<b>56</b>	
4.25	Coordination	LS	%	5%	15	
<b>4. Roadway Analysis Total</b>					<b>313</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Phase Review Meetings	EA	4	4	16	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>				<b>16</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>2</b>

Carries to 4.21

Carries to Tab 3

**Project Activity 5: Roadway Plans**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	1	10	10	
5.2	Typical Section Sheets						
5.2.1	Typical Sections		EA	2	8	16	
5.2.2	Typical Section Details		EA	1	8	8	
5.3	General Notes/Pay Item Notes		Sheet	1	12	12	
5.6	Profile Sheet	40	Sheet	2	6	12	
5.7	Plan Sheet	40	Sheet	3	6	18	
5.16	Cross Sections		EA	10	0.5	5	
5.17	Temporary Traffic Control Plan Sheets		Sheet	12	3	36	4 phases x 3 sheets
5.19	Temporary Traffic Control Detail Sheets		Sheet	2	8	16	
<b>Roadway Plans Technical Subtotal</b>						<b>133</b>	
5.26	Quality Assurance/Quality Control		LS	%	5%	7	
5.27	Supervision		LS	%	5%	7	
<b>5. Roadway Plans Total</b>						<b>147</b>	

**Project Activity 6a: Drainage Analysis**

Estimator:

Price Boulevard  
SA#6

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	1	4	4	for inlet area updates
6a.5	Design of Ditches	Per Ditch Mile	1	6	6	
6a.7	Design of Stormwater Management Facility (Roadside Treatment Swales and Linear Ponds)	Per Cell	2	16	32	
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	1	40	40	
6a.9	Design of Storm Drains	EA	12	3	36	
6a.13	Drainage Design Documentation Report	LS	1	40	40	To update report tables and results, and documentation for cross drain modifications
6a.14	Bridge Hydraulic Report	EA	1	180	180	Bridge Hydraulic Report Including No-Rise Certification for Floodway

**Project Activity 6a: Drainage Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.15	Temporary Drainage Analysis	LS	1	4	4	For TTCP phasing
6a.16	Quantities for EQ Report	Drainage Structures	12	Calculated Hours 8	8	
		Phase 2 Submittal				
6a.17	Cost Estimate	LS	1	8	8	
6a.20	Existing Permit Analysis	LS	1	0	0	
6a.23	Erosion Control Plan	Per Mile	0	0	0	
<b>Drainage Analysis Technical Subtotal</b>					<b>394</b>	
6a.24	Field Reviews	LS	1	8	8	
6a.25	Technical Meetings	LS	1	32	32	Meetings are listed below
6a.26	Environmental Look-Around (ELA) Meeting	LS	1	0	0	
6a.27	Quality Assurance/Quality Control	LS	%	5%	20	
6a.28	Independent Peer Review	LS	%	0%	0	
6a.29	Supervision	LS	%	5%	20	
<b>Drainage Analysis Nontechnical Subtotal</b>					<b>80</b>	
6a.30	Coordination	LS	%	5%	24	
<b>6a. Drainage Analysis Total</b>					<b>498</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Agency	EA	2	4	8			2
Local Governments (cities, counties)	EA	2	4	8			2
<b>Subtotal Technical Meetings</b>				<b>16</b>			<b>4</b>
Phase Review Meetings	EA	4	4	16	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>		--
<b>Total Meetings</b>				<b>32</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>4</b>

Carries to 6a.25

Carries to Tab 3



6b. Drainage Plans

Estimator: <b>6b. Drainage Plans Staff Hours</b> <span style="float: right;">Price Boulevard SA#6</span>									
Representing		Print Name						Signature / Date	
FDOT District									
Consultant Name									
<i>NOTE: Signature Block is optional, per District preference</i>									
Task No.	Task	Project Parameter			Staff Hours				Documentation
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated	Provide documentation when negotiated hours differ from the calculated hours.
6b.1	Drainage Map (Including Interchanges)	Length (Miles)	0.50	Mid Range	12	0	0	12	
6b.2	Bridge Hydraulics Recommendation Sheets	Bridges	1		32	0	0	32	
6b.3	Drainage Structures	Drainage Structures	12		30	0	0	30	
		Details	2						
6b.4	Lateral Ditches	Ditches	0	Standard	0	0	0	0	
			0	Complex					
		Cross Section Alignments	0						
6b.5	Retention/Detention/Floodplain Compensation Ponds	Ponds	0	Standard	0	0	0	0	
			0	Complex					
		Cross Section Alignments	0						
6b.6	Erosion Control Plan	Length (Miles)	0.25	Mid Range	1	0	0	1	
6b.7	SWPPP		Yes	Standard	6	0	0	6	
<b>Drainage Plans Technical Subtotal</b>					<b>81</b>	<b>0</b>	<b>0</b>	<b>81</b>	
6b.8	Quality Assurance/Quality Control	%	5%		10	0	0	10	
6b.9	Supervision	%	5%		5	0	0	5	
<b>6. Drainage Plans Total</b>					<b>96</b>	<b>0</b>	<b>0</b>	<b>96</b>	

**Project Activity 7: Utilities**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.3	Make Utility Contacts	LS	1	4	4	
7.9	Utility Design Meeting	LS	1	4	4	
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	8	8	
7.11	Utility Coordination/Followup	LS	1	8	8	
7.15	Contract Plans to UAO(s)	LS	1	4	4	
7.16	Certification/Close-Out	LS	1	8	8	
<b>7. Utilities Total</b>					<b>36</b>	

**Project Activity 8: Environmental Permits**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Environmental Permits and Environmental Clearances</b>						
8.1	Preliminary Project Research	LS	1	4	4	
<b>Permits</b>						
8.2	<b>Field Work</b>					
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	12	12	
8.2.3	Species Surveys	LS	1	4	4	
8.3	Agency Verification of Wetland Data	LS	1	4	4	
8.4	<b>Complete And Submit All Required Permit Applications</b>					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	80	80	Section 404 Nationwide Permit either through FDEP or USACOE, and ERP
8.5	Coordinate and Review Dredge and Fill Sketches	LS	1	4	4	
8.6	<b>Complete and Submit Documentation for Coordination and/or USCG Permit Application</b>					
<b>Environmental Clearances/Reevaluations</b>						
<b>Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal</b>					<b>108</b>	
8.18	Technical Meetings	LS	1	16	16	Meetings are listed below
8.19	Quality Assurance/Quality Control	LS	%	5%	5	
8.20	Supervision	LS	%	5%	5	
<b>Environmental Permits and Environmental Clearances Nontechnical Subtotal</b>					<b>26</b>	
8.21	Coordination	LS	%	5%	7	
<b>8. Environmental Permits and Environmental Clearances Total</b>					<b>141</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	2	4	8			2
FDEP	EA	2	4	8			0
<b>Total Meetings</b>				<b>16</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>4</b>

Carries to 8.18

Carries to Tab 3

**Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings**

Estimator: Renee Reader

Price Boulevard  
SA#6

Task No.	Task	Units	Design and Production Staffhours				Comments					
			No. of Units	Hours per Unit	No. of Sheets	Total						
<b>General Drawings</b>												
9.1	Key Sheet and Index of Drawings	Sheet	1	6	1	6	Single Bridge					
9.3	General Notes and Bid Item Notes	Sheet	1	16	1	16						
9.5	Incorporate Report of Core Borings	Sheet	1	1	1	1	Single Bridge					
9.6	Standard Plans- Bridges	LS	1	2		2	Single Bridge					
9.8	Quantites for EQ Report	LS	1	16		16						
9.9	Cost Estimate	LS	1	6		6						
<b>Structures - Summary and Miscellaneous Tasks and Drawings</b>						3	47					
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18	
10-16	Bridge 1	932	66	0	866	0	0	0	0			
<b>Structures Technical Subtotal</b>		932	66	0	866	0	0	0	0	0	0	
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments						
9.12	Technical Meetings	LS	1	24	24	Meetings are listed below						
9.13	Quality Assurance/Quality Control	LS	%	7%	69							
9.15	Supervision	LS	%	5%	49							
<b>Structures Nontechnical Subtotal</b>					142							
9.16	Coordination	LS	1	5%	7							
<b>9. Structures - Summary and Miscellaneous Tasks and Drawings</b>					196							

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Other Meetings	EA	3	4	12	drainage,utility, geotechnical		0

**Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings**

<b>Subtotal Technical Meetings</b>				<b>12</b>						<b>0</b>
Phase Review Meetings	EA	3	4	12	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>					--
<b>Total Meetings</b>				<b>24</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>					<b>0</b>

Carries to 9.12

Carries to Tab 3

**Project Activity 10: BDR**

Estimator:  
 Bridge Identifier (Number or Name):

Price Boulevard  
 SA#6

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>General Requirement</b>							
10.1	Bridge Geometry	LS	1	6		6	widening / CIP / PSU / FIB (Bridge Length/Span Lengths)
<b>Superstructure Alternatives</b>							
10.4	Short Span Concrete Bridge	EA ALT	3	3		9	Widening / CIP / PSU (Final Bridge configuration cost comparison only)
10.5	Medium Span Concrete Bridge	EA ALT	1	3		3	FIB (Final Bridge configuration cost comparison only)
<b>Foundation &amp; Substructure Alternatives</b>							
10.8	Pier/Bent	EA Type	4	2		8	(Final Bridge configuration cost comparison only)

**Project Activity 10: BDR**

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Other BDR Issues</b>							
10.27	Load Rating for damaged/widened structures	EA Unit	1	4		4	Review inspection report
10.28	Quantity and Cost Estimates	EA ALT	1	4		4	Cost comparison
<b>Report Preparation</b>							
10.31	Exhibits	EA SHEET	2	8		16	Typical Section (1), Elevation (1) of chosen alternative
10.33	Report Preparation	LS	1	16		16	2 Page (Bridge Technical memo)
<b>10. Structures - Bridge Development Report Total</b>						<b>66</b>	

## Project Activity 12: Structures- Short Span Concrete

Estimator: Renee Reader  
 Bridge Identifier (Number or Name): 175014

Price Boulevard  
 SA#6

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>General Layout Design and Plans</b>							
12.1	Overall Bridge Final Geometry	LS	1	20		20	Assumed PSU (Phased Construction) 12 spans
12.2	Expansion/Contraction Analysis	EA Unit	3	4		12	
12.3	General Plan and Elevation	Sheet	1	36	1	36	
12.4	Construction Staging	Sheet	2	24	2	48	3 or more phases
12.5	Approach Slab Plan and Details	Sheet	2	20	2	40	Layout + Standard Table (Phased construction requires special details)
12.6	Miscellaneous Details	Sheet	5	8	5	40	(3) Slope protection details -10hrs / (1) Expansion Joint Details -8hrs / (1) Load Rating -4hrs
<b>End Bent Design and Plans</b>							
12.7	End Bent Geometry	EA End Bent	2	8		16	
12.8	End Bent Structural Design	EA Design	1	30		30	Staad analysis for loads (2 similar endbents)
12.9	End Bent Plan and Elevation	Sheet	2	16	2	32	
12.10	End Bent Details	Sheet	2	12	2	24	Endbent Sections (1), Wingwall/cap Details (assuming no skew) (1)
<b>Intermediate Bent Design and Plans</b>							
12.11	Bent Geometry	EA Bent	11	4		44	11 intermediate bents
12.12	Bent Stability Analysis	EA Analysis	1	16		16	Scour Analysis - I design for all bents
12.13	Bent Structural Design	EA Design	1	36		36	1 design for all bent with worst case parameters
12.14	Bent Plan and Elevation	Sheet	1	24	1	24	11 intermediate bents (1 bent details/ tables for dimensions)
12.15	Bent Details	Sheet	2	12	2	24	Cross sections (1) Tables (1)



Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Miscellaneous Substructure Design and Plans</b>							
12.16	Foundation Layout	Sheet	2	16	2	32	Plan view (1) Data Table (1)
<b>Miscellaneous Superstructure Design and Plans</b>							
12.17	Finish Grade Elevation Calculation	LS	1	32		32	multiple spans/ staad analysis needed for design
12.18	Finish Grade Elevations	Sheet	4	12	4	48	Plan view (1) single span to represent all, typical (1), Tables (2)
<b>Prestressed Slab Unit Bridges</b>							
12.22	Prestressed Slab Unit Design	EA Design	6	30		180	
12.23	Prestressed Slab Unit Layout	Sheet	2	16	2	32	
12.24	Prestressed Slab Unit Details and Schedule	Sheet	1	32	1	32	
12.25	Deck Topping Reinforcing Layout	Sheet	1	12	1	12	
12.26	Superstructure Sections and Details	Sheet	1	16	1	16	
<b>Reinforcing Bar List</b>							
12.27	Preparation of Reinforcing Bar List	Sheet	2	10	2	20	
<b>Load Rating</b>							
12.28	Load Ratings	EA Unit	1	20		20	
<b>12. Structures - Short Span Concrete Bridge Total</b>					<b>30</b>	<b>866</b>	

**Project Activity 19: Signing and Pavement Marking Analysis**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
19.3	Signing and Pavement Marking Master Design File	LS	1	55	55	
19.7	Quantities for EQ Report	LS	1	8	8	
19.8	Cost Estimate	LS	1	4	4	
<b>Signing and Pavement Marking Analysis Technical Subtotal</b>					<b>67</b>	
19.11	Field Reviews	LS	1	4	4	
19.13	Quality Assurance/Quality Control	LS	%	5%	3	
19.15	Supervision	LS	%	5%	3	
<b>Signing and Pavement Marking Analysis Nontechnical Subtotal</b>					<b>10</b>	
19.16	Coordination	LS	%	5%	4	
<b>19. Signing and Pavement Marking Analysis Total</b>					<b>81</b>	

**Project Activity 20: Signing and Pavement Marking Plans**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	1	4	1	4	
20.2	General Notes/Pay Item Notes		Sheet	1	4	1	4	
20.4	Plan Sheet		Sheet	3	6	3	18	
<b>Signing and Pavement Marking Plans Technical Subtotal</b>						<b>5</b>	<b>26</b>	
20.12	Quality Assurance/Quality Control		LS	%	5%		1	
20.13	Supervision		LS	%	5%		1	
<b>20. Signing and Pavement Marking Plans Total</b>						<b>5</b>	<b>28</b>	

## Sub-consultant Information

## **Exhibit A**

### **Scope of Services**

#### **Widening of Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard**

#### **Florida Transportation Engineering, Inc. (FTE) (Updated 11.22.2022)**

##### Signalization

The CONSULTANT is required to update the design for the signalization to include connectivity of the traffic signals from Sumter Boulevard to Toledo Blade Boulevard.

The design and analyses are to follow the current signalization communication design criteria per the FDOT Design Manual, and County standards.

The CONSULTANT is required to conduct a field review and inventory of the signal cabinets at Sumter and at Toledo Blade. The analysis is to determine the capability of the cabinet to accommodate communication between intersections.

The CONSULTANT is required to update the signalization plans set including: key sheet, tabulation of quantities, general and pay item notes, plan sheets, and special details.

##### Fire Station

The CONSULTANT is required to design a new traffic signal as an emergency preemption signal at the intersection with Citizens Parkway. The traffic signal controller and emergency vehicle preemption system is to be compatible with the City of North Port system. The CONSULTANT will coordinate with the fire station as to the type of preemption activation. The intersection serves two approaches on Price Boulevard and one approach on Citizens Parkway. One mast arm is proposed for each approach. The structural analysis of the mast arms and drilled shafts will include: a loading for the signal head preemption, and a loading for a future full signalization.

Mast arm and drilled shaft designs for the signal are to be provided by the Structural CONSULTANT. SUE and geotechnical services to be provided by the respective CONSULTANT.

##### Highway Lighting

The CONSULTANT is required to update the design for the highway lighting due to new construction of driveways and utilities within the project limits. The design and analyses are to follow the current lighting design criteria per the FDOT Design Manual.

The CONSULTANT is required to conduct a field review and update the lighting photometric analysis. The analysis is to include updated voltage drop calculations and load analysis calculations for the affected branch circuits.

The CONSULTANT is required to update the lighting plans set including: key sheet, tabulation of quantities, general and pay item notes, pole data and legend, service point, service point details, plan sheets, and special details.

Structural and special foundation designs for the light poles are to be provided by the Structural CONSULTANT.

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: PriceBlvd Widening - SA Lighting  
 County: North Port  
 FPN:  
 FAP No.:

Consultant Name: FTE  
 Consultant No.: enter consultants proj. number  
 Date: 11/22/2022  
 Estimator: FTE

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr Engineer	Project Engineer	Designer	Technician	Clerical	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$201.24	\$201.24	\$137.05	\$121.75	\$60.37	\$68.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	207	14	14	52	104	10	12	0	0	0	0	0	0	206	\$26,852	\$130.35
22. Signalization Plans	60	4	4	12	36	0	4	0	0	0	0	0	0	60	\$7,913	\$131.88
23. Lighting Analysis	95	7	7	24	48	5	6	0	0	0	0	0	0	97	\$12,665	\$130.57
24. Lighting Plans	30	2	2	6	18	0	2	0	0	0	0	0	0	30	\$3,956	\$131.88
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	392	27	27	94	206	15	24	0	0	0	0	0	0	393		
<b>Total Staff Cost</b>		\$5,433.48	\$5,433.48	\$12,882.70	\$25,080.50	\$905.55	\$1,650.24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$51,385.95	\$130.75

Check = \$51,385.95

SALARY RELATED COSTS:		\$51,385.95
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$51,385.95</b>
Survey (Field)	0 4-man crew da \$ - / day	\$0.00
Geotechnical Field and Lab Testing		\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$51,385.95</b>
Optional Services		\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$51,385.95</b>

Notes:  
 1. This sheet to be used by Subconsultant to calculate its fee.

**Project Activity 21: Signalization Analysis**

Estimator: O.Rodrigues

PriceBlvd Widening - SA Lighting

Representing	Print Name	Signature / Date
North Port		
FTE	Oliver Remy Rodrigues	

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	N/A
21.2	Traffic Data Analysis	LS	1	21	21	Evaluate and prepare a communication system for the signals from Sumter to Toledo Blade. 5 intersections @3hrs = [15hrs]. Determine preemption phasing and timing at fire station = [6hrs]
21.3	Access Management	LS	1	0	0	N/A
21.4	System Timings	LS	1	0	0	N/A
21.5	Reference and Master Signalization Design File	PI	1	38	38	Emergency preemption signal w/ mast arms. [38hrs]
21.6	Reference and Master Interconnect Communication Design File	LS	1	30	30	Include cabinet equipment for communication from Sumter to Toledo Blade. 5 intersections @ 6hrs = [30hrs]
21.7	Overhead Street Name Sign Design	EA	2	2	4	Price Blvd; Citizens Pkwy 2 @2hrs = [4hrs]
21.8	Pole Elevation Analysis	LS	1	2	2	Citizens Pkwy
21.9	Traffic Signal Operation Report	LS	1	0	0	N/A
21.10	Quantities	LS	1	40	40	new signal [20hrs] 5intersections @4hrs = [20hrs]
21.11	Cost Estimate	LS	1	18	18	3 submittals @ 6hrs/submittal = [18hrs]
21.12	Technical Special Provisions	LS	1	0	0	N/A
21.13	Other Signalization Analysis	LS	1	0	0	N/A
<b>Signalization Analysis Technical Subtotal</b>					<b>153</b>	
21.14	Field Reviews	LS	1	12	12	Inventory of Existing Conditions (1 reviews x 2 people @ 6hrs)
21.15	Technical Meetings	LS	1	14	14	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	7%	11	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	7%	11	
<b>Signalization Analysis Nontechnical Subtotal</b>					<b>48</b>	



**Project Activity 21: Signalization Analysis**

21.19	Coordination	LS	%	3%	6	
<b>21. Signalization Analysis Total</b>					<b>207</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	1	2	2		0
Maintaining Agency (cities, counties)	EA	2	2	4		0
Railroads	EA	0	0	0		0
Other Meetings - ITS Systems Equipment vendor	EA	2	2	4		0
<b>Subtotal Technical Meetings</b>				<b>10</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	2	2	4	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>14</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 21.15

Carries to Tab 3

**Project Activity 22: Signalization Plans**

Estimator: O.Rodrigues

PriceBlvd Widening - SA Lighting

Representing	Print Name	Signature / Date
FDOT District		
FTE	Oliver Remy Rodrigues	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	2	1	2	Update Signalization set.
22.2	Summary of Pay Items Including Designer Interface (TRNS+Port) Input		Sheet	0	0	0	0	N/A
22.3	Tabulation of Quantities		Sheet	1	4	1	4	Update sheet.
22.4	General Notes/Pay Item Notes		Sheet	1	4	1	4	Update sheet.
22.5	Plan Sheet		Sheet	1	4	1	4	Emergency signal.
22.6	Interconnect Plans		Sheet	5	4	5	20	Include signalized intersection from Sumter to Toledo Blade. 5 intersections @ 4hrs = [20hrs]
22.7	Traffic Monitoring Site		EA	0	0		0	N/A
22.8	Guide Sign Worksheet		EA	1	2	1	2	Two sign panels.
22.9	Special Details		Sheet	1	8	1	8	Cabinet detail.
22.10	Special Service Point Details		EA	0	0		0	N/A
22.11	Mast Arm/Monotube Tabulation Sheet		PI	1	4	1	4	one sheet.
22.12	Strain Pole Schedule		PI	0	0		0	N/A
22.13	TCP Signal (Temporary)		EA	0	0		0	
22.14	Temporary Detection Sheet		PI	0	0		0	
22.15	Utility Conflict Sheet		Sheet	1	4	1	4	Incorporate SUE data.
22.16	Interim Standards		LS	0	0		0	N/A
<b>Signalization Plans Technical Subtotal</b>						<b>13</b>	<b>52</b>	
22.17	Quality Assurance/Quality Control		LS	%	7%		4	
22.18	Supervision		LS	%	7%		4	
<b>22. Signalization Plans Total</b>						<b>13</b>	<b>60</b>	

**Project Activity 23: Lighting Analysis**

Estimator: O.Rodrigues

PriceBlvd Widening - SA Lighting

Representing	Print Name	Signature / Date
North Port		
FTE	Oliver Remy Rodrigues	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	1	0	0	N/A
23.2	Lighting Design Analysis Report	LS	1	24	24	Reevaluate lighting photometrics at up to three segments impacted @ 8hrs.
23.3	Aeronautical Evaluation	LS	1	0	0	N/A
23.4	Voltage Drop Calculations	LS	1	6	6	Reevaluate circuits and load at up to three segments @ 2hrs
23.5	FDEP Coordination and Report	LS	1	0	0	N/A
23.6	Reference and Master Design Files	LS	1	24	24	Revise lighting design at up to three segments impacted @ 8hrs.
23.7	Temporary Lighting	LS	1	0	0	N/A
23.8	Design Documentation	LS	1	6	6	Docs
23.9	Quantities	LS	1	6	6	Tabulation sheets
23.10	Cost Estimate	LS	1	6	6	3 submittals x 2hrs/submittal
23.11	Technical Special Provisions	LS	1	0	0	N/A
23.12	Other Lighting Analysis	LS	1	0	0	N/A
<b>Lighting Analysis Technical Subtotal</b>					<b>72</b>	
23.13	Field Reviews	LS	1	4	4	1 review x 2 people @ 2hrs
23.14	Technical Meetings	LS	1	6	6	
23.15	Quality Assurance/Quality Control	LS	%	7%	5	
23.16	Independent Peer Review	LS	%	0%	0	
23.17	Supervision	LS	%	7%	5	
<b>Lighting Analysis Nontechnical Subtotal</b>					<b>20</b>	
23.18	Coordination	LS	%	3%	3	
<b>23. Lighting Analysis Total</b>					<b>95</b>	

**Project Activity 23: Lighting Analysis**

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	1	2	2		0
Maintaining Agency (cities, counties)	EA	1	4	4		0
Airport authority	EA	0	0	0		0
FDEP Lighting (coast areas)	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>6</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>6</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 23.14

Carries to Tab 3

**24. Lighting Plans**

Estimator: O.Rodrigues

PriceBlvd Widening - SA Lighting

Representing	Print Name	Signature / Date
North Port		
FTE	Oliver Remy Rodrigues	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet		Sheet	1	2	1	2	Update Key sheet
24.2	Summary of Pay Items Including Designer Interface (TRNS+Port) Input		Sheet	0	0	0	0	N/A
24.3	Tabulation of Quantities		Sheet	1	4	1	4	Update sheets
24.4	General Notes/Pay Item Notes		Sheet	1	4	0	4	Update Pay Items and Notes
24.5	Pole Data, Legend and Criteria		Sheet	1	4	1	4	Update Pole Data, Legend sheet
24.6	Service Point Details		Sheet	1	2	0	2	Update details
24.7	Project Layout		Sheet	0	0	0	0	N/A
24.8	Plan Sheet		Sheet	5	2	5	10	Scale 1" = 40'
24.9	Special Details		Sheet	1	0	1	0	N/A
24.10	Temporary Lighting Data and Details		Sheet	0	0	0	0	N/A
24.11	Traffic Control Plan Sheets		Sheet	0	0	0	0	N/A
24.12	Interim Standards		LS	0	0		0	N/A
<b>Lighting Plans Technical Subtotal</b>						<b>9</b>	<b>26</b>	
24.13	Quality Assurance/Quality Control		LS	%	7%		2	
24.14	Supervision		LS	%	7%		2	
<b>24. Lighting Plans Total</b>						<b>9</b>	<b>30</b>	



# UNIVERSAL ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering • Environmental Sciences  
Geophysical Services • Construction Materials Testing • Threshold Inspection  
Building Inspection • Plan Review • Building Code Administration

## LOCATIONS:

- Atlanta
- Charlotte, NC
- Clewiston, FL
- Daytona Beach
- Chantilly, VA
- Hagerstown, MD
- Delray Beach, FL
- Fort Myers
- Fort Pierce
- Gainesville
- Jacksonville
- Miami
- Ocala
- Orlando (Headquarters)
- Palm Coast
- Panama City
- Pensacola
- Port St. Lucie, FL
- Rockledge
- Sarasota
- St. Petersburg
- Tampa
- Tifton
- West Palm Beach

November 21, 2022

American Consulting Professionals, LLC  
4489 Woodbine Road  
Pace, Florida 32571

Attention: Mr. William Adams

RE: **PROPOSAL TO PROVIDE GEOTECHNICAL SERVICES**  
Proposed McCaughey, Creighton, Blue Ridge & Lagoon Improvements  
**Plans Updates**  
Price Boulevard  
North Port, Sarasota County; Florida  
**UES Proposal Number:** 1130.1122.00020 (b)

Dear Mr. Adams:

Universal Engineering Sciences, LLC. (UES) appreciates this opportunity to submit this proposal to provide geotechnical services at the above referenced project. Our understanding of this project with our proposed scope of services and cost estimates, are presented below. Our proposal is based on the information provided in your email dated November 3, 2022.

## PROJECT DESCRIPTION

The project under consideration involves the widening and replacement of the existing bridge located on Price Boulevard over McCaughey Waterway, the weir replacement of the Creighton Waterway Culvert and the improvements of the Blue Ridge & Lagoon Waterway Culverts. Plans showing the project limits and the waterway details were provided to us.

The purpose of our services is to explore and evaluate the soil conditions with respect to the planned design and provide recommendations to aid in foundation design, and soil design parameters.

This proposal assumes that the test boring locations will be readily accessible using a truck mounted drilling rig.

Due to the nature of the equipment required to perform the test borings, some property disturbance should be expected. Our proposal does include limited site clean up including backfilling the boreholes with sand for safety considerations. No other restoration services (i.e. pressure washing, landscaping, repairing wheel ruts, etc.) are included in this proposal. We understand that rights of entry and access to the property will be provided to us prior to and at commencement of field activities.

If this information is incorrect, please contact UES so that we modify our proposal, if necessary.

1748 Independence Boulevard, Suite B-1 Sarasota, FL 34234/ Ph.941-358-7410 Fx.941-358-7353  
[www.universalengineering.com](http://www.universalengineering.com)



## SCOPE OF SERVICES

Based upon your request and our current understanding of the project, we have included the following scope of services for the project.

- Contact the local underground utility clearance agency prior to beginning the field exploration
- All boring locations will be backfilled/grouted to grade upon work completion

### McCaughey Bridge (Bridge Replacement/Widening)

- Two (2) SPT borings to a depth of 75 feet below grade for the new bent locations

### Creighton Waterway Box Culvert/ Weir Replacement

- Two (2) SPT borings to a depth of 25 feet below grade for the weir

### Blue Ridge & Lagoon Waterways Box Culvert

- Two (2) SPT borings to a depth of 25 feet below grade for the Blue Ridge Waterway for soil bearing pressure
- Two (2) SPT borings to a depth of 25 feet below grade for the Lagoon Waterway for soil bearing pressure

### Citizens Parkway Intersection Mast Arms

- Four (4) SPT borings to a depth of 25 feet below grade for the mast arms

Standard Penetration Test (ASTM D 1586) will be performed in the boring continuous to a depth of 10 feet and at five feet intervals to the boring termination. Our field representative will visually classify the soil samples at each test interval and place them in clean containers which are labeled for future identification. Groundwater levels will be obtained in the boring upon initial encounter.

The soil samples will be transported to our laboratory for visual classification testing, and to evaluate the pertinent engineering properties. At the completion of the field and laboratory testing services we will prepare a report under the direction of a registered professional engineer which contains the following information at a minimum:

- Soil boring logs and visual soil classifications
- Existing groundwater levels
- Settlement estimates, total and differential
- Foundation recommendations and soil bearing capacity
- Soil Design Parameters
- Laboratory testing results



**UNIVERSAL ENGINEERING SCIENCES, LLC.**

*Geotechnical Engineering • Geophysical Assessments  
Environmental Sciences • Pavement Evaluations  
Construction Materials Testing*

**SCHEDULE**

Based upon our current schedule at the time of this proposal, we anticipate completing the field exploration and laboratory testing program and issuing a geotechnical report within 4 to 5 weeks upon receipt of written authorization to proceed. Preliminary findings can be provided via email prior to the release of the final report upon completion of the field and laboratory testing program to expedite your civil engineering design schedule.

**PROPOSAL**

UES is prepared to perform the geotechnical exploration for the total fee of **\$22,700.00**.

We have assumed that all boring locations are accessible to standard, truck-mounted drilling equipment, and you will grant our personnel Right of Access to the property. **If there are special access considerations (i.e. a locked gate), please provide us with the necessary information to gain entry to the site.** If we are unable to access the property upon arrival, additional charges may apply.

Enclosed you will find our Work Authorization/Proposal Acceptance Form. If you wish for us to proceed, please have the party responsible for payment sign the appropriate space on the Work Authorization/Proposal Acceptance Form and return one copy to us.

Universal Engineering Sciences appreciates this opportunity to offer our services, and we are looking forward to the assignment. Please call if you have any questions.

Sincerely,

**UNIVERSAL ENGINEERING SCIENCES, LLC.**

Yudelsy Epler  
Project Engineer

Robert Gomez, P.E.  
Regional Manager

**EXHIBIT I NOTES**

Additional services, consultations, or meetings if requested, will be invoiced at Universal Engineering Sciences' standard rates.

This fee estimate includes three (3) copies of the final report. Additional copies can be provided at cost of \$0.35 per page plus mailing costs.

All reports will be shipped via first class mail on project completion. Shipping via overnight delivery service will be provided at the client's request at cost plus 15%

This fee proposal will remain effective for 60 days. If you should require more than 60 days to formally authorize us to proceed, we request that you permit us to update our proposal to account for any changes in costs.

The client will be responsible for all applicable taxes.



**UNIVERSAL ENGINEERING SCIENCES, LLC**

Attachment A to Agreement No. 2015-19

**Work Authorization / Proposal Acceptance Form**

**PLEASE SIGN AND RETURN ONE COPY**

Universal Engineering Sciences, LLC. (Universal) is pleased to provide the services described below. The purpose of this document is to describe the terms under which the services will be provided and to obtain formal authorization.

**Project Name:** Price Boulevard McCaughey, Creighton, Blue Ridge & Lagoon Improvements. Plans Updates- GEO - ACP 11.3.22

**Date:** November 21, 2022

**Project Location:** Price Boulevard , North Port, Florida

**Client Name:** American Consulting Professionals, LLC **Contact:** William Adams

**Contact Business Address:** 4489 Woodbine Road, Pace, FL 32571

**Contact Fax Number:** \_\_\_\_\_ **Contact Phone:** 850-289-1005 **Email:** WAdams@acp-fl.com

**I. Scope of Services & Understanding of Project (See attached proposal or as indicated below).**

**UES Opportunity No.:** 1130.1122.00020 (b)

**Total Service Estimate = \$ 22,700.00**

**II. Contract Documents. The following documents form part of the Agreement and are incorporated herein by referral:**

A. Universal General Conditions.

In the event of any inconsistency or conflicting among the Contract Documents, the provision in that Contract Documents first listed above shall govern.

**III. Authority to proceed and for payment. (To be completed by Client)**

A. For payment of Services, invoice to the account of:


**Firm:** \_\_\_\_\_ **Social Security Number or Federal Identification No.:** \_\_\_\_\_  
**Address:** \_\_\_\_\_ **City:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_  
**Attention:** \_\_\_\_\_ **Title:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

B. If the invoice is to be mailed for approval to someone other than the account charged, please indicate where, below:

**Firm:** \_\_\_\_\_  
**Address:** \_\_\_\_\_ **City:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_  
**Attention:** \_\_\_\_\_ **Title:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized representatives this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

**CLIENT:** \_\_\_\_\_ **UNIVERSAL ENGINEERING SCIENCES, LLC.**

**BY (signature):** \_\_\_\_\_ **BY (signature):**  \_\_\_\_\_  
**NAME:** \_\_\_\_\_ **NAME:** Robert I. Gomez  
**TITLE:** \_\_\_\_\_ **TITLE:** Branch Manager

**Return Executed Copies to:**  
Universal Engineering Sciences, LLC.  
1748 Independence Boulevard, Suite B-1, Sarasota, FL 34234  
Tel (941) 358-7410 • Fax (941) 358-7353



**Universal Engineering Sciences, LLC**  
**GENERAL CONDITIONS**

**SECTION 1: RESPONSIBILITIES**

- 1.1 *Universal Engineering Sciences, LLC, Universal Engineering Inspections, LLC, and GFA International Inc. ("UES"), have the responsibility for providing the services described under the Scope of Services section. The work is to be performed according to accepted standards of care and is to be completed in a timely manner. The term "UES" as used herein includes all of Universal Engineering Sciences, LLC, Universal Engineering Inspections, LLC, GFA International, Inc., its' agents, employees, professional staff, and subcontractors.*
- 1.2 The Client or a duly authorized representative is responsible for providing UES with a clear understanding of the project nature and scope. The Client shall supply UES with sufficient and adequate information, including, but not limited to, maps, site plans, reports, surveys and designs, to allow UES to properly complete the specified services. The Client shall also communicate changes in the nature and scope of the project as soon as possible during performance of the work so that the changes can be incorporated into the work product.
- 1.3 The Client acknowledges that UES's responsibilities in providing the services described under the Scope of Services section is limited to those services described therein, and the Client hereby assumes any collateral or affiliated duties necessitated by or for those services. Such duties may include, but are not limited to, reporting requirements imposed by any third party such as federal, state, or local entities, the provision of any required notices to any third party, or the securing of necessary permits or permissions from any third parties required for UES's provision of the services so described, unless otherwise agreed upon by both parties.
- 1.4 Universal will not be responsible for scheduling our services and will not be responsible for tests or inspections that are not performed due to a failure to schedule our services on the project or any resulting damages.

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- 2.1 Services performed by UES under this Agreement will be conducted in a manner consistent with the level of care and skill ordinarily exercised by members of UES's profession practicing contemporaneously under similar conditions in the locality of the project. No other warranty, express or implied, is made.
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**Return Executed Copies to:**

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 1748 Independence Boulevard, Suite B-1, Sarasota, FL 34234  
 Tel (941) 358-7410 • Fax (941) 358-7353



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- 7.1 Client warrants that a reasonable effort has been made to inform UES of known or suspected hazardous materials on or near the project site.
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- 9.1 UES represents and warrants that it and its agents, staff and consultants employed by it, is and are protected by worker's compensation insurance and that UES has such coverage under public liability and property damage insurance policies which UES deems to be adequate. Certificates for all such policies of insurance shall be provided to Client upon request in writing. Within the limits and conditions of such insurance, UES agrees to indemnify and save Client harmless from and against loss, damage, or liability arising from negligent acts by UES, its agents, staff, and consultants employed by it. UES shall not be responsible for any loss, damage or liability beyond the amounts, limits, and conditions of such insurance or the limits described in Section 8, whichever is less. The Client agrees to defend, indemnify and save UES harmless for loss, damage or liability arising from acts by Client, Client's agent, staff, and other UESs employed by Client.

**SECTION 10: DISPUTE RESOLUTION**

- 10.1 All claims, disputes, and other matters in controversy between UES and Client arising out of or in any way related to this Agreement will be submitted to alternative dispute resolution (ADR) such as mediation or arbitration, before and as a condition precedent to other remedies provided by law, including the commencement of litigation.
- 10.2 If a dispute arises related to the services provided under this Agreement and that dispute requires litigation instead of ADR as provided above, then:
- the claim will be brought and tried in judicial jurisdiction of the court of the county where UES's principal place of business is located and Client waives the right to remove the action to any other county or judicial jurisdiction, and
  - The prevailing party will be entitled to recovery of all reasonable costs incurred, including staff time, court costs, attorneys' fees, and other claim related expenses.

**SECTION 11: TERMINATION**

- 11.1 This agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof. Such termination shall not be effective if that substantial failure has been remedied before expiration of the period specified in the written notice. In the event of termination, UES shall be paid for services performed to the termination notice date plus reasonable termination expenses.
- 11.2 In the event of termination, or suspension for more than three (3) months, prior to completion of all reports contemplated by the Agreement, UES may complete such analyses and records as are necessary to complete its files and may also complete a report on the services performed to the date of notice of termination or suspension. The expense of termination or suspension shall include all direct costs of UES in completing such analyses, records and reports.

**SECTION 12: ASSIGNS**

- 12.1 Neither the Client nor UES may delegate, assign, sublet or transfer their duties or interest in this Agreement without the written consent of the other party.

**SECTION 13. GOVERNING LAW AND SURVIVAL**

- 13.1 The laws of the State of Florida will govern the validity of these Terms, their interpretation and performance.
- 13.2 If any of the provisions contained in this Agreement are held illegal, invalid, or unenforceable, the enforceability of the remaining provisions will not be impaired. Limitations of liability and indemnities will survive termination of this Agreement for any cause.

**SECTION 14. INTEGRATION CLAUSE**

- 14.1 This Agreement represents and contains the entire and only agreement and understanding among the parties with respect to the subject matter of this Agreement, and supersedes any and all prior and contemporaneous oral and written agreements, understandings, representations, inducements, promises, warranties, and conditions among the parties. No agreement, understanding, representation, inducement, promise, warranty, or condition of any kind with respect to the subject matter of this Agreement shall be relied upon by the parties unless expressly incorporated herein.
- 14.2 This Agreement may not be amended or modified except by an agreement in writing signed by the party against whom the enforcement of any modification or amendment is sought.

Rev. 3/26/2020 (Docs No.1758555)

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# UNIVERSAL ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering • Environmental Sciences  
Geophysical Services • Construction Materials Testing • Threshold Inspection  
Building Inspection • Plan Review • Building Code Administration

**LOCATIONS:**

- Atlanta
- Charlotte, NC
- Clewiston, FL
- Daytona Beach
- Chantilly, VA
- Hagerstown, MD
- Delray Beach, FL
- Fort Myers
- Fort Pierce
- Gainesville
- Jacksonville
- Miami
- Ocala
- Orlando (Headquarters)
- Palm Coast
- Panama City
- Pensacola
- Port St. Lucie, FL
- Rockledge
- Sarasota
- St. Petersburg
- Tampa
- Tifton
- West Palm Beach

November 4, 2022

American Consulting Professionals, LLC  
4489 Woodbine Road  
Pace, Florida 32571

Attention: Mr. William Adams

RE: **PROPOSAL TO PROVIDE GEOTECHNICAL SERVICES**  
Proposed Myakkahatchee Creek Bridge Improvements  
Price Boulevard  
North Port, Sarasota County; Florida  
**UES Proposal Number: 1130.1122.00020 (a)**

Dear Mr. Adams:

Universal Engineering Sciences, LLC. (UES) appreciates this opportunity to submit this proposal to provide geotechnical services at the above referenced project. Our understanding of this project with our proposed scope of services and cost estimates, are presented below. Our proposal is based on the information provided in your email dated November 3, 2022.

### PROJECT DESCRIPTION

The project under consideration involves the widening or replacement of the existing bridge of Price Boulevard over Myakkahatchee Creek located in North Port, FL. Plans showing the project limits and the waterway details were provided to us.

The purpose of our services is to explore and evaluate the soil conditions with respect to the planned design and provide recommendations to aid in foundation design, and soil design parameters.

This proposal assumes that the test boring locations will be readily accessible using a truck mounted drilling rig.

Due to the nature of the equipment required to perform the test borings, some property disturbance should be expected. Our proposal does include limited site clean up including backfilling the boreholes with sand for safety considerations. No other restoration services (i.e. pressure washing, landscaping, repairing wheel ruts, etc.) are included in this proposal. We understand that rights of entry and access to the property will be provided to us prior to and at commencement of field activities.

If this information is incorrect, please contact UES so that we modify our proposal, if necessary.



## SCOPE OF SERVICES

Based upon your request and our current understanding of the project, we have included the following scope of services for the project.

- Contact the local underground utility clearance agency prior to beginning the field exploration
- Five (5) SPT borings to a depth of 75 feet below grade for the roadway alignment and bent locations
- Four (4) Double Ring Infiltrometer Tests for the swales
- All boring locations will be backfilled/grouted to grade upon work completion

Standard Penetration Test (ASTM D 1586) will be performed in the boring continuous to a depth of 10 feet and at five feet intervals to the boring termination. Our field representative will visually classify the soil samples at each test interval and place them in clean containers which are labeled for future identification. Groundwater levels will be obtained in the boring upon initial encounter.

The soil samples will be transported to our laboratory for visual classification testing, and to evaluate the pertinent engineering properties. At the completion of the field and laboratory testing services we will prepare a report under the direction of a registered professional engineer which contains the following information at a minimum:

- Soil boring logs and visual soil classifications
- Existing groundwater levels
- Settlement estimates, total and differential
- Foundation recommendations and soil bearing capacity
- Soil Design Parameters
- DRI test results
- Laboratory testing results

## SCHEDULE

Based upon our current schedule at the time of this proposal, we anticipate completing the field exploration and laboratory testing program and issuing a geotechnical report within 4 to 5 weeks upon receipt of written authorization to proceed. Preliminary findings can be provided via email prior to the release of the final report upon completion of the field and laboratory testing program to expedite your civil engineering design schedule.

## PROPOSAL

UES is prepared to perform the geotechnical exploration for the total fee of **\$23,950.00**.

We have assumed that all boring locations are accessible to standard, truck-mounted drilling equipment, and you will grant our personnel Right of Access to the property. **If there are special access considerations (i.e. a locked gate), please provide us with the necessary information to gain entry to the site.** If we are unable to access the property upon arrival, additional charges may apply.



**UNIVERSAL ENGINEERING SCIENCES, LLC.**

*Geotechnical Engineering • Geophysical Assessments  
Environmental Sciences • Pavement Evaluations  
Construction Materials Testing*

Enclosed you will find our Work Authorization/Proposal Acceptance Form. If you wish for us to proceed, please have the party responsible for payment sign the appropriate space on the Work Authorization/Proposal Acceptance Form and return one copy to us.

Universal Engineering Sciences appreciates this opportunity to offer our services, and we are looking forward to the assignment. Please call if you have any questions.

Sincerely,

**UNIVERSAL ENGINEERING SCIENCES, LLC.**

Yudelsy Epler  
Project Engineer

Robert Gomez, P.E.  
Regional Manager

**EXHIBIT I NOTES**

Additional services, consultations, or meetings if requested, will be invoiced at Universal Engineering Sciences' standard rates.

This fee estimate includes three (3) copies of the final report. Additional copies can be provided at cost of \$0.35 per page plus mailing costs.

All reports will be shipped via first class mail on project completion. Shipping via overnight delivery service will be provided at the client's request at cost plus 15%

This fee proposal will remain effective for 60 days. If you should require more than 60 days to formally authorize us to proceed, we request that you permit us to update our proposal to account for any changes in costs.

The client will be responsible for all applicable taxes.

**UNIVERSAL ENGINEERING SCIENCES, LLC**

Attachment A to Agreement No. 2015-19

**Work Authorization / Proposal Acceptance Form**

**PLEASE SIGN AND RETURN ONE COPY**

Universal Engineering Sciences, LLC. (Universal) is pleased to provide the services described below. The purpose of this document is to describe the terms under which the services will be provided and to obtain formal authorization.

**Project Name:** Price Boulevard Myakkahatchee Creek Bridge Improvements- North Port - GEO - ACP 11.3.22

**Date:** November 4, 2022

**Project Location:** Price Boulevard , North Port, Florida

**Client Name:** American Consulting Professionals, LLC **Contact:** William Adams

**Contact Business Address:** 4489 Woodbine Road, Pace, FL 32571

**Contact Fax Number:** \_\_\_\_\_ **Contact Phone:** 850-289-1005 **Email:** WAdams@acp-fl.com

**I. Scope of Services & Understanding of Project (See attached proposal or as indicated below).**

**UES Opportunity No.:** 1130.1122.00020

**Total Service Estimate = \$ 23,950.00 (a)**

**II. Contract Documents. The following documents form part of the Agreement and are incorporated herein by referral:**

A. Universal General Conditions.

In the event of any inconsistency or conflicting among the Contract Documents, the provision in that Contract Documents first listed above shall govern.

**III. Authority to proceed and for payment. (To be completed by Client)**

A. For payment of Services, invoice to the account of:


**Firm:** \_\_\_\_\_ **Social Security Number or Federal Identification No.:** \_\_\_\_\_  
**Address:** \_\_\_\_\_ **City:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_  
**Attention:** \_\_\_\_\_ **Title:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

B. If the invoice is to be mailed for approval to someone other than the account charged, please indicate where, below:

**Firm:** \_\_\_\_\_  
**Address:** \_\_\_\_\_ **City:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_  
**Attention:** \_\_\_\_\_ **Title:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized representatives this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

**CLIENT:** \_\_\_\_\_ **UNIVERSAL ENGINEERING SCIENCES, LLC.**

**BY (signature):** \_\_\_\_\_ **BY (signature):**   
**NAME:** \_\_\_\_\_ **NAME:** Robert I. Gomez  
**TITLE:** \_\_\_\_\_ **TITLE:** Branch Manager

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- 9.1 UES represents and warrants that it and its agents, staff and consultants employed by it, is and are protected by worker's compensation insurance and that UES has such coverage under public liability and property damage insurance policies which UES deems to be adequate. Certificates for all such policies of insurance shall be provided to Client upon request in writing. Within the limits and conditions of such insurance, UES agrees to indemnify and save Client harmless from and against loss, damage, or liability arising from negligent acts by UES, its agents, staff, and consultants employed by it. UES shall not be responsible for any loss, damage or liability beyond the amounts, limits, and conditions of such insurance or the limits described in Section 8, whichever is less. The Client agrees to defend, indemnify and save UES harmless for loss, damage or liability arising from acts by Client, Client's agent, staff, and other UESs employed by Client.

**SECTION 10: DISPUTE RESOLUTION**

- 10.1 All claims, disputes, and other matters in controversy between UES and Client arising out of or in any way related to this Agreement will be submitted to alternative dispute resolution (ADR) such as mediation or arbitration, before and as a condition precedent to other remedies provided by law, including the commencement of litigation.
- 10.2 If a dispute arises related to the services provided under this Agreement and that dispute requires litigation instead of ADR as provided above, then:
- the claim will be brought and tried in judicial jurisdiction of the court of the county where UES's principal place of business is located and Client waives the right to remove the action to any other county or judicial jurisdiction, and
  - The prevailing party will be entitled to recovery of all reasonable costs incurred, including staff time, court costs, attorneys' fees, and other claim related expenses.

**SECTION 11: TERMINATION**

- 11.1 This agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof. Such termination shall not be effective if that substantial failure has been remedied before expiration of the period specified in the written notice. In the event of termination, UES shall be paid for services performed to the termination notice date plus reasonable termination expenses.
- 11.2 In the event of termination, or suspension for more than three (3) months, prior to completion of all reports contemplated by the Agreement, UES may complete such analyses and records as are necessary to complete its files and may also complete a report on the services performed to the date of notice of termination or suspension. The expense of termination or suspension shall include all direct costs of UES in completing such analyses, records and reports.

**SECTION 12: ASSIGNS**

- 12.1 Neither the Client nor UES may delegate, assign, sublet or transfer their duties or interest in this Agreement without the written consent of the other party.

**SECTION 13. GOVERNING LAW AND SURVIVAL**

- 13.1 The laws of the State of Florida will govern the validity of these Terms, their interpretation and performance.
- 13.2 If any of the provisions contained in this Agreement are held illegal, invalid, or unenforceable, the enforceability of the remaining provisions will not be impaired. Limitations of liability and indemnities will survive termination of this Agreement for any cause.

**SECTION 14. INTEGRATION CLAUSE**

- 14.1 This Agreement represents and contains the entire and only agreement and understanding among the parties with respect to the subject matter of this Agreement, and supersedes any and all prior and contemporaneous oral and written agreements, understandings, representations, inducements, promises, warranties, and conditions among the parties. No agreement, understanding, representation, inducement, promise, warranty, or condition of any kind with respect to the subject matter of this Agreement shall be relied upon by the parties unless expressly incorporated herein.
- 14.2 This Agreement may not be amended or modified except by an agreement in writing signed by the party against whom the enforcement of any modification or amendment is sought.

Rev. 3/26/2020 (Docs No.1758555)

**Return Executed Copies to:**  
 Universal Engineering Sciences, LLC.  
 1748 Independence Boulevard, Suite B-1, Sarasota, FL 34234  
 Tel (941) 358-7410 • Fax (941) 358-7353



# CUMBEY & FAIR, INC.

2463 ENTERPRISE ROAD, CLEARWATER, FLORIDA 33762  
(727) 797-8982 Clearwater (813) 223-4333 Tampa (727) 791-8752 Fax WWW.CUMBEYFAIR.COM

September 20, 2022

**Joel McGee, PSM**  
Principal/Project Manager  
American Consulting Professionals, LLC  
2818 Cypress Ridge Blvd., Suite 200  
Wesley Chapel, FL 33544  
813.435.2633

## Re: Proposal/Scope for Survey/SUE Services for Additional Topo on City of Northport Project along Price Blvd.

### Scope of Services (Price Blvd. Additional Topo - Part I)

Cumbey & Fair is pleased to submit this proposal/fee estimate to provide Survey services to American Consulting Professional for the above-referenced City of Northport project at Price Blvd. Cumbey & Fair, Inc. will prepare Survey data in accordance with F.A.C. 5J.050 thru 5J-17.053 Standards and Practice. The Survey scope includes the following:

- Provide revised Topo data at approximately 22 driveways listed below as depicted on American Consulting Professional's plan sheets:

ROADWAY	ROADWAY SHEET NO	STATION (approximate)	STREET NUMBER	FACILITY TYPE	COMMENTS
PRICE BLVD	5	84+50 RT	1053 Savia St	Model Home	MVM Custom Homes, two driveways
	16	146+25 RT	2719	Parking	Adams Homes
	16	146+90 RT	2719	Model Home	Adams Homes, future connection
	50 / 51	153+20 RT	2591	Existing Residence	Existing Driveway not shown on Plan
	51	157+65 RT	2471	Model Home	First Choice Home Builders
	51 / 52	158+45 RT	2451	Model Home	First Choice Home Builders
	52	159+60 RT	NA	Parking	First Choice Home Builders
	52	159+75 LT	NA	Parking	Distinction Homes
	52	160+30 LT	2450	Model Home	Distinction Homes, future connection
	52	161+80 RT	2415	New Residence	
	52	162+60 RT	2415	Car / RV Garage	detached, 3 bays
	54	171+45 RT	NA	Parking	Zwiercan Homes
	54	NA	1075 Lavinia St	Model Home	Zwiercan Homes, driveway Sta 701+00 Lavinia St
	55	175+80 RT	NA	Parking	Maronda Homes
	55	176+50 RT	2179	Model Home	Maronda Homes
	55	180+80 RT	2043	New Residence	
	56	NA	NA	Parking	Holiday Builders, entrance Cassia St
	57	186+90 RT	1881	Model Home	Holiday Builders, future connection
	57	187+80 RT	NA	Model Home	Holiday Builders, under construction
	57	192+20 RT	1817	Model Home	D R Horton/Express Builders, future connection
	58	192+70 RT	NA	Parking	SD R Horton/Express Builders, Driveway on Caliva St
N CHAMBERLAIN	56	3008+40	1007	New Residence	Under Construction, Driveway location conflicts with proposed Inlet S-363A



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- Topo at the east side of Citizens Parkway for the frontage and within the R/W (600')
- Topo at the frontage of one lot at the northwest corner of Price Blvd. and Chamberlane Blvd.
- Horizontal Datum – NAD 83 (2011 Adjustment)
- Vertical Datum – NAVD 1988
- All field survey work shall be recorded in approved media and submitted.
- Deliverables include CADD file and Surveyor’s Report.

## **Survey and SUE Fee Estimate (Price Blvd. Additional Topo - Part I)**

Classification	Rate	Hours	Total
<b>OFFICE</b>			
Senior Surveyor & Mapper	\$174.00	2	\$348
Surveyor & Mapper	\$145.00	4	\$580
Survey Technician	\$90.00	28	\$2,520
<b>FIELD</b>			
3-Person Survey Crew	\$180.00	45	\$8,100
		<b>Total</b>	<b>\$11,548</b>

Total Fee Estimate (Part I) is **\$11,548.00**

## **Scope of Services (Creighton Waterway & Citizens Parkway – Part II)**

Cumbey & Fair is pleased to submit this proposal/fee estimate to provide Survey services to American Consulting Professionals for the above-referenced City of Northport project at Price Blvd. Cumbey & Fair, Inc. will prepare Survey data in accordance with F.A.C. 5J.050 thru 5J-17.053 Standards and Practice. The Survey scope includes the following:

- Provide Topo data at the Creighton Waterway on the north side, bank, and bottom + 20' past RW (See Attachment "A").
- Additional 5 Crew days and office hours for any additional Topo Survey needs that may arise.
- All topo data to include the following: depict all ditches, driveways, bridges, above-ground utilities, ground shots, edge of water, fences, sidewalks, culverts, drainage structures, inverts, curbs, edges of pavement, paved ditches, water meters, valves, junction boxes, manholes, power/light poles, mailboxes, and any other significant feature within the survey limits.
- Provide SUE Quality Level "A" test Holes to clear 4 Mast Arms at the intersection of Citizens Parkway (Approx. 20 Test Holes)
- Horizontal Datum – NAD 83 (2011 Adjustment)
- Vertical Datum – NAVD 1988
- All field survey work shall be recorded in approved media and submitted.
- Deliverables include CADD file and Surveyor's Report.



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## Survey Fee Estimate for Creighton Waterway/Citizens Parkway – Part II

Classification	Rate	Hours	Total
<b>OFFICE</b>			
Senior Surveyor & Mapper	\$174.00	2	\$348
Surveyor & Mapper	\$145.00	4	\$580
Survey Technician	\$90.00	18	\$1,620
<b>FIELD</b>			
3-Person Survey Crew	\$180.00	16	\$2,880
3-Person Survey Crew	\$190.00	32	\$6,080
		<b>Total</b>	<b>\$11,508</b>

## Survey Fee Estimate for Additional Survey Needs – Part II

Classification	Rate	Hours	Total
<b>OFFICE</b>			
Senior Surveyor & Mapper	\$174.00	2	\$348
Surveyor & Mapper	\$145.00	6	\$870
Survey Technician	\$90.00	36	\$3,240
<b>FIELD</b>			
3-Person Survey Crew	\$180.00	40	\$7,200
		<b>Total</b>	<b>\$11,658</b>

The total Lump Sum Fee Estimate for Creighton Waterway/Citizens Parkway (Part II) is **\$11,508.00**. The total not-to-exceed fee for Additional Survey needs is **\$11,658**. The maximum fee for both services is **\$23,166**.

The total fee for both Part I (**\$11,548**) and Part II (**\$23,166**) is **\$37,714**.

Proposed Survey Services will be delivered within sixty (60) business days of the original Notice to Proceed date.

Please call or email if you have any questions.

Sincerely,  
Cumbey & Fair, Inc.

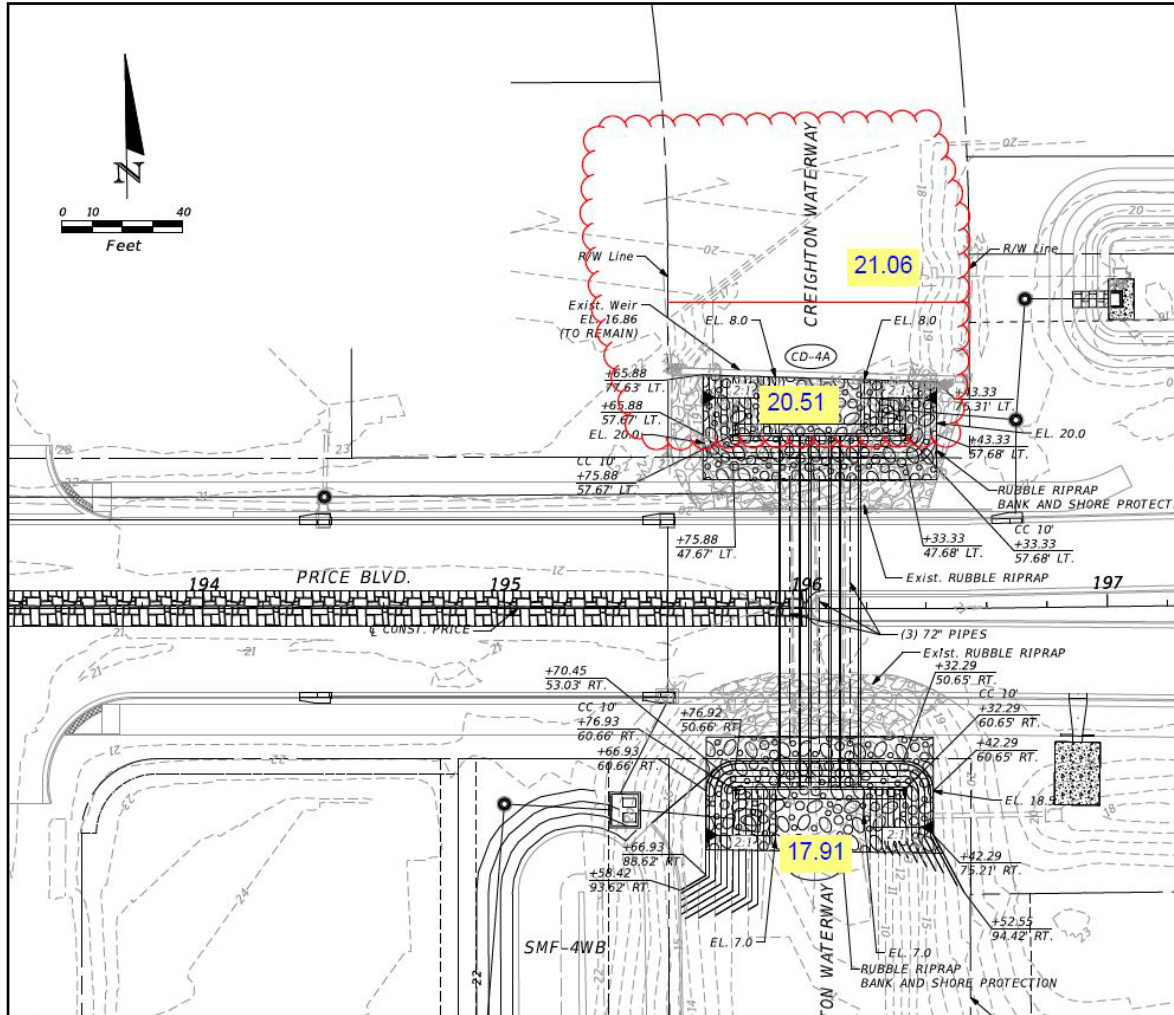
Patrick McCormack  
Vice President – Sr. Survey Manager  
[pmccormack@cumbeyfair.com](mailto:pmccormack@cumbeyfair.com)



# CUMBEY & FAIR, INC.

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## Attachment "A"



CIVIL ENGINEERS

LAND SURVEYORS

PLANNERS



# CUMBNEY & FAIR, INC.

2463 ENTERPRISE ROAD, CLEARWATER, FLORIDA 33762  
(727) 797-8982 Clearwater (813) 223-4333 Tampa (727) 791-8752 Fax WWW.CUMBNEYFAIR.COM

October 13, 2022

**Joel McGee, PSM**

Principal/Project Manager  
American Consulting Professionals, LLC  
2818 Cypress Ridge Blvd., Suite 200  
Wesley Chapel, FL 33544  
813.435.2633

**Re: Proposal/Scope for Survey/SUE Services for Additional  
Topo on City of Northport Project along Price Blvd at  
Myakkahatchee Creek**

**Scope of Services**

Cumbey & Fair is pleased to submit this proposal/fee estimate to provide Survey services to American Consulting Professionals for the above-referenced City of Northport project at Price Blvd. Cumbey & Fair, Inc. will prepare Survey data in accordance with F.A.C. 5J.050 thru 5J-17.053 Standards and Practice. The Survey scope includes the following:

- Provide Topo data from the west side of the North Port High School entrance to the east side of the Eagles Flight Way/Creek Nine Drive (Approx. 1,500').
- Topo Survey data within the project limits (See Attachment "A" area in red) to include the following: depict all ditches, driveways, bridges, above-ground utilities, ground shots, edge of water, fences, sidewalks, culverts, drainage structures, inverts, curbs, edges of pavement, paved ditches, water meters, valves, junction boxes, manholes, power/light poles, mailboxes, and any other significant feature within the survey limits.
- Topo lateral limits shall be from R/W to R/W.
- SUE Quality Level "B" Designation.
- Provide up to 10 SUE Quality Level "A" Test Holes (VH – verified vertical and horizontal) at EOR's request.
- Provide CAD file with the horizontal and vertical location for all Test holes, SUE field notes, and a SUE Test Hole Report depicting the aforesaid Quality Level "A" utility locations.
- SUE Survey for all Quality Level "B" Designation and Quality Level "A" Test Holes
- Horizontal Datum – NAD 83 (2011 Adjustment)
- Vertical Datum – NAVD 1988
- All field survey work shall be recorded in approved media and submitted.
- Deliverables include CADD file and Surveyor's Report.



# CUMBNEY & FAIR, INC.

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## **Survey and SUE Fee Estimate**

<b>Classification</b>	<b>Rate</b>	<b>Hours</b>	<b>Total</b>
<b>OFFICE</b>			
Senior Surveyor & Mapper	\$174.00	2	\$348
Surveyor & Mapper	\$145.00	6	\$870
Survey Technician	\$90.00	40	\$3,600
<b>FIELD</b>			
3-Person Survey Crew	\$180.00	56	\$10,080
SUE Crew	\$170.00	30	\$5,100
		<b>Total</b>	<b>\$19,998</b>

The total Lump Sum Fee Estimate is **\$19,998.00**

Proposed Survey Services will be delivered within forty (40) business days of the original Notice to Proceed date.

Please call or email if you have any questions.

Sincerely,  
Cumbey & Fair, Inc.

Patrick McCormack  
Vice President – Sr. Survey Manager  
[pmccormack@cumbeyfair.com](mailto:pmccormack@cumbeyfair.com)

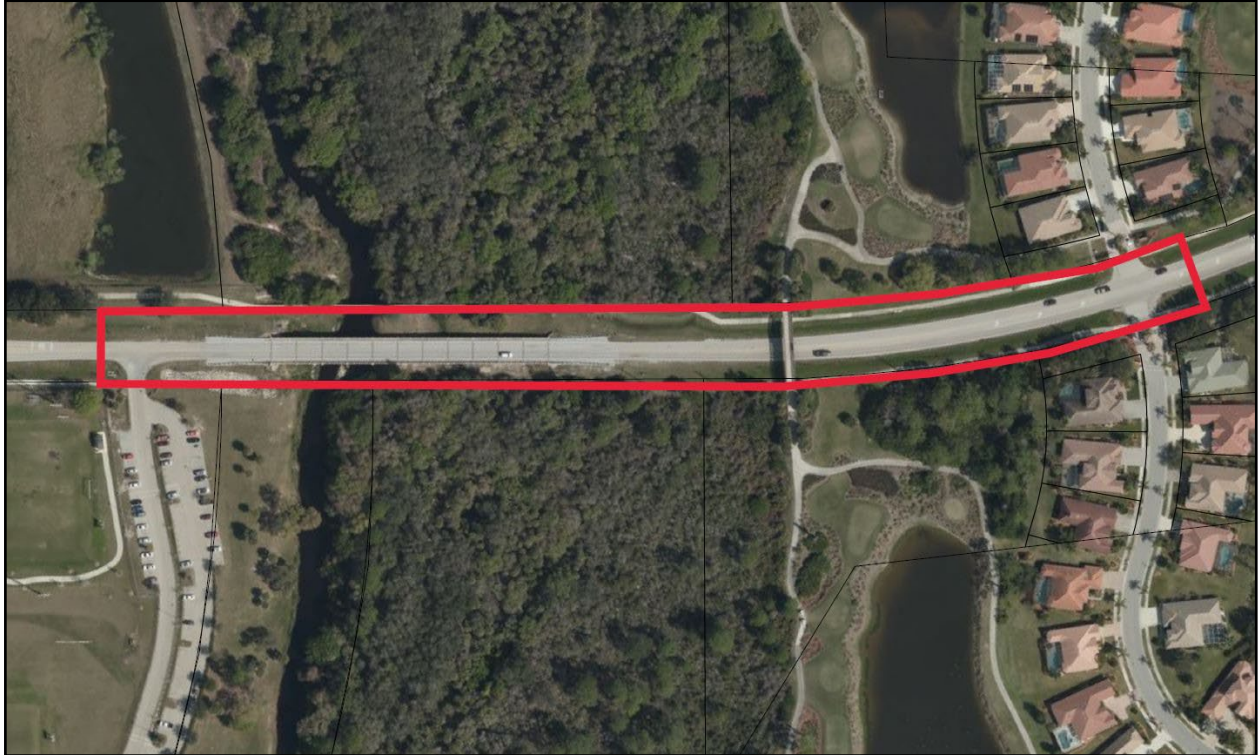


# CUMBNEY & FAIR, INC.

Attachment A to Agreement No. 2015-19

2463 ENTERPRISE ROAD, CLEARWATER, FLORIDA 33762  
(727) 797-8982 Clearwater (813) 223-4333 Tampa (727) 791-8752 Fax WWW.CUMBNEYFAIR.COM

## Attachment "A"



CIVIL ENGINEERS

LAND SURVEYORS

PLANNERS



PRICE BOULEVARD WIDENING SCOPE OF SERVICES for  
UTILITY ADJUSTMENTS TO ACCOMMODATE REVISED  
ROADWAY PROFILE AND CONSOLIDATION OF THREE  
FORCE MAINS TO ONE

**Introduction**

The City of North Port has requested engineering services from American Consulting Services Inc. (American) for the design, permitting, procurement and construction phase services for water and forcemain utilities for the widening of Price Boulevard and associated drainage and utility relocations. American Consulting has sub-contracted the utility relocation design and permitting, Task 4.06 of the Contract between the City and American, to the Weiler Engineering Corporation (WEC). The project was completed and the City has requested the original design be modified to adjust the roadway profile and consolidate the three, currently proposed force mains into one force main (likely 20") **size to be determined by the City.**

The project will include 14,250± LF of utility adjustments to accommodate the new profile and design of a new (likely 20") force main.

This Scope includes permitting for the new force main, but assumes the modifications necessary for the other utilities will not require permits or modifications to existing permits.

**Scope of Services**

1.0 Design and Permitting Phase Services

WEC will provide engineering, design and permitting services to revise the current plans to accommodate the revised profile and prepare plans and technical specifications to modify the existing utility plans to obtain permits for the new force main to replace the existing, three, force mains, required for construction including:

1.1 Coordination Meetings

WEC will attend the following meetings.

NPU kick-off meeting-The purpose of this meeting will be to review the scope of work; discuss the existing design and NPU's expectations; and review permitting requirements.

60 & 90 - percent review meeting-This will be held at the end of NPU's review period for each submittal. NPU's comments on the submittal and WEC's proposed resolutions to the comments will be discussed at this meeting.

FDEP pre-application meeting for the proposed force main.

## 1.2 60% Design

Based on information provided by Prime Consultant and NPU and pre-application meeting with the FDEP, WEC will prepare 60% complete water and force-main plans for submittal to NPU. Plans will consider the revised profile, permitting requirements and the need for the existing force mains to stay in service until the new force main is completed and in service. Consultant shall include appropriate phasing plans during Construction for interim connection points and continuity of operations. The 60-percent design plans will incorporate the revisions necessary to accommodate changes made to utilities for the revised profile and latest revision of NPU's standard details. NPU's standard technical specifications will be used to the extent practical. Project-specific details and technical specifications will be developed as necessary to supplement NPU standards.

## 1.3 90% Design

The 90-percent design submittal will include plans, technical specifications, an engineer's opinion of probable cost (EOPC) for water and sewer utilities, and permit applications.

WEC will revise the current technical specifications to include revisions associated with the new force main and revisions to other utilities as a result of the roadway profile modification and to include updated NPU Specifications and details.

WEC will deliver the following to American for the 90-percent submittal:

- One full-size set of 90-percent plans (22"x34")
- One half-size set of 90-percent plans (11"x17")
- One hard copy of 90-percent technical specifications
- Permit applications for signature by NPU
- Digital copies of the 90-percent plans, 90-percent technical specifications, 90- percent EOPC, permit applications in PDF format

## 1.4 100% Plans

NPU's review comments on the 90-percent plans, technical specifications, and EOPC, along with comments received during the permitting process (if any), will be addressed by WEC to prepare an "Issued for Bid" (100% Plans) submittal. A Bid Form for use by bidders when submitting their bids will be prepared based on the bid items listed in the EOPC to incorporate

with the Bid Form for the rest of the project by others.

The full-size “Issued for Bid” plans and the “Issued for Bid” technical specifications will be signed and sealed by a Professional Engineer licensed in Florida. The half-scale “Issued for Bid” plans will be prepared by printing scanned copies of the signed and sealed full-size plans at 50-percent scale.

WEC will provide the following to NPU for the Issued for Bid submittal:

- One full-size original set of “Issued for Bid” plans (22”x34”)
- One half-size copies of “Issued for Bid” plans (11”x17”)
- One hard copy original set of “Issued for Bid” technical specifications
- One hard copy of the “Issued for Bid” EOPC
- One hard copy of the “Issued for Bid” bid form
- CD with digital copies of the plans, technical specifications, permit, EOPC, in PDF format; and bid form in Excel format

## 2.0 Permitting

WEC will prepare and submit the following permit applications for the new force main:

- Florida Department of Environmental Protection (FDEP) Application for Constructing a Domestic Wastewater Transmission System

WEC will prepare and deliver the permit applications to NPU through ACE for signature. NPU will arrange payment for the applicable review fees. WEC will submit the completed permit applications to the regulatory agencies. The updated 90-percent design plans prepared by WEC under this Work Assignment will be used for the permit submittals, with the title blocks revised to indicate “Issued for Permit-Not for Construction.” The plans used for permit submittals will be signed and sealed by a Professional Engineer licensed in Florida.

WEC will respond to requests for additional information from the permitting agencies. This scope of work assumes that no more than one request for additional information will be received for the permit application.

## 3.0 Procurement Phase Services

WEC will provide support to NPU during the bidding process. The work included in this effort is discussed below.

### 3.1 Services During Procurement

WEC will attend one pre-bid meeting at North Port City Hall. The meeting will be led by the City of North Port Procurement Department and NPU. WEC will discuss the scope of work and respond to technical questions regarding the utilities during the meeting.

WEC will assist the Procurement Department in preparing addendums during bidding. The Procurement Department will prepare a draft addendum in Word format. The draft addendum will incorporate technical questions received from bidders inserted into the document with spaces provided for responses by WEC. WEC to prepare written responses to the technical questions and will then return the addendum to the Procurement Department to be finalized and distributed to bidders. This scope of work assumes that no more than six (6) addendums will be issued during bidding.

### 3.2 Bid Review and Award Recommendation

Following the bidding process, the Procurement Department will review all bids for responsiveness. All responsive bids will then be provided to WEC in PDF format. WEC will review the apparent low bid for conformance with the bidding requirements.

## 4.0 Construction Phase Services

The work will be constructed by a general contractor who will be responsible for all aspects of the work. The services provided by WEC during the construction phase is discussed below.

### 4.1 Issued for Construction Plans and Specifications

WEC will coordinate with ACE to prepare “Issued for Construction” plans and technical specifications. These will be based on the “Issued for Bid” plans and technical specifications, with revisions made to incorporate the changes and clarifications from addendums issued during bidding.

The full-size “Issued for Construction” (22”x34”) plans and the “Issued for Construction” technical specifications will be signed and sealed by a Professional Engineer licensed in Florida. The half-size “Issued for Bid” plans (11”x17”) will be prepared by plotting scanned copies of the signed and sealed full-size construction plans at 50-percent scale.

WEC will provide the associated utility plans to ACE for the “Issued for Construction” submittal:

- One full-size original signed set of “Issued for Construction” plans (34”x22”)

- One hard copy original signed set of “Issued for Construction” technical specifications
- CD with digital copies of the “Issued for Construction” plans and technical specifications in PDF format and AutoCAD files in DWG format

#### 4.2 Meetings

WEC will attend one pre-construction meeting, three progress meetings, Substantial and Final walkthroughs.

The meetings will be held at a location within the City of North Port and chosen by NPU. All meetings will be led by NPU including preparation of agenda and meeting minutes.

#### 4.3 Submittals and Shop Drawing Review

WEC will review contractor shop drawing submittals for conformance with the bid documents. This scope of services assumes 24 product/shop drawing submittals and 8 re-submittals, will be reviewed.

#### 4.4 Requests for Information, Contractor Change Orders & Record Drawings

WEC will prepare responses to requests for information (RFIs) received during construction. This scope of services assumes construction will be completed within eighteen months.

WEC will assist NPU with contractor Change Orders (CO). The CO’s will be prepared by NPU and reviewed by WEC for concurrence and reasonableness of the additional services and amount of the CO. WEC assumes there will be no more than two contractor CO’s.

Based on information from certified survey as-built information from Contractors Surveyor, Site visits by WEC and NPU Inspector or NPU sub-consultant, WEC will prepare record drawings of the water and sewer improvements.

### **Scope Assumptions and Clarifications**

There following assumptions are included in this scope of work.

- NPU will provide record drawings and utility information along the project route and surrounding areas to WEC promptly following the Notice to Proceed.
- The work will not require a permit from the U.S. Army Corps of Engineers.
- All permits required that have not already been obtained and are not specifically identified herein as being obtained by WEC will be the responsibility of others.
- Permitting agencies will issue permits within 30 days of receipt of the permit applications.

Items not specifically detailed in the Scope shall not be included in the contracted Scope of Services. Items that are excluded from the scope include but are not limited to:

- A U.S. Army Corps of Engineers permit
- A North Port Right of Way Use permit
- Additional topographic and boundary surveys
- Cultural resource assessment survey
- Wetland delineations
- Contamination assessment
- Other alternate trenchless installation design
- MOT plans

**Schedule**

<b><u>Task</u></b>	<b><u>Duration</u></b>	<b><u>Days from NTP</u></b>
60% Plans	60	60
Client Review & Review Meeting	30	90
90% Plans	30	120
Client Review & Review Meeting	30	150
Permitting Applications	15	165
Permit Approvals	30	195
100% Plans	30	225
Services during construction	540	765

**Fees**

Description	Principal	Project Manage	Registered PE	Registered EI	Sr. Designer	Designer	Clerical	Total Hrs	Totals
<b>Utility Coordination and Design (LUMP SUM)</b>									
<b>1.1 Utility Coordination</b>									
Coordinate w/ Existing Utilities		2.00	2.00	2.00	2.00		1.00	9.00	1170.00
Pre-Design Conference	2.00	2.00	2.00	2.00	2.00		1.00	11.00	1590.00
Design Team Conferences / Design Meetings		9.00	9.00	9.00	9.00		1.00	37.00	5055.00
<b>Total Utility Coordination</b>									7815.00
<b>Design</b>									
<b>Wastewater Transmission Force Main</b>									
1.2 Design 60%	8.00	12.00	40.00	65.00	30.00	30.00	1.00	186.00	24625.00
1.3 Design 90%	8.00	12.00	40.00	65.00	30.00	30.00	1.00	186.00	24625.00
1.4 Design 100%	8.00	12.00	40.00	65.00	30.00	30.00	1.00	186.00	24625.00
<b>Total Wastewater Transmission Design</b>									73875.00
<b>Water Distribution Main</b>									
1.2 Design 60%	2.00	4.00	12.00	20.00	10.00	10.00	1.00	59.00	7680.00
1.3 Design 90%	2.00	4.00	12.00	20.00	10.00	10.00	1.00	59.00	7680.00
1.4 Design 100%	2.00	4.00	12.00	20.00	10.00	10.00	1.00	59.00	7680.00
<b>Total Water Distribution Design</b>									23040.00
<b>Permitting</b>									
Wastewater Transmission Force Main	4.00	8.00	24.00	40.00	16.00	16.00	4.00	112.00	14640.00
<b>Total Permitting</b>									14640.00
<b>Procurement (HOURLY NTE)</b>									
3.1 Services During Procurement	2.00	6.00	2.00	6.00	4.00			20.00	2870.00
3.2 Bid Review & Award	2.00	4.00		4.00				10.00	1540.00
<b>Total During Procurement (NTE)</b>									4410.00
<b>4.0 Services During Construction (HOURLY NTE)</b>									
4.1 Issue Construction Plans & Specifications	0.50	4.00	4.00	4.00	4.00			16.50	2325.00
4.2 Meetings		32.00	2.00	32.00	12.00			78.00	10610.00
4.3 Submittals	2.00	4.00	2.00	24.00	24.00	24.00	16.00	96.00	10370.00
4.4 RFI's, CO's & Record Drawings	8.00	48.00	24.00	40.00	40.00	16.00	16.00	192.00	25040.00
<b>Total During Construction (NTE)</b>									48345.00
<b>Total Hours</b>	50.50	167.00	227.00	418.00	233.00	176.00	45.00	1316.50	
<b>Rate</b>	\$210.00	\$155.00	\$165.00	\$125.00	\$110.00	\$100.00	\$60.00		
<b>Total Cost</b>	\$10,605.00	\$25,885.00	\$37,455.00	\$52,250.00	\$25,630.00	\$17,600.00	\$2,700.00		\$172,125.00

**Scope of Services**  
Professional Services Agreement  
Price Boulevard  
City of North Port RFP No. 2015-19



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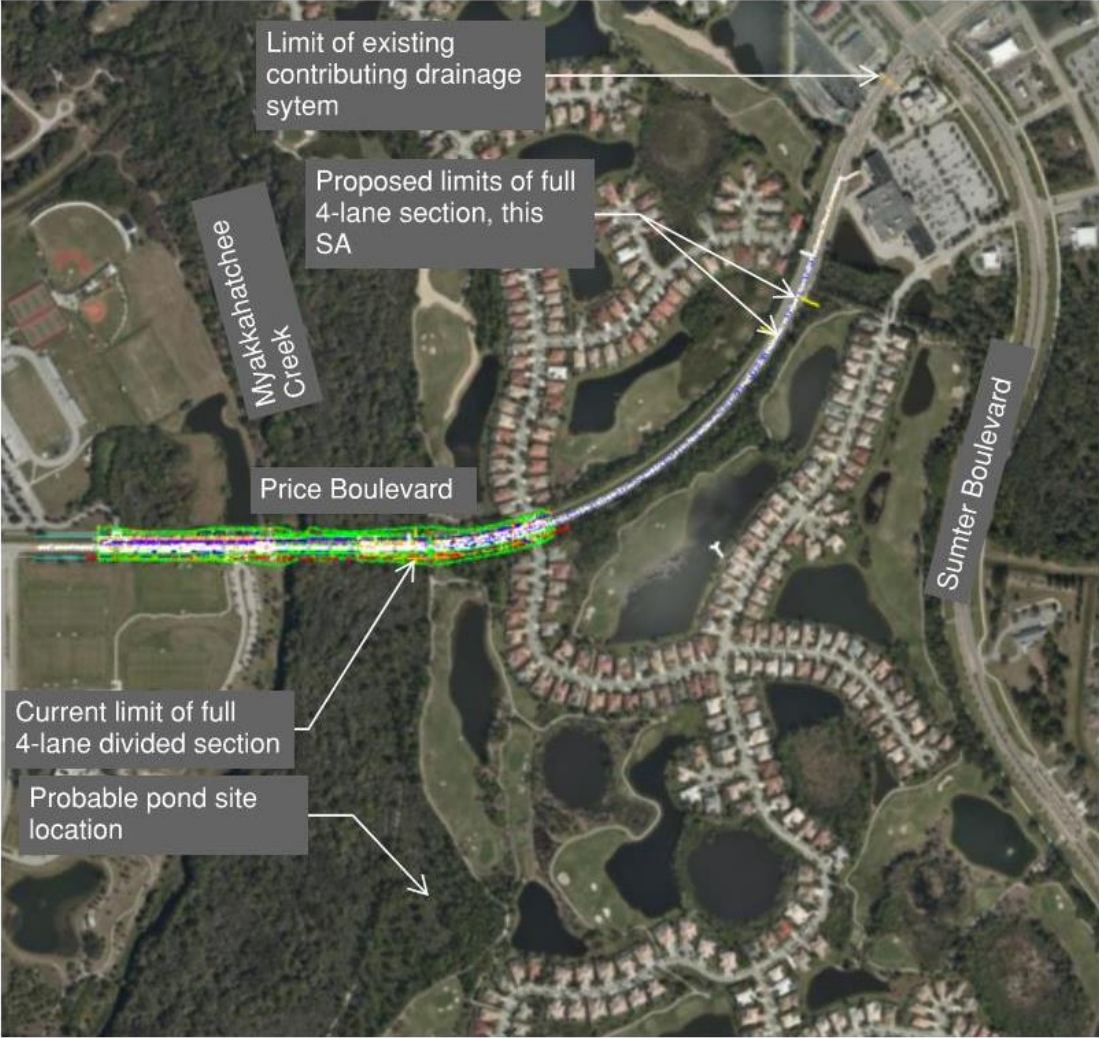
## Attachments

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Estimate of Work Effort and Cost – Prime Consultant  
 Subconsultant scope and fee – Cumbey & Fair  
 Subconsultant scope and fee – Universal

# INTRODUCTION

The City of North Port executed a contract with Charlotte Engineering and Survey, a Florida corporation and wholly owned subsidiary of American Consulting Engineers of Florida, LLC (The CONSULTANT), to design the widening of Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard on September 28, 2015. The original scope and supplementals thereto, through Supplemental Agreement No. 5, was completed in June of 2021. Since that time there has been construction within the corridor and desirable design improvements have been identified as well as the replacement of the bridge over the Myakkahatchee Creek which was added under Supplemental Agreement No. 6, on or around January 26,2023. Further evaluation of the replacement of the bridge over the Myakkahatchee Creek determined that it is desirable to extend the limits of improvements to connect to the existing four-lane divided roadway, just west of Sumter Boulevard, approximately 0.5 mile east of the Myakkahatchee Creek. This supplemental scope of services is to provide the design, permitting, survey and plans preparation services required to extend the project limits. The map provided below identifies the adjusted limits of improvements.



The following services are to be provided by the CONSULTANT or the CONSULTANT's team which includes sub-consultants providing Survey, Utility Investigation, and Geotechnical exploration and analysis.

## **DESCRIPTION OF SUPPLEMENTAL SERVICES**

This Supplemental Agreement modifies the contract to provide supplemental services as follows:

### **1. PROJECT GENERAL TASKS**

The CONSULTANT will manage the contract and provide coordination for additional work limits and an extended contract duration.

### **2. ROADWAY ANALYSIS AND PLANS**

The CONSULTANT will extend the limits of the ultimate four-lane roadway approximately 0.5 mile to the east to connect to the existing four-lane section just west of Sumter Boulevard.

### **3. DRAINAGE ANALYSIS AND PLANS**

The CONSULTANT will design and prepare plans for a conveyance system for the added limits as well as an offsite stormwater management facility (pond).

### **4. UTILITIES**

The CONSULTANT will evaluate potential utility conflicts for the added limits.

### **5. SIGNING AND PAVEMENT MARKING ANALYSIS AND PLANS**

The CONSULTANT will design and prepare signing and pavement marking plans for the added limits.

### **6. SURVEY AND UTILITY DESIGNATION**

The CONSULTANT's subconsultant, Cumbey & Fair, will provide survey and utility designation for the added limits of the roadway as well as the pond site in accordance with their attached scope of work.

### **7. GEOTECHNICAL SERVICES**

The CONSULTANT's subconsultant, Universal Engineering, will provide geotechnical services in accordance with their attached scope of work.

## **SECTION 2 DESIGN PHASES AND SUBMITTALS**

The design phase submittals with the added limits are proposed to begin with 60% since the details worked out during the already completed 30% design phase will be applicable to the extended limits.

Submittals will include: 60%, Permit, 90%, 100% and Final plans. The submittal details will be in accordance with the previously approved scope of services.

### **SECTION 3 MEETINGS AND COORDINATION**

Meetings and coordination will include phase review meetings, monthly progress reports, City Commission Meetings, and general coordination as required over the life of the contract.

### **SECTION 4 PROJECT SCHEDULE**

The project schedule for the Myakkahatchee Creek Bridge will be extended by 12 months.

### **SECTION 5 COST PROPOSAL**

The services described herein shall be provided for a lump sum cost as follows: \$218,988.00. A detailed estimate of work effort and sub-consultant information accompanies this proposal.

The cost proposal herein does not include costs for permit application fees to respective environmental agencies. The cost for permitting, if paid by CONSULTANT, shall be reimbursable by the CITY in full upon submittal of fees justification.

**ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT**

Name of Project:	Price Blvd. Supplemental Agreement No. 8										CES/American			
	Staff Classification	Total Staff Hours From "SH Summary -	Project Manager	Senior Engineer	Project Engineer	El ("Jr Eng.")	Designer	Senior Scientist	Junior Scientist	Chief Designer	Staff Classification 9	Staff Classification 10	SH By Activity	Salary Cost By Activity
3. Project General and Project Common Tasks	84	84	0	0	0	0	0	0	0	0	0	84	\$23,100	\$275.00
4. Roadway Analysis	371	56	19	111	111	74	0	0	0	0	0	371	\$62,361	\$168.09
5. Roadway Plans	138	21	7	41	41	28	0	0	0	0	0	138	\$23,190	\$168.04
6a. Drainage Analysis	166	25	8	50	50	33	0	0	0	0	0	166	\$27,838	\$167.70
6b. Drainage Plans	91	14	5	27	27	18	0	0	0	0	0	91	\$15,377	\$168.98
7. Utilities	24	4	1	7	7	5	0	0	0	0	0	24	\$4,044	\$168.50
8. Environmental Permits, and Env. Clearances	67	7	0	27	0	0	13	20	0	0	0	67	\$11,589	\$172.97
19. Signing & Pavement Marking Analysis	81	12	4	24	24	17	0	0	0	0	0	81	\$13,535	\$167.10
20. Signing & Pavement Marking Plans	20	3	1	6	6	4	0	0	0	0	0	20	\$3,356	\$167.80
<b>Total Staff Hours</b>	1,042	226	45	293	266	179	13	20	0	0	0	1,042		
<b>Total Staff Cost</b>		\$62,150.00	\$12,375.00	\$55,084.00	\$30,324.00	\$19,869.00	\$2,548.00	\$2,040.00	\$0.00	\$0.00	\$0.00		\$184,390.00	\$176.96

Check = \$184,390.00

<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$184,390.00</b>
Subconsultant: Cumbey & Fair		\$19,998.00
Subconsultant: Universal		\$14,600.00
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$218,988.00</b>

Project Activity 3: General Tasks

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1.11	Other Agency Meetings	LS	4	2	8	2 SWFWMD, USACOE, FWC
<b>3.1 Public Involvement Subtotal</b>					<b>8</b>	
3.3.1	Specifications Package Preparation	LS	0	12	0	N/A Incl. in original
3.4	Contract Maintenance and Project Documentation	LS	1	60	60	12 months @ 5 hours each
3.6	Prime Consultant Project Manager Meetings	LS	1	16	16	See listing below

**Project Activity 3: General Tasks**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	0	0	To be separate hourly agreement
3.9	Digital Delivery	LS	1	0	0	N/A Incl. in original
<b>3. Project Common and Project General Tasks Total</b>					<b>84</b>	

<b>3.6 - List of Project Manager Meetings</b>	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	2	4	8	
Drainage	EA	0	4	0	
Utilities	EA	2	4	8	
<b>Total Project Manager Meetings</b>		8		16	Total PM Meeting Hours carries to Task 3.6 above

- Notes:**
1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
  2. Do not double count agency meetings between permitting agencies.
  3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

**Project Activity 4: Roadway Analysis**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.5	Horizontal /Vertical Master Design Files	LS	1	80	80	Extend full typical 2200 feet
4.8	Cross Section Design Files	LS	1	55	55	
4.9	Temporary Traffic Control Plan Analysis	LS	1	40	40	
4.10	Master TTCP Design Files	LS	1	32	32	Four phases at 8 hours each
4.15	Quantities for EQ Report	LS	1	60	60	
4.16	Cost Estimate	LS	1	24	24	8 hours for initial and 4 hours each for 4 future updates
<b>Roadway Analysis Technical Subtotal</b>					<b>291</b>	



**Project Activity 4: Roadway Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.19	Field Reviews	LS	1	16	16	
4.21	Technical Meetings	LS	1	16	16	Meetings are listed below
4.22	Quality Assurance/Quality Control	LS	%	5%	15	
4.24	Supervision	LS	%	5%	15	
<b>Roadway Analysis Nontechnical Subtotal</b>					<b>62</b>	
4.25	Coordination	LS	%	5%	18	
<b>4. Roadway Analysis Total</b>					<b>371</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Phase Review Meetings	EA	4	4	16	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>				<b>16</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>2</b>

Carries to 4.21

Carries to Tab 3

**Project Activity 5: Roadway Plans**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.2.1	Typical Sections		EA	1	8	8	typical section adjustments
5.6	Profile Sheet	40	Sheet	4	6	24	
5.7	Plan Sheet	40	Sheet	4	6	24	
5.16	Cross Sections		EA	44	0.5	22	
5.17	Temporary Traffic Control Plan Sheets		Sheet	16	3	48	4 phases x 4 additional sheets
<b>Roadway Plans Technical Subtotal</b>						<b>126</b>	
5.26	Quality Assurance/Quality Control		LS	%	5%	6	
5.27	Supervision		LS	%	5%	6	
<b>5. Roadway Plans Total</b>						<b>138</b>	

Project Activity 6a: Drainage Analysis

Estimator:

Price Boulevard  
SA#6

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	1	24	24	for added limits
6a.9	Design of Storm Drains	EA	12	3	36	
6a.13	Drainage Design Documentation Report	LS	1	8	8	for added limits

Project Activity 6a: Drainage Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.15	Temporary Drainage Analysis	LS	1	16	16	For TTCP phasing
6a.16	Quantities for EQ Report	Drainage Structures	12	Calculated Hours	8	
		Phase 2 Submittal		8		
6a.17	Cost Estimate	LS	1	8	8	
<b>Drainage Analysis Technical Subtotal</b>					<b>136</b>	
6a.24	Field Reviews	LS	1	8	8	
6a.27	Quality Assurance/Quality Control	LS	%	5%	7	
6a.29	Supervision	LS	%	5%	7	
<b>Drainage Analysis Nontechnical Subtotal</b>					<b>22</b>	
6a.30	Coordination	LS	%	5%	8	
<b>6a. Drainage Analysis Total</b>					<b>166</b>	

6b. Drainage Plans

Estimator: <b>6b. Drainage Plans Staff Hours</b> <span style="float: right;">Price Boulevard SA#6</span>									
Representing		Print Name						Signature / Date	
FDOT District									
Consultant Name									
<i>NOTE: Signature Block is optional, per District preference</i>									
Task No.	Task	Project Parameter			Staff Hours				Documentation
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated	Provide documentation when negotiated hours differ from the calculated hours.
6b.1	Drainage Map (Including Interchanges)	Length (Miles)	0.50	Mid Range	12	0	12	12	
6b.2	Bridge Hydraulics Recommendation Sheets	Bridges	0		0	0	0	0	
6b.3	Drainage Structures	Drainage Structures	12		30	0	30	30	
		Details	2						
6b.4	Lateral Ditches	Ditches	0	Standard	0	0	0	0	
			0	Complex					
		Cross Section Alignments	0						
6b.5	Retention/Detention/Floodplain Compensation Ponds	Ponds	1	Standard	28	0	28	28	
			0	Complex					
		Cross Section Alignments	2						
6b.6	Erosion Control Plan	Length (Miles)	0.50	Mid Range	1	0	1	1	
6b.7	SWPPP		Yes	Standard	6	0	6	6	
<b>Drainage Plans Technical Subtotal</b>					<b>77</b>	<b>0</b>	<b>77</b>	<b>77</b>	
6b.8	Quality Assurance/Quality Control	%	5%		10	0	10	10	
6b.9	Supervision	%	5%		4	0	4	4	
<b>6. Drainage Plans Total</b>					<b>91</b>	<b>0</b>	<b>91</b>	<b>91</b>	

**Project Activity 7: Utilities**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.3	Make Utility Contacts	LS	1	8	8	added limits
7.9	Utility Design Meeting	LS	0	4	0	
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	8	8	added limits
7.11	Utility Coordination/Followup	LS	1	8	8	added limits
7.15	Contract Plans to UAO(s)	LS	0	4	0	
7.16	Certification/Close-Out	LS	0	8	0	
<b>7. Utilities Total</b>					<b>24</b>	

**Project Activity 8: Environmental Permits**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Environmental Permits and Environmental Clearances</b>						
8.1	Preliminary Project Research	LS	0		0	included in prior scope
<b>Permits</b>						
8.2	<b>Field Work</b>					
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	12	12	
8.2.3	Species Surveys	LS	1	16	16	
8.3	Agency Verification of Wetland Data	LS	1	16	16	
8.4	<b>Complete And Submit All Required Permit Applications</b>					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	0	0	Section 404 Nationwide Permit either through FDEP or USACOE, and ERP
8.5	Coordinate and Review Dredge and Fill Sketches	LS	1	0	0	
8.6	<b>Complete and Submit Documentation for Coordination and/or USCG Permit Application</b>					
<b>Environmental Clearances/Reevaluations</b>						
<b>Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal</b>					<b>44</b>	
8.18	Technical Meetings	LS	1	16	16	Meetings are listed below
8.19	Quality Assurance/Quality Control	LS	%	5%	2	
8.20	Supervision	LS	%	5%	2	
<b>Environmental Permits and Environmental Clearances Nontechnical Subtotal</b>					<b>20</b>	
8.21	Coordination	LS	%	5%	3	
<b>8. Environmental Permits and Environmental Clearances Total</b>					<b>67</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	2	4	8			2
FDEP	EA	2	4	8			0
<b>Total Meetings</b>				<b>16</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>4</b>

Carries to 8.18

Carries to Tab 3

**Project Activity 19: Signing and Pavement Marking Analysis**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
19.3	Signing and Pavement Marking Master Design File	LS	1	55	55	
19.7	Quantities for EQ Report	LS	1	8	8	
19.8	Cost Estimate	LS	1	4	4	
<b>Signing and Pavement Marking Analysis Technical Subtotal</b>					<b>67</b>	
19.11	Field Reviews	LS	1	4	4	
19.13	Quality Assurance/Quality Control	LS	%	5%	3	
19.15	Supervision	LS	%	5%	3	
<b>Signing and Pavement Marking Analysis Nontechnical Subtotal</b>					<b>10</b>	
19.16	Coordination	LS	%	5%	4	
<b>19. Signing and Pavement Marking Analysis Total</b>					<b>81</b>	



**Project Activity 20: Signing and Pavement Marking Plans**

Estimator: Bill Adams

Price Boulevard  
SA#6

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	0	4	0	0	included in original
20.2	General Notes/Pay Item Notes		Sheet	0	4	0	0	included in original
20.4	Plan Sheet		Sheet	3	6	3	18	
<b>Signing and Pavement Marking Plans Technical Subtotal</b>						<b>3</b>	<b>18</b>	
20.12	Quality Assurance/Quality Control		LS	%	5%		1	
20.13	Supervision		LS	%	5%		1	
<b>20. Signing and Pavement Marking Plans Total</b>						<b>3</b>	<b>20</b>	

October 18, 2023

**William L. Adams, PE**  
Project Manager/Principal  
American Consulting Professionals, LLC  
2041 Vista Parkway, Suite 101  
West Palm Beach, FL 33411  
Phone: 561.253.9567

**Re: Proposal/Scope for Survey/SUE Services for Additional Topo on City of Northport Project along Price Blvd East of Myakkahatchee Creek**

**Scope of Services**

Cumbey & Fair is pleased to submit this proposal/fee estimate to provide Survey services to American Consulting Professionals for the above-referenced City of Northport project at Price Blvd. Cumbey & Fair, Inc. will prepare Survey data in accordance with F.A.C. 5J.050 thru 5J-17.053 Standards and Practice. The Survey scope includes the following:

- Provide Topo data from the exiting end of Survey at Eagles Flight Way/Creek Nine Drive to Station 141+50 (Approx. 2,200').
- Topo Survey data within the project limits (See Attachment "A" area in red) to include the following: depict all ditches, driveways, bridges, above-ground utilities, ground shots, edge of water, fences, sidewalks, culverts, drainage structures, inverts, curbs, edges of pavement, paved ditches, water meters, valves, junction boxes, manholes, power/light poles, mailboxes, and any other significant feature within the survey limits.
- Topo lateral limits shall be from R/W to R/W.
- Provide Topo for Pond Site (Approx. 3 acres).
- SUE Quality Level "B" Designation.
- Provide up to 12 SUE Quality Level "A" Test Holes (VH – verified vertical and horizontal) at EOR's request.
- Provide CAD file with the horizontal and vertical location for all Test holes, SUE field notes, and a SUE Test Hole Report depicting the aforesaid Quality Level "A" utility locations.
- SUE Survey for all Quality Level "B" Designation and Quality Level "A" Test Holes
- Horizontal Datum – NAD 83 (2011 Adjustment)
- Vertical Datum – NAVD 1988
- All field survey work shall be recorded in approved media and submitted.
- Deliverables include CADD file and Surveyor's Report.

**Survey and SUE Fee Estimate**

<b>Classification</b>	<b>Rate</b>	<b>Hours</b>	<b>Total</b>
<b>OFFICE</b>			
Senior Surveyor & Mapper	\$174.00	5	\$870
Surveyor & Mapper	\$145.00	8	\$1,160
Survey Technician	\$90.00	72	\$6,480
<b>FIELD</b>			
3-Person Survey Crew	\$180.00	80	\$14,400
SUE Crew	\$170.00	40	\$6,800
		<b>Total</b>	<b>\$29,710</b>

The total Lump Sum Fee Estimate is **\$29,710.00**

Proposed Survey Services will be delivered within forty (40) business days of the original Notice to Proceed date.

Please call or email if you have any questions.  
Sincerely,  
Cumbey & Fair, Inc.



Patrick McCormack  
Vice President – Sr. Survey Manager  
[pmccormack@cumbeyfair.com](mailto:pmccormack@cumbeyfair.com)

**Attachment "A"**



**Pond Site**



October 23, 2023

American Consulting Professionals, LLC  
4489 Woodbine Road  
Pace, FL 32571

Attention: William Adams

RE: **PROPOSAL TO PROVIDE GEOTECHNICAL SERVICES**  
Proposed Bridge Replacement Widening/Reconstruction & Pond  
Price Boulevard  
North Port, Sarasota County; Florida  
**UES Proposal Number:** 1130.1023.00046

Universal Engineering Sciences, LLC. (UES) appreciates this opportunity to submit this proposal to provide geotechnical services at the above referenced project. Our understanding of this project with our proposed scope of services and cost estimates, are presented below.

## **PROJECT DESCRIPTION**

The project under consideration involves the design of one (1) stormwater management pond, and the widening of the limits of the Price Boulevard bridge replacement to construct the full 4-lane divided section to connect to the existing 4-lane divided section to the west (approximately 0.5 miles). Aerial plans showing the project area were provided to us.

The purpose of our services is to explore and evaluate the soil conditions with respect to the planned design and provide recommendations to aid in groundwater considerations, foundation design, pavement, fill suitability, soil design parameters, and site soils preparation.

If this information is incorrect, please contact UES so that we modify our proposal, if necessary.

## **SCOPE OF SERVICES**

Based upon your request and our current understanding of the project, we have included the following scope of services for the project.

- Contact the local underground utility clearance agency prior to beginning the field exploration
- Five (5) SPT borings to a depth of 15 feet below grade along the roadway shoulders
- Two (2) SPT borings to a depth of 35 feet below grade within the pond area
- Four (4) pavement cores
- Limited MOT
- All boring locations will be backfilled/grouted to grade upon work completion

Standard Penetration Test (ASTM D 1586) will be performed in the boring continuous to a depth of 10 feet and at five foot intervals to the boring termination. Our field representative will visually classify the soil samples at each test interval and place them in clean containers which are labeled for future identification. Groundwater levels will be obtained in the boring upon initial encounter.

The soil samples will be transported to our laboratory for visual classification testing, and to evaluate the pertinent engineering properties. At the completion of the field and laboratory testing services we will prepare a report under the direction of a registered professional engineer which contains the following information at a minimum:

- Soil boring logs and visual soil classifications
- Existing groundwater levels & estimated seasonal high groundwater level
- Foundation recommendations and soil bearing capacity
- Site preparation recommendations
- Pavement recommendations
- Existing asphalt/base thickness
- Fill Suitability
- Depth of the confining layer
- Soil Design Parameters
- Laboratory testing results

## **SCHEDULE**

Based upon our current schedule at the time of this proposal, we anticipate completing the field exploration and laboratory testing program and issuing a geotechnical report within 3 to 4 weeks upon receipt of written authorization to proceed. Preliminary findings can be provided via email prior to the release of the final report upon completion of the field and laboratory testing program to expedite your civil engineering design schedule.

## **FEE**

UES is prepared to perform the geotechnical exploration for the total fee of **\$14,600.00**.

**Enclosed you will find our Work Authorization/Proposal Acceptance Form. If you wish for us to proceed, please have the party responsible for payment sign the appropriate space on the Work Authorization/Proposal Acceptance Form and return one copy to us.**

Universal Engineering Sciences, LLC appreciates this opportunity to offer our services, and we are looking forward to the assignment. Please call if you have any questions.

Sincerely,

**UNIVERSAL ENGINEERING SCIENCES, LLC.**



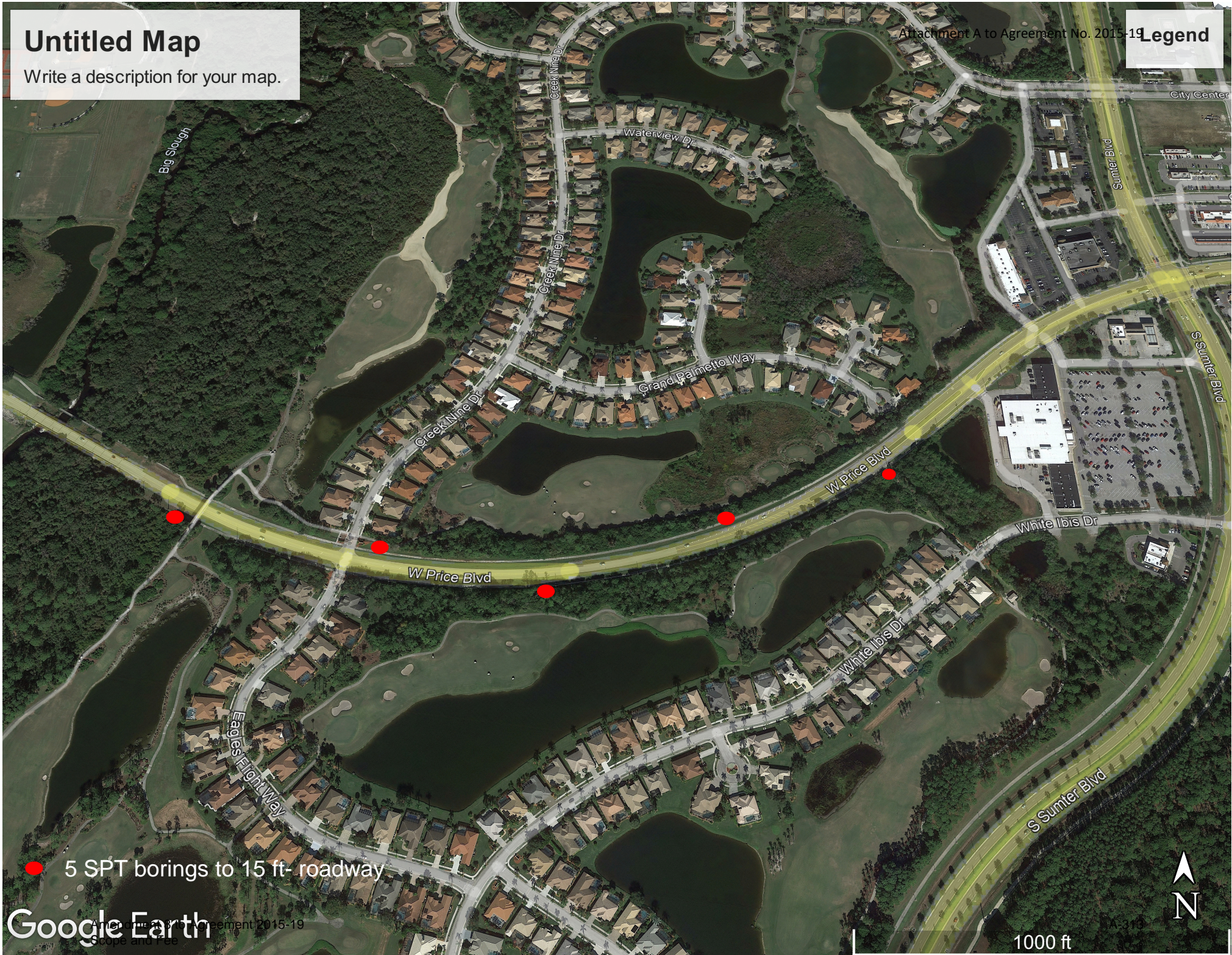
Yudelsy Epler  
Project Engineer



Robert Gomez, P.E.  
Regional Manager

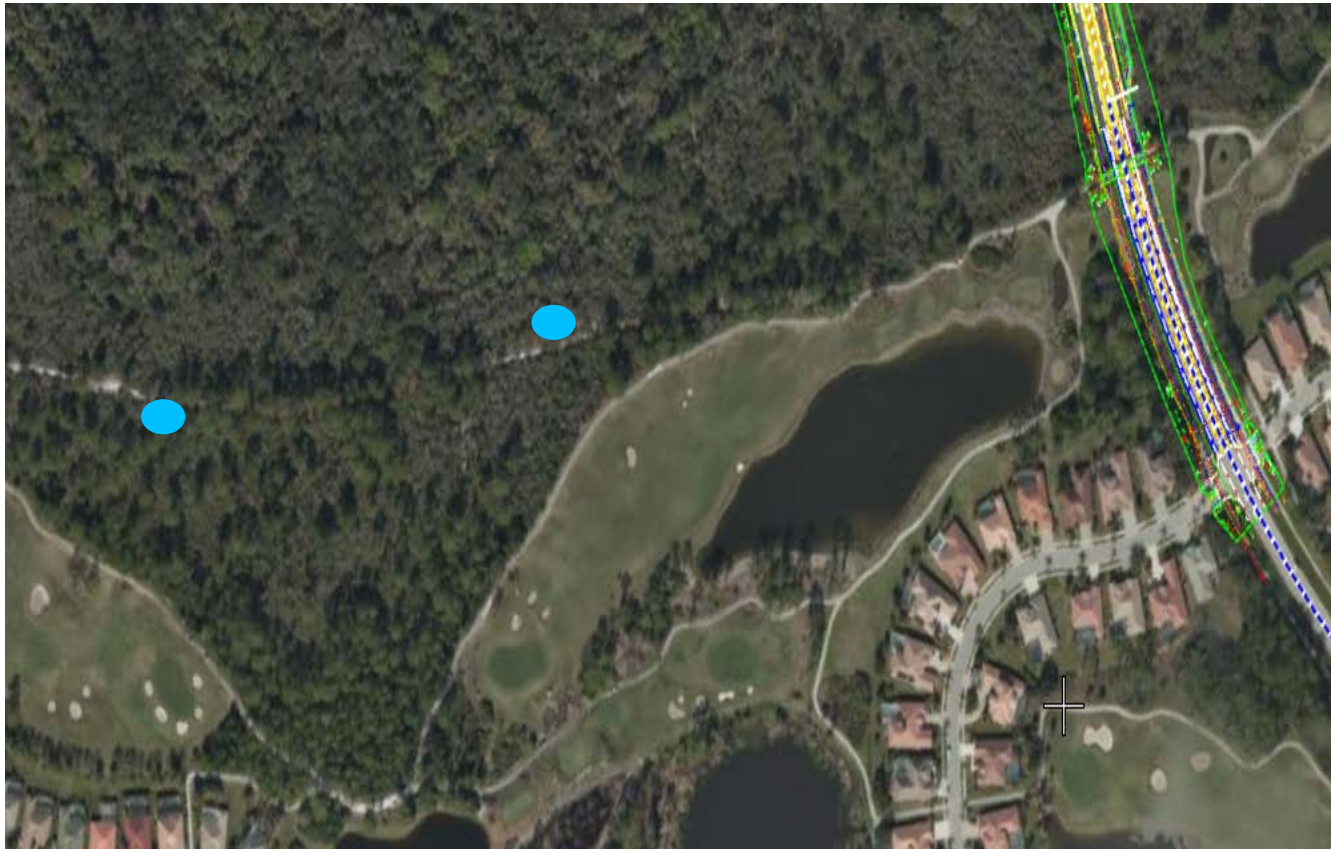
# Untitled Map

Write a description for your map.



● 5 SPT borings to 15 ft- roadway





● 2 SPT to 35 ft- Pond



- This fee proposal will remain effective for 60 days. If you should require more than 60 days to formally authorize us to proceed, we request that you permit us to update our proposal to account for any changes in costs.
- The client will be responsible for all applicable taxes.
- We will contact you immediately if we encounter subsurface conditions which could require the borings to be advanced to deeper depths, additional borings or other field testing, or engineering evaluations and/or studies outside the scope of this proposal. Any additional required services authorized by the client will be provided at our prevailing unit rate and/or lump sum fees.
- **Additional services after initial Geotechnical Report, recommendations, addendum letters, changes in design, consultations, or meetings if requested, will be invoiced at Universal Engineering Sciences' standard engineering rates or a minimum fee of \$625.00. This does not include additional field work/ testing.**
- We have assumed that all boring locations are accessible to standard, truck-mounted drilling equipment. We will contact you and send you a proposal for additional fee, if limited drilling paths (push-down vegetation) are required to access the boring locations in wooded areas. UES will need a survey showing any wetland areas within the property.
- We have assumed that you will grant our personnel Right of Access to the property. **If there are special access considerations (i.e. a locked gate), please provide us with the necessary information to gain entry to the site.** If we are unable to access the property upon arrival, additional charges may apply.
- **Due to the nature of the equipment required to perform the test borings, some property disturbance should be expected.** Our proposal does include limited site clean up including backfilling the boreholes with sand for safety considerations. **No other restoration services (i.e. pressure washing, landscaping, repairing wheel ruts, etc.) are included in this proposal.**
- UES will contact the local underground utility clearance agency prior to beginning the field exploration. However, it should be noted that there might be additional underground features, including private utilities and underground structures at the site, which may not be identified by the local underground utility company. Our proposal assumes that private utility lines will be located in the field by others prior to mobilization of the drill rig.
- UES will locate soil borings in the field by UES personnel measuring distances from the existing features identified on the plan provided by you. Some field adjustments may be required due to the existing building/property uses.
- Recommendations concerning other soil related considerations are beyond the scope of our exploration. This report presents an evaluation of site conditions on the basis of traditional geotechnical procedures for site characterization. Our work **will not** address the potential for surface expression of deep geological conditions, such as sinkhole development related to karst activity. The recovered samples **will not** be examined, either visually or analytically, for chemical composition or environmental hazards. Universal Engineering Sciences would be pleased to perform these services at additional cost, if you desire.



**UNIVERSAL ENGINEERING SCIENCES, LLC** Attachment A to Agreement No. 2015-19  
**Work Authorization / Proposal Acceptance Form**

PLEASE SIGN AND RETURN ONE COPY

Universal Engineering Sciences, LLC. (Universal) is pleased to provide the services described below. The purpose of this document is to describe the terms under which the services will be provided and to obtain formal authorization.

<b>PROJECT NAME:</b>	Price Blvd SA 7- GEO- 10.19.23		
<b>PROJECT LOCATION:</b>	Price Blvd, North Port, Florida		
<b>CLIENT NAME:</b>	American Consulting Professionals, LLC	<b>Attn:</b> William Adams	<b>Phone:</b> 850-289-1005
<b>CLIENT ADDRESS:</b>	4489 Woodbine Road, Pace, FL 32571	<b>Email:</b> WAdams@acp-fl.com	

**I. Scope of Services & Understanding of Project (See attached proposal or as indicated below).**

UES Opportunity No.: 1130.1023.00046  
 Total Service Estimate = \$ 14,600.00

**II. Contract Documents. The following documents form part of the Agreement and are incorporated herein by referral:**

A. Universal General Conditions.

In the event of any inconsistency or conflicting among the Contract Documents, the provision in that Contract Documents first listed above shall govern.

**III. Authority to proceed and for payment. (To be completed by Client)**

**A. Client Information:**

**Firm:** \_\_\_\_\_ **Social Security Number or** \_\_\_\_\_  
**Federal Identification No.:** \_\_\_\_\_

**Address:** \_\_\_\_\_ **City:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_

**Attention:** \_\_\_\_\_ **Title:** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

B. If the invoice is to be mailed for approval to someone other than the account charged, please indicate where, below:

**Firm:** \_\_\_\_\_

**Address:** \_\_\_\_\_ **City:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_

**Attention:** \_\_\_\_\_ **Title:** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**If invoice is to be charged to a credit card please complete info below:**

**Credit card:**  
 Visa \_\_\_\_\_ MasterCard \_\_\_\_\_ Discover \_\_\_\_\_ American Express \_\_\_\_\_

**CC #:** \_\_\_\_\_ **Exp.** \_\_\_\_\_

**Name as appears on card:** \_\_\_\_\_


**Address:** \_\_\_\_\_

**Amount:** \_\_\_\_\_ **3 or 4 digit Security Code (on back of card):** \_\_\_\_\_

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duty authorized representatives

this \_\_\_\_\_ day of \_\_\_\_\_, 2023.

**CLIENT:** \_\_\_\_\_ **UNIVERSAL ENGINEERING SCIENCES, LLC.**

**BY (signature):** \_\_\_\_\_ **BY (signature):**  \_\_\_\_\_

**NAME:** \_\_\_\_\_ **NAME: Robert I. Gomez**

**TITLE:** \_\_\_\_\_ **TITLE: Branch Manager**

**SECTION 1: RESPONSIBILITIES** 1.1 *Universal Engineering Sciences, LLC*, and its subsidiaries and affiliated companies ("UES"), is responsible for providing the services described under the Scope of Services. The term "UES" as used herein includes all of UES's agents, employees, professional staff, and subcontractors. 1.2 The Client or a duly authorized representative is responsible for providing UES with a clear understanding of the project nature and scope. The Client shall supply UES with sufficient and adequate information, including, but not limited to, maps, site plans, reports, surveys, plans and specifications, and designs, to allow UES to properly complete the specified services. The Client shall also communicate changes in the nature and scope of the project as soon as possible during performance of the work so that the changes can be incorporated into the work product. 1.3 The Client acknowledges that UES's responsibilities in providing the services described under the Scope of Services section is limited to those services described therein, and the Client hereby assumes any collateral or affiliated duties necessitated by or for those services. Such duties may include, but are not limited to, reporting requirements imposed by any third party such as federal, state, or local entities, the provision of any required notices to any third party, or the securing of necessary permits or permissions from any third parties required for UES's provision of the services so described, unless otherwise agreed upon by both parties in writing.

**SECTION 2: STANDARD OF CARE** 2.1 Services performed by UES under this Agreement will be conducted in a manner consistent with the level of care and skill ordinarily exercised by members of UES's profession practicing contemporaneously under similar conditions in the locality of the project. No other warranty, express or implied, is made. 2.2 Execution of this document by UES is not a representation that UES has visited the site, become generally familiar with local conditions under which the work is to be performed, or correlated personal observations with the requirements of the Scope of Services. It is the Client's responsibility to provide UES with all information necessary for UES to provide the services described under the Scope of Services, and the Client assumes all liability for information not provided to UES that may affect the quality or sufficiency of the services so described.

**SECTION 3: SITE ACCESS AND SITE CONDITIONS** 3.1 Client will grant or obtain free access to the site for all equipment and personnel necessary for UES to perform the work set forth in this Agreement. The Client will notify any possessors of the project site that Client has granted UES free access to the site. UES will take reasonable precautions to minimize damage to the site, but it is understood by Client that, in the normal course of work, some damage may occur, and the correction of such damage is not part of this Agreement unless so specified in the Scope of Services. 3.2 The Client is responsible for the accuracy of locations for all subterranean structures and utilities. UES will take reasonable precautions to avoid known subterranean structures, and the Client waives any claim against UES, and agrees to defend, indemnify, and hold UES harmless from any claim or liability for injury or loss, including costs of defense, arising from damage done to subterranean structures and utilities not identified or accurately located. In addition, Client agrees to compensate UES for any time spent or expenses incurred by UES in defense of any such claim with compensation to be based upon UES's prevailing fee schedule and expense reimbursement policy.

**SECTION 4: BILLING AND PAYMENT** 4.1 UES will submit invoices to Client monthly or upon completion of services. Invoices will show charges for different personnel and expense classifications. 4.2 Payment is due 30 days after presentation of invoice and is past due 31 days from invoice date. Client agrees to pay a finance charge of one and one-half percent (1 ½ %) per month, or the maximum rate allowed by law, on past due accounts. 4.3 If UES incurs any expenses to collect overdue billings on invoices, the sums paid by UES for reasonable attorneys' fees, court costs, UES's time, UES's expenses, and interest will be due and owing by the Client.

**SECTION 5: OWNERSHIP AND USE OF DOCUMENTS** 5.1 All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by UES, as instruments of service, shall remain the property of UES. Neither Client nor any other entity shall change or modify UES's instruments of service. 5.2 Client agrees that all reports and other work furnished to the Client or his agents, which are not paid for, will be returned upon demand and will not be used by the Client for any purpose. 5.3 UES will retain all pertinent records relating to the services performed for a period of five years following submission of the report or completion of the Scope of Services, during which period the records will be made available to the Client in a reasonable time and manner. 5.4 All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by UES, are prepared for the sole and exclusive use of Client, and may not be given to any other entity, or used or relied upon by any other entity, without the express written consent of UES. Client is the only entity to which UES owes any duty or duties, in contract or tort, pursuant to or under this Agreement.

**SECTION 6: DISCOVERY OF UNANTICIPATED HAZARDOUS MATERIALS** 6.1 Client represents that a reasonable effort has been made to inform UES of known or suspected hazardous materials on or near the project site. 6.2 Under this agreement, the term hazardous materials include hazardous materials, hazardous wastes, hazardous substances (40 CFR 261.31, 261.32, 261.33), petroleum products, polychlorinated biphenyls, asbestos, and any other material defined by the U.S. EPA as a hazardous material. 6.3 Hazardous materials may exist at a site where there is no reason to believe they are present. The discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work. The discovery of unanticipated hazardous materials may make it necessary for UES to take immediate measures to protect health and safety. Client agrees to compensate UES for any equipment decontamination or other costs incident to the discovery of unanticipated hazardous materials. 6.4 UES will notify Client when unanticipated hazardous materials or suspected hazardous materials are encountered. Client will make any disclosures required by law to the appropriate governing agencies. Client will hold UES harmless for all consequences of disclosures made by UES which are required by governing law. In the event the project site is not owned by Client, Client it is the Client's responsibility to inform the property owner of the discovery of unanticipated hazardous materials or suspected hazardous materials. 6.5 Notwithstanding any other provision of the Agreement, Client waives any claim against UES, and to the maximum extent permitted by law, agrees to defend, indemnify, and save UES harmless from any claim, liability, and/or defense costs for injury or loss arising from UES's discovery of unanticipated hazardous materials or suspected hazardous materials including any costs created by delay of the project and any cost associated with possible reduction of the property's value. Client will be responsible for ultimate disposal of any samples secured by UES which are found to be contaminated.

**SECTION 7: RISK ALLOCATION** 7.1 Client agrees that UES's liability for any damage on account of any breach of contract, error, omission, or professional negligence will be limited to a sum not to exceed \$50,000 or UES's fee, whichever is greater. If Client prefers to have higher limits on contractual or professional liability, UES agrees to increase the limits up to a maximum of \$1,000,000.00 upon Client's written request at the time of accepting UES's proposal provided that Client agrees to pay an additional consideration of four percent of the total fee, or \$400.00, whichever is greater. If Client prefers a \$2,000,000.00 limit on contractual or professional liability, UES agrees to increase the limits up to a maximum of \$2,000,000.00 upon Client's written request at the time of accepting UES's proposal provided that Client agrees to pay an additional consideration of four percent of the total fee, or \$800.00, whichever is greater. The additional charge for the higher liability limits is because of the greater risk assumed and is not strictly a charge for additional professional liability insurance. 7.2 Client shall not be liable to UES and UES shall not be liable to Client for any incidental, special, or consequential damages (including lost profits, loss of use, and lost savings) incurred by either party due to the fault of the other, regardless of the nature of the fault, or whether it was committed by Client or UES, their employees, agents, or subcontractors; or whether such liability arises in breach of contract or warranty, tort (including negligence), statutory, or any other cause of action. 7.3 As used in this Agreement, the terms "claim" or "claims" mean any claim in contract, tort, or statute alleging negligence, errors, omissions, strict liability, statutory liability, breach of contract, breach of warranty, negligent misrepresentation, or any other act giving rise to liability.

**SECTION 8: INSURANCE** 8.1 UES represents it and its agents, staff and consultants employed by UES, is and are protected by worker's compensation insurance and that UES has such coverage under public liability and property damage insurance policies which UES deems to be adequate. Certificates for all such policies of insurance shall be provided to Client upon request in writing. Within the limits and conditions of such insurance, UES agrees to indemnify and save Client harmless from and against loss, damage, or liability arising from negligent acts by UES, its agents, staff, and consultants employed by it. UES shall not be responsible for any loss, damage or liability beyond the amounts, limits, and conditions of such insurance or the limits described in Section 7, whichever is less. The Client agrees to defend, indemnify, and save UES harmless for loss, damage or liability arising from acts by Client, Client's agents, staff, and others

employed by Client. **8.2** Under no circumstances will UES indemnify Client from or for Client's own actions, negligence, or breaches of contract. **8.3** To the extent damages are covered by property insurance, Client and UES waive all rights against each other and against the contractors, consultants, agents, and employees of the other for damages, except such rights as they may have to the proceeds of such insurance.

**SECTION 9: DISPUTE RESOLUTION** **9.1** All claims, disputes, and other matters in controversy between UES and Client arising out of or in any way related to this Agreement will be submitted to mediation or non-binding arbitration, before and as a condition precedent to other remedies provided by law. **9.2** If a dispute arises and that dispute is not resolved by mediation or non-binding arbitration, then: (a) the claim will be brought in the state or federal courts having jurisdiction where the UES office which provided the service is located; and (b) the prevailing party will be entitled to recovery of all reasonable costs incurred, including staff time, court costs, attorneys' fees, expert witness fees, and other claim related expenses.

**SECTION 10: TERMINATION** **10.1** This agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof, or in the case of a force majeure event such as terrorism, act of war, public health or other emergency. Such termination shall not be effective if such substantial failure or force majeure has been remedied before expiration of the period specified in the written notice. In the event of termination, UES shall be paid for services performed to the termination notice date plus reasonable termination expenses. **10.2** In the event of termination, or suspension for more than three (3) months, prior to completion of all reports contemplated by the Agreement, UES may complete such analyses and records as are necessary to complete its files and may also complete a report on the services performed to the date of notice of termination or suspension. The expense of termination or suspension shall include all direct costs of UES in completing such analyses, records, and reports.

**SECTION 11: REVIEWS, INSPECTIONS, TESTING, AND OBSERVATIONS** **11.1** Plan review, private provider inspections, and building inspections are performed for the purpose of observing compliance with applicable building codes. Threshold inspections are performed for the purpose of observing compliance with an approved threshold inspection plan. Construction materials testing ("CMT") is performed to document compliance of certain materials or components with applicable testing standards. UES's performance of plan reviews, private provider inspections, building inspections, threshold inspections, or CMT, or UES's presence on the site of Client's project while performing any of the foregoing activities, is not a representation or warranty by UES that Client's project is free of errors in either design or construction. **11.2** If UES is retained to provide construction monitoring or observation, UES will report to Client any observed work which, in UES's opinion, does not conform to the plans and specifications provided to UES. UES shall have no authority to reject or terminate the work of any agent or contractor of Client. No action, statements, or communications of UES, or UES's site representative, can be construed as modifying any agreement between Client and others. UES's performance of construction monitoring or observation is not a representation or warranty by UES that Client's project is free of errors in either design or construction. **11.3** Neither the activities of UES pursuant to this Agreement, nor the presence of UES or its employees, representatives, or subcontractors on the project site, shall be construed to impose upon UES any responsibility for means or methods of work performance, superintendence, sequencing of construction, or safety conditions at the project site. Client acknowledges that Client or its contractor is solely responsible for project jobsite safety. **11.4** Client is responsible for scheduling all inspections and CMT activities of UES. All testing and inspection services will be performed on a will-call basis. UES will not be responsible for tests and inspections that are not performed due to Client's failure to schedule UES's services on the project, or for any claims or damages arising from tests and inspections that are not scheduled or performed.

**SECTION 12: ENVIRONMENTAL ASSESSMENTS** Client acknowledges that an Environmental Site Assessment ("ESA") is conducted solely to permit UES to render a professional opinion about the likelihood or extent of regulated contaminants being present on, in, or beneath the site in question at the time services were conducted. No matter how thorough an ESA study may be, findings derived from the study are limited and UES cannot know or state for a fact that a site is unaffected by reportable quantities of regulated contaminants as a result of conducting the ESA study. Even if UES states that reportable quantities of regulated contaminants are not present, Client still bears the risk that such contaminants may be present or may migrate to the site after the ESA study is complete.

**SECTION 13: SUBSURFACE EXPLORATIONS** **13.1** Client acknowledges that subsurface conditions may vary from those observed at locations where borings, surveys, samples, or other explorations are made, and that site conditions may change with time. Data, interpretations, and recommendations by UES will be based solely on information available to UES at the time of service. UES is responsible for those data, interpretations, and recommendations, but will not be responsible for other parties' interpretations or use of the information developed or provided by UES. **13.2** Subsurface explorations may result in unavoidable cross-contamination of certain subsurface areas, as when a probe or boring device moves through a contaminated zone and links it to an aquifer, underground stream, or other hydrous body not previously contaminated. UES is unable to eliminate totally cross-contamination risk despite use of due care. Since subsurface explorations may be an essential element of UES's services indicated herein, Client shall, to the fullest extent permitted by law, waive any claim against UES, and indemnify, defend, and hold UES harmless from any claim or liability for injury or loss arising from cross-contamination allegedly caused by UES's subsurface explorations. In addition, Client agrees to compensate UES for any time spent or expenses incurred by UES in defense of any such claim with compensation to be based upon UES's prevailing fee schedule and expense reimbursement policy.

**SECTION 14: SOLICITATION OF EMPLOYEES** Client agrees not to hire UES's employees except through UES. In the event Client hires a UES employee within one year following any project through which Client had contact with said employee, Client shall pay UES an amount equal to one-half of the employee's annualized salary, as liquidated damages, without UES waiving other remedies it may have.

**SECTION 15: ASSIGNS** Neither Client nor UES may delegate, assign, sublet, or transfer its duties or interest in this Agreement without the written consent of the other party.

**SECTION 16: GOVERNING LAW AND SURVIVAL** **16.1** This Agreement shall be governed by and construed in accordance with the laws of the jurisdiction in which the UES office performing the services hereunder is located. **16.2** In any of the provisions of this Agreement are held illegal, invalid, or unenforceable, the enforceability of the remaining provisions will not be impaired and will survive. Limitations of liability and indemnities will survive termination of this agreement for any cause.

**SECTION 17: INTEGRATION CLAUSE** **17.1** This Agreement represents and contains the entire and only agreement and understanding among the parties with respect to the subject matter of this Agreement, and supersedes any and all prior and contemporaneous oral and written agreements, understandings, representations, inducements, promises, warranties, and conditions among the parties. No agreement, understanding, representation, inducement, promise, warranty, or condition of any kind with respect to the subject matter of this Agreement shall be relied upon by the parties unless expressly incorporated herein. **17.2** This Agreement may not be amended or modified except by an agreement in writing signed by the party against whom the enforcement of any modification or amendment is sought.

**SECTION 18: WAIVER OF JURY TRIAL** Both Client and UES waive trial by jury in any action arising out of or related to this Agreement.

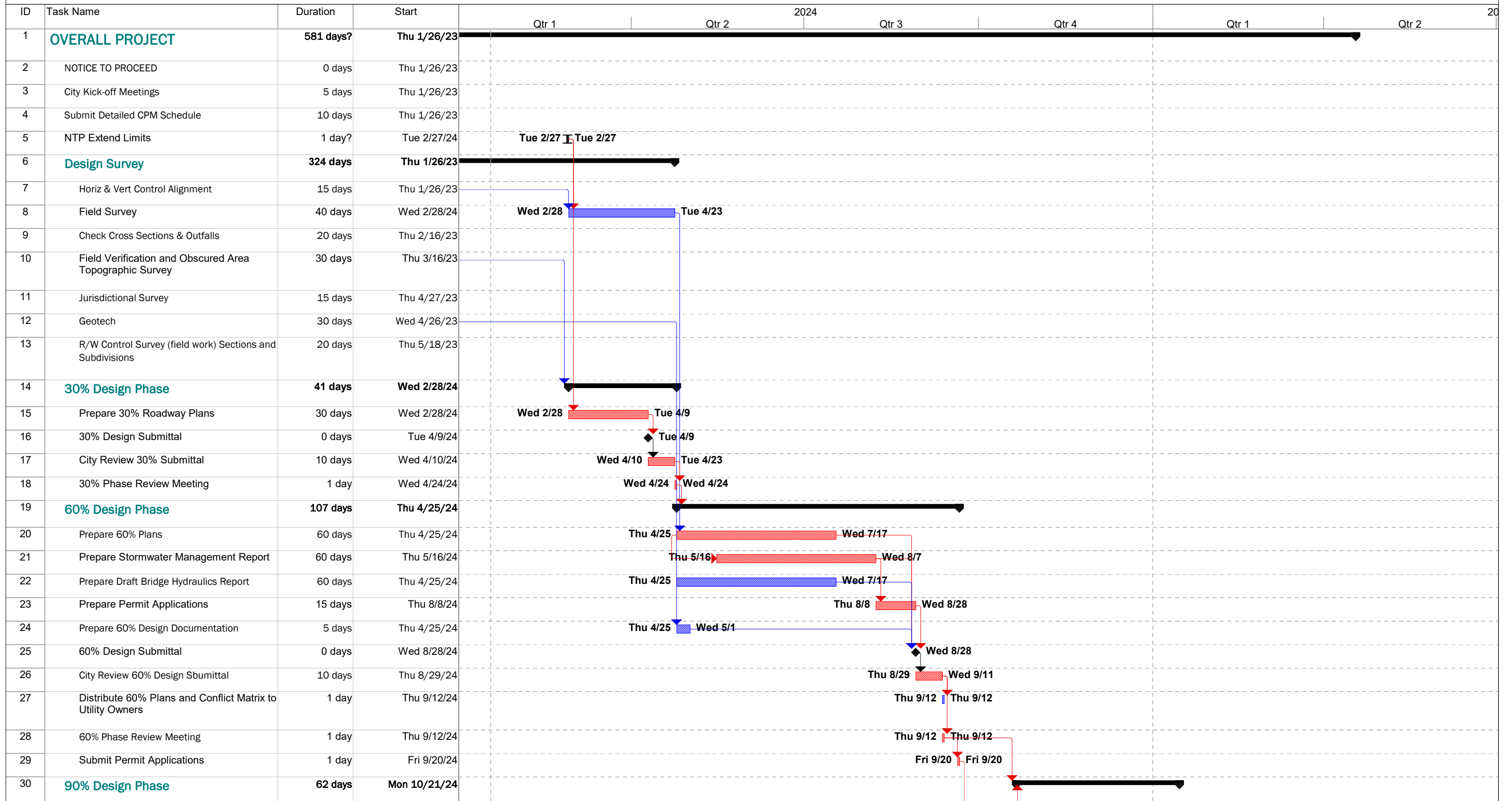
**SECTION 19: INDIVIDUAL LIABILITY PURSUANT TO FLORIDA STAT. 558.0035, AN INDIVIDUAL EMPLOYEE OR AGENT OF UES MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.**

**ATTACHMENT C – PROJECT SCHEDULE  
AMENDMENT EIGHT TO CONTRACT 2015-19**

**Bridge Schedule after Amendment 8**

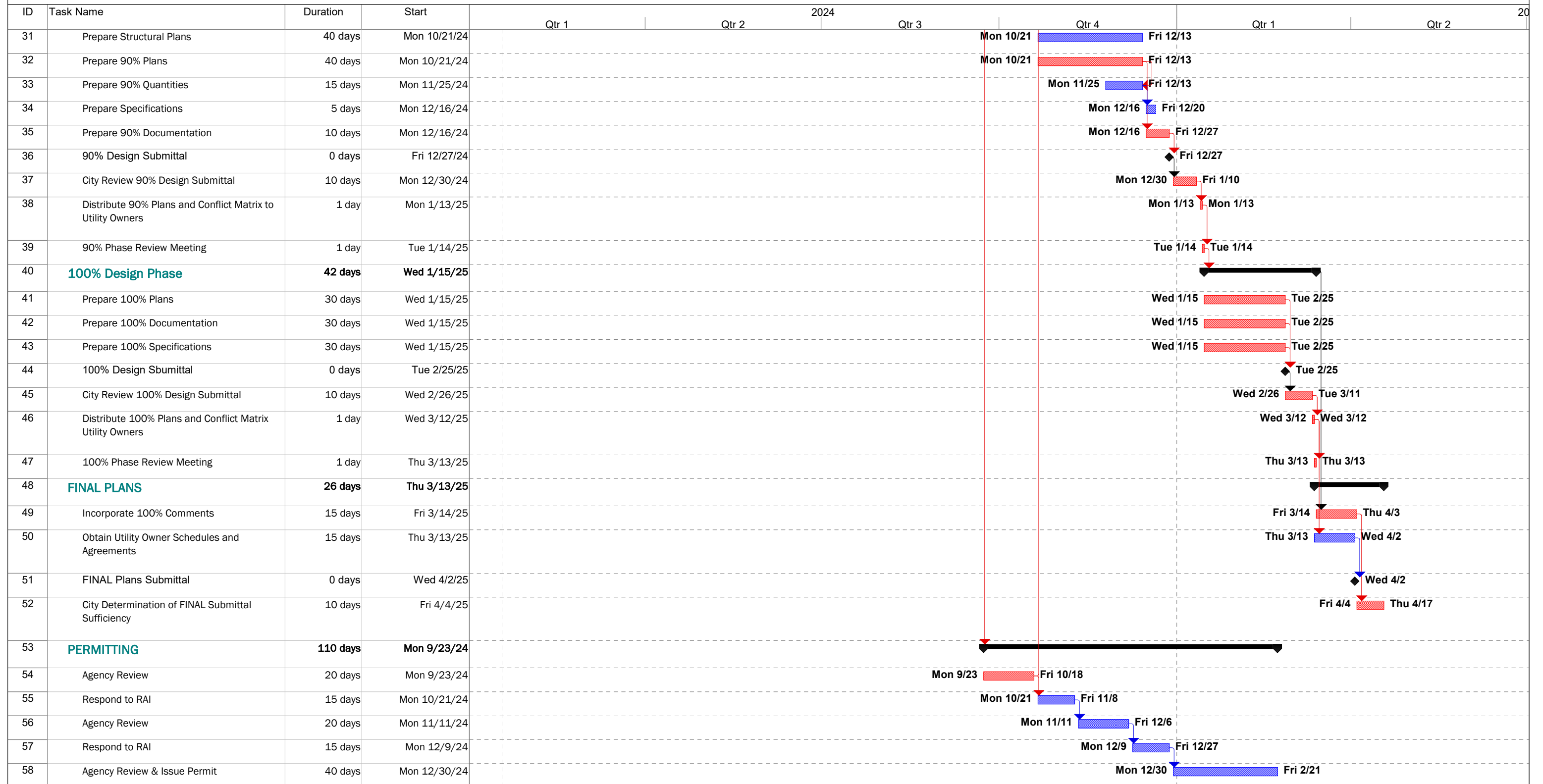
American Consulting Engineers of Florida LLC

**Price Boulevard Bridge over the Myakkahatchee Creek  
City of North Port**



**Bridge Schedule after Amendment 8**

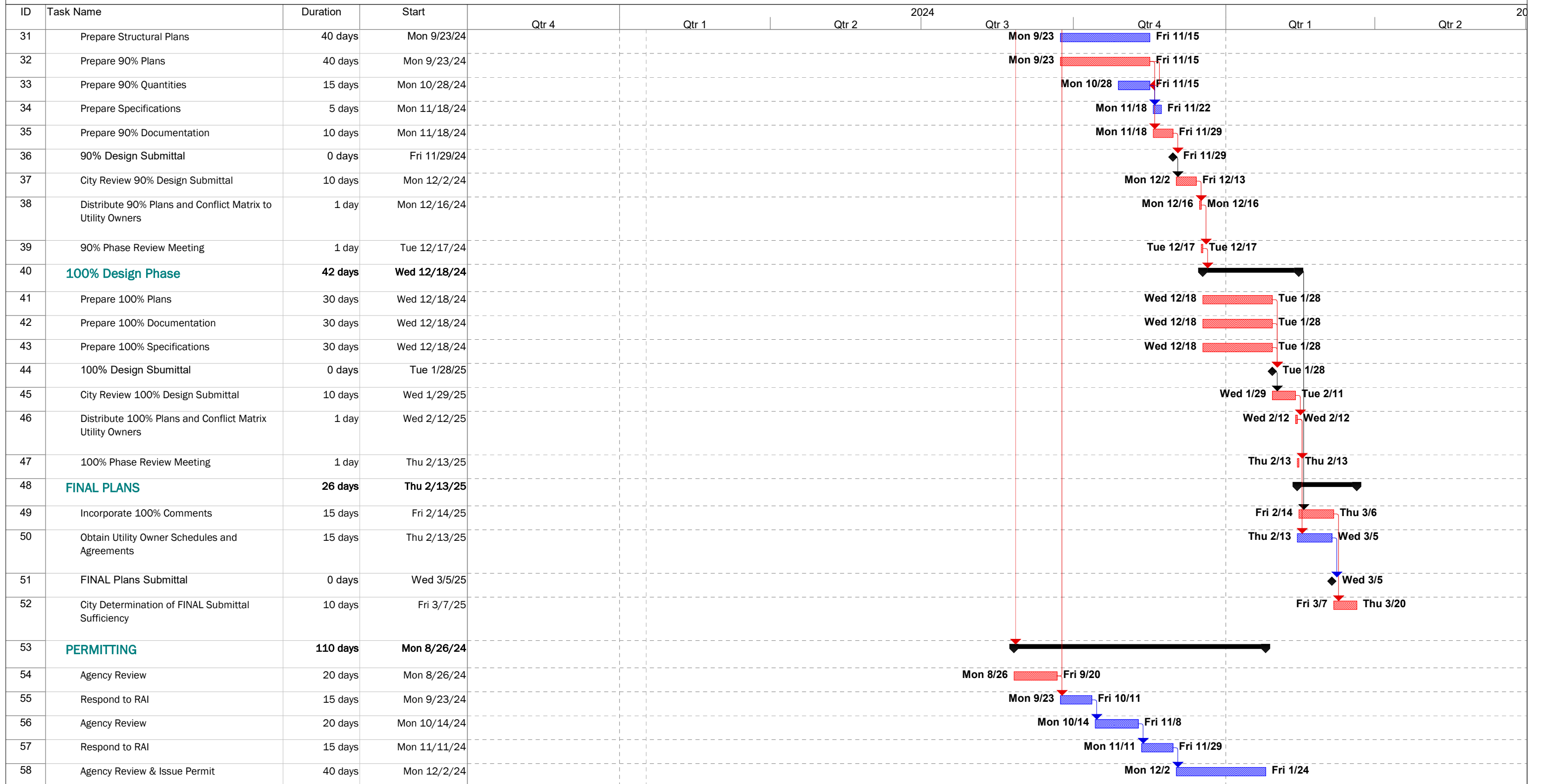
**Price Boulevard Bridge over the Myakkahatchee Creek  
City of North Port**



Original Bridge Schedule from Amendment 6

American Consulting Engineers of Florida LLC

Schedule is impacted by Amendment 8  
**Price Boulevard Boulevard Bridge over the Myakkahatchee Creek**  
**City of North Port**





Original Bridge Schedule from Amendment 6

Schedule will be impacted by Amendment 8  
**Price Boulevard Boulevard Bridge over the Myakkahatchee Creek**  
**City of North Port**

ID	Task Name	Duration	Start	Finish	Predecessors	2023	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	20
33	60% Phase Review Meeting	1 day	Fri 9/15/23	Fri 9/15/23	31				Fri 9/15	Fri 9/15			
34	Submit Permit Applications	1 day	Mon 9/25/23	Mon 9/25/23	33FS+5 days				Mon 9/25	Mon 9/25			
35	<b>90% Design Phase</b>	<b>62 days</b>	<b>Tue 10/24/23</b>	<b>Wed 1/17/24</b>	<b>33,59</b>								
36	Prepare Structural Plans	40 days	Tue 10/24/23	Mon 12/18/23					Tue 10/24	Mon 12/18			
37	Prepare 90% Plans	40 days	Tue 10/24/23	Mon 12/18/23					Tue 10/24	Mon 12/18			
38	Prepare 90% Quantities	15 days	Tue 11/28/23	Mon 12/18/23	37FF				Tue 11/28	Mon 12/18			
39	Prepare Specifications	5 days	Tue 12/19/23	Mon 12/25/23	38				Tue 12/19	Mon 12/25			
40	Prepare 90% Documentation	10 days	Tue 12/19/23	Mon 1/1/24	37				Tue 12/19	Mon 1/1			
41	90% Design Submittal	0 days	Mon 1/1/24	Mon 1/1/24	40					Mon 1/1			
42	City Review 90% Design Submittal	10 days	Tue 1/2/24	Mon 1/15/24	41					Tue 1/2	Mon 1/15		
43	Distribute 90% Plans and Conflict Matrix to Utility Owners	1 day	Tue 1/16/24	Tue 1/16/24	42					Tue 1/16	Tue 1/16		
44	90% Phase Review Meeting	1 day	Wed 1/17/24	Wed 1/17/24	43					Wed 1/17	Wed 1/17		
45	<b>100% Design Phase</b>	<b>42 days</b>	<b>Thu 1/18/24</b>	<b>Fri 3/15/24</b>	<b>44</b>								
46	Prepare 100% Plans	30 days	Thu 1/18/24	Wed 2/28/24						Thu 1/18	Wed 2/28		
47	Prepare 100% Documentation	30 days	Thu 1/18/24	Wed 2/28/24						Thu 1/18	Wed 2/28		
48	Prepare 100% Specifications	30 days	Thu 1/18/24	Wed 2/28/24						Thu 1/18	Wed 2/28		
49	100% Design Sbumittal	0 days	Wed 2/28/24	Wed 2/28/24	46,47,48						Wed 2/28		
50	City Review 100% Design Submittal	10 days	Thu 2/29/24	Wed 3/13/24	49						Thu 2/29	Wed 3/13	
51	Distribute 100% Plans and Conflict Matrix Utility Owners	1 day	Thu 3/14/24	Thu 3/14/24	50						Thu 3/14	Thu 3/14	
52	100% Phase Review Meeting	1 day	Fri 3/15/24	Fri 3/15/24	51						Fri 3/15	Fri 3/15	
53	<b>FINAL PLANS</b>	<b>26 days</b>	<b>Fri 3/15/24</b>	<b>Fri 4/19/24</b>									
54	Incorporate 100% Comments	15 days	Mon 3/18/24	Fri 4/5/24	45						Mon 3/18	Fri 4/5	
55	Obtain Utility Owner Schedules and Agreements	15 days	Fri 3/15/24	Thu 4/4/24	51						Fri 3/15	Thu 4/4	
56	FINAL Plans Submittal	0 days	Thu 4/4/24	Thu 4/4/24	55							Thu 4/4	
57	City Determination of FINAL Submittal Sufficiency	10 days	Mon 4/8/24	Fri 4/19/24	54						Mon 4/8	Fri 4/19	
58	<b>PERMITTING</b>	<b>110 days</b>	<b>Tue 9/26/23</b>	<b>Mon 2/26/24</b>	<b>34</b>								
59	Agency Review	20 days	Tue 9/26/23	Mon 10/23/23					Tue 9/26	Mon 10/23			
60	Respond to RAI	15 days	Tue 10/24/23	Mon 11/13/23	59				Tue 10/24	Mon 11/13			
61	Agency Review	20 days	Tue 11/14/23	Mon 12/11/23	60				Tue 11/14	Mon 12/11			
62	Respond to RAI	15 days	Tue 12/12/23	Mon 1/1/24	61				Tue 12/12	Mon 1/1			
63	Agency Review & Issue Permit	40 days	Tue 1/2/24	Mon 2/26/24	62					Tue 1/2	Mon 2/26		



