AGREEMENT #2015-19

PROFESSIONAL ENGINEERING SERVICES FOR THE WIDENING OF PRICE BOULEVARD, FROM SUMTER BOULEVARD TO TOLEDO BLADE BOULEVARD

THIS AGREEMENT ("Agreement") is made and entered into this **28TH day of SEPTEMBER, 2015**, by and between the CITY OF NORTH PORT, a municipal corporation of the State of Florida, hereinafter referred to as the "CITY" and **CHARLOTTE ENGINEERING AND SURVEYING, INC.**, a Florida Corporation and a wholly owned subsidiary of **AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC**, 1700 El Jobean Road, Port Charlotte, FL 33948, hereinafter referred to as "CONSULTANT."

WITNESSETH:

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties agree as follows:

1. CONSULTANT'S SERVICES

A. The CONSULTANT agrees to diligently and timely perform services for the CITY relating to Professional Engineering Services as identified in the Request for Proposal No. 2015-19 and CONSULTANT's proposal submitted **March 24, 2015**. The overall Scope of Services is described in **Attachment A** with detailed tasks and associated fees in **Attachment B**.

B. This Agreement shall commence immediately upon the execution of the Agreement by both the CITY and the CONSULTANT and upon the CONSULTANT's receipt of the written Notice to Proceed from the CITY's Purchasing Office and shall continue through the completion of the project. The estimated completion date is **September 26, 2016**.

2. COMPENSATION AND PAYMENT FOR CONSULTANT'S SERVICES

A. COMPENSATION

1. CONSULTANT shall receive a not to exceed amount of **TWO MILLION THREE HUNDRED NINETY-FOUR THOUSAND TWENTY-EIGHT DOLLARS AND THIRTY-ONE CENTS ($2,394,028.31)** 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.

2. The CITY's performance and obligation to pay under this Agreement are contingent upon an appropriation by the City Commission.

B. METHOD OF PAYMENT

1. The CITY shall pay the CONSULTANT through payment issued by the Finance Department in accordance with the Florida Local Government Prompt Payment Act, Chapter 218, Florida Statutes, upon receipt of the CONSULTANT's invoice and written approval of same by the

CITY's Administrative Agent indicating that services have been rendered in conformity with this Agreement. The CONSULTANT shall submit an invoice for payment to the CITY for those specific tasks as described in the Scope of Services that were completed during that invoicing period.

2. For those specific services that were partially completed, progress payments shall be paid in proportion to the percentage of completed work on those specific services approved in writing by the CITY's Administrative Agent based on the percentage of the amount for those specific services.

3. The CONSULTANT's invoices shall be in a form satisfactory to the City of North Port Finance Department, who shall initiate disbursements.

3. LIABILITY OF CONSULTANT

The CONSULTANT shall indemnify and hold harmless the CITY, its Commissioners, officers and employees, from all liabilities, damages, losses and costs (including, but not limited to, reasonable attorneys' fees and court costs, whether such fees and costs are incurred in negotiations, at the trial level or on appeal, or in the collection of attorneys' fees), to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the CONSULTANT, or CONSULTANT's officers, employees, agents, and other persons employed or utilized by the CONSULTANT in the performance of, or the failure to perform, the Agreement.

In the event of a claim, the CITY shall promptly notify the CONSULTANT in writing by prepaid certified mail (return receipt requested) or by delivery through any nationally recognized courier service (such as Federal Express or UPS) which provides evidence of delivery, at the address provided for receipt of notices in this Agreement. Such notification may also be provided by fax transmission to the following fax number:

FAX: 813.435.2601

The CITY shall provide all available information and assistance that the CONSULTANT may reasonably require regarding any claim. This agreement for indemnification shall survive termination or completion of the Agreement. The insurance coverage and limits required in this Agreement may or may not be adequate to protect the CITY and such insurance coverage shall not be deemed a limitation on the CONSULTANT's liability under the indemnity provided in this section. In any proceedings between the parties arising out of or related to this Indemnity provision, the prevailing party shall be reimbursed all costs, expenses and reasonable attorney fees through all proceedings (at both trial and appellate levels).

Nothing in this Agreement shall be deemed to affect the rights, privileges and immunities of the CITY as set forth in Florida Statute § 768.28.

4. CONSULTANT'S INSURANCE

A. INSURANCE

Before performing any work, CONSULTANT shall procure and maintain, during the life of the Agreement, the insurance listed below, unless otherwise specified. The policies of insurance shall be primary and written on forms acceptable to the CITY and placed with insurance carriers approved and licensed by the Insurance Department of the State of Florida and meet a minimum financial AM Best and Company rating of no less than "Excellent." No changes are to be made to these specifications without prior written specific approval by the City Manager or designee. The City Manager or designee may alter the amounts or types of insurance policies required by this Agreement upon agreement with CONSULTANT.

1. Workers Compensation: Coverage to apply for all employees at the statutory limits provided by state and federal laws. The policy must include Employers' Liability with a limit of $100,000 each accident; $100,000 each employee; and $500,000 policy limit for disease.

2. Professional Liability Insurance: Minimum $1,000,000 per occurrence for this project, and with a $1,000,000 policy term general aggregate. Coverage shall be extended beyond the policy year term either by a supplemental extended reporting period (ERP) with as great of duration as available, with no less coverage and reinstated aggregate limits, or by requiring that any new policy provide a retroactive date no later than the inception date of claims made. The City prefers all Professional Liability Insurance be written on an Occurrence Form; however, in the event that the professional liability insurance required by the Contract is written on a claims-made basis, **CONSULTANT** warrants that any retroactive date under the policy shall precede the effective date of this Contract; and that either continuous coverage will be maintained for a period of two (2) years or an extended reporting period (ERP) with tail coverage will be obtained and maintained for a period of two (2) years beginning at the time work under this Contract is completed.

3. Comprehensive Commercial General Liability Insurance: Occurrence from required. Aggregate must apply separately to this Agreement. Minimum $500,000 each occurrence; $1,000,000 general aggregate; $1,000,000 products and completed ops; and $100,000 fire damage.

4. Automobile Insurance: To include all vehicles owned, leased, hired and non-owned vehicles with limits of not less than $300,000 per each accident and for property damage and bodily injury, with contractual liability coverage for all work performed under this Agreement.

The City of North Port is to be named additional insured on Comprehensive Commercial General Liability Policy. Certification of same shall be required. All certificates of insurance must be on file with and approved by the CITY before commencement of any work activities under this Agreement.

Any and all deductibles to the above referenced policies are to be the responsibility of the CONSULTANT. The CONSULTANT's insurance is considered primary for any loss, regardless of any insurance maintained by the CITY. The CONSULTANT is responsible for all insurance policy premiums, deductibles, SIR (self-insured retentions) or any loss or portion of any loss that is not covered by any available insurance policy.

All insurance policies must be issued by companies of recognized responsibility licensed to do business in Florida and must contain a provision that prohibits cancellation unless the CITY is provided notice as stated within the policy. It is the CONSULTANT's responsibility to provide notice to the CITY.

B. WAIVER OF SUBROGATION

All required insurance policies with the exception of Professional Liability and Workers Compensation are to be endorsed with a waiver of subrogation. The insurance companies, by proper endorsement or thru other means, agree to waive all rights of subrogation against the CITY, its officers, officials, employees and volunteers, and the CITY's insurance carriers, for losses paid under the terms of these polices that arise from the contractual relationship or work performed by the CONSULTANT for the CITY. It is the CONSULTANT's responsibility to notify their insurance company of the Waiver of Subrogation and request written authorization or the proper endorsement. Additionally, the CONSULTANT, its officers, officials, agents, employees, volunteers, and any subcontractors, agree to waive all rights of subrogation against the CITY and its insurance carriers for any losses paid, sustained or incurred, but not covered by insurance, that arise from the contractual relationship or work performed. This waiver also applies to any deductibles or self-insured retentions the CONSULTANT or its agents may be responsible for.

C. POLICY FORM

1. All policies, required by this Agreement, with the exception of Professional Liability and Workers Compensation, or unless specific approval is given by Risk Management through the CITY's Purchasing Office, are to be written on an occurrence basis, shall name the City of North Port, its Commissioners, officers, agents, employees and volunteers as additional insured as their interest may appear under this Agreement. Insurer(s), with the exception of Professional Liability and Workers Compensation, shall agree to waive all rights of subrogation against the City of North Port, its Commissioners, officers, agents, employees or volunteers.

2. Insurance requirements itemized in this Agreement, and required of the CONSULTANT, shall be provided by or in behalf of all subcontractors to cover their operations performed under this Agreement. The CONSULTANT shall be held responsible for any modifications, deviations, or omissions in these insurance requirements as they apply to subcontractors.

3. Each insurance policy required by this Agreement shall:
   a. Apply separately to each insured against whom claim is made and suit is brought, except with respect to limits of the insurer's liability.

b. Be endorsed to state that coverage shall not be suspended, voided or cancelled by either party except after notice is delivered in accordance with the policy provisions. The CONSULTANT is to notify the City Purchasing Office by written notice via certified mail, return receipt requested.

4. The CITY shall retain the right to review, at any time, coverage, form, and amount of insurance.

5. The procuring of required policies of insurance shall not be construed to limit CONSULTANT's liability nor to fulfill the indemnification provisions and requirements of this Agreement. The extent of CONSULTANT's liability for indemnity of the CITY shall not be limited by insurance coverage or lack thereof, or unreasonably delayed for any reason, including but not limited to, insurance coverage disputes between the CONSULTANT and its carrier.

6. The CONSULTANT shall be solely responsible for payment of all premiums for insurance contributing to the satisfaction of this Agreement and shall be solely responsible for the payment of all deductibles and retentions to which such policies are subject, whether or not the CITY is an insured under the policy.

7. Claims Made Policies will be accepted for professional liability and hazardous materials and such other risks as are authorized by the CITY's Purchasing Office. All Claims Made Policies contributing to the satisfaction of the insurance requirements herein shall have an extended reporting period option or automatic coverage of not less than two (2) years. If provided as an option, the CONSULTANT agrees to purchase the extended reporting period on cancellation or termination unless a new policy is affected with a retroactive date, including at least the last policy year.

8. Certificates of Insurance evidencing Claims Made or Occurrences form coverage and conditions to this Agreement, as well as the Agreement number and description of work, are to be furnished to the CITY's Purchasing Office (4970 City Hall Boulevard, Suite 337, North Port, FL 34286) prior to commencement of work AND a minimum of thirty (30) calendar days prior to expiration of the insurance contract when applicable. All insurance certificates shall be received by the CITY's Purchasing Office before the CONSULTANT will be allowed to commence or continue work. The Certificate of Insurance issued by the underwriting department of the insurance carrier shall certify compliance with the insurance requirements provided herein.

9. Notices of Accidents (Occurrences) and Notices of Claims associated with work being performed under this Agreement shall be provided to the CONSULTANT's insurance company and the CITY's Purchasing Office as soon as practicable after notice to the insured.

5. RESPONSIBILITY OF THE CONSULTANT

A. The CONSULTANT shall be responsible for the professional quality, technical accuracy, and the coordination of all reports, designs, specifications, other documents and data used or produced by or at the behest of the CONSULTANT under this Agreement. The CONSULTANT shall, without additional compensation, correct or revise any errors or deficiencies in its reports, designs, specifications, other documents and data.

B. If the CONSULTANT is comprised of more than one legal entity, each entity shall be jointly and severally liable hereunder.

C. The CONSULTANT warrants that it has not employed or retained any company or person (other than a bona fide employee working solely for the CONSULTANT), to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual, or firm other than a bona fide employee working solely for the CONSULTANT, any fee, commission, percentage, gift or any other consideration, contingent upon or resulting from the award of this Agreement.

D. CONSULTANT shall perform its services in accordance with generally accepted industry standards and practices customarily utilized by competent consultant firms in effect at the time CONSULTANT's services are rendered. The CONSULTANT covenants and agrees that it and its employees shall be bound by the Standards of Conduct of Florida Statutes, Section 112.313, as it relates to work performed under this Agreement. The CONSULTANT agrees to incorporate the provisions of this paragraph in any subcontract into which it might enter with reference to the work performed.

E. The CONSULTANT shall comply with all federal, state, and local laws, regulations and ordinances applicable to the work or payment for work thereof, and shall not discriminate on the grounds of race, color, religion, sex, or national origin in the performance of work under this Agreement.

F. The CONSULTANT shall maintain books, records, documents, and other evidence directly pertaining to or connected with the services under this Agreement which shall be available and accessible at the CONSULTANT's offices for the purpose of inspection, audit, and copying during normal business hours by the CITY, or any of its authorized representatives. Such records shall be retained for a minimum of three (3) years after completion of the services.

G. In accordance with F.S. §119.0701, CONSULTANT shall comply with all public records laws, and shall specifically:

(a) Keep and maintain public records that ordinarily and necessarily would be required by the City in order to perform the service.

(b) Provide the public with access to public records on the same terms and conditions that the City would provide the records and at a cost that does not exceed the cost provided in chapter 119 or as otherwise provided by law.

(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.

(d) Meet all requirements for retaining public records and transfer, at no cost, to the City all public records in possession of the Consultant upon termination of the Agreement and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the City in a format that is compatible with the information technology systems of the City.

Failure of the CONSULTANT to comply with these requirements shall be a material breach of this Agreement.

6. OWNERSHIP AND USE OF DOCUMENTS

It is understood and agreed that all the documents, or reproducible copies, developed by the CONSULTANT in connection with its services, including but not limited to reports, designs, specifications, and data, shall be delivered to, and shall become the property of the CITY as they are received by the CITY and when CONSULTANT has been fully compensated as set forth herein. CONSULTANT may keep copies of all work products for its records. The CONSULTANT hereby assigns all its copyright and other proprietary interests in the products of this Agreement to the CITY. Specific written authority is required from the CITY's Administrative Agent for the CONSULTANT to use any of the work products of this Agreement on any non-CITY project.

Notwithstanding the above, any reuse of the work products by the CITY on other projects will be at the risk of the CITY.

7. TIMELY PERFORMANCE OF CONSULTANT'S PERSONNEL

The timely performance and completion of the required services is vitally important to the interest of the CITY. The CONSULTANT shall assign a Project Manager, together with such other personnel as are necessary, to assure faithful prosecution and timely delivery of services pursuant to the requirements of this Agreement. The personnel assigned by the CONSULTANT to perform the services of this Agreement shall comply with the information presented in the professional services response proposal made a part hereof by reference. The CONSULTANT shall ensure that all key personnel, support personnel, and other agents are fully qualified and capable to perform their assigned tasks. Any change or substitution to the CONSULTANT's key personnel must receive the CITY's Administrative Agent's written approval before said changes or substitution can become effective.

A. The services to be rendered by the CONSULTANT shall commence within one (1) week of the CONSULTANT's receipt of written Notice to Proceed from the CITY.

B. The CONSULTANT specifically agrees that all work performed under the terms and conditions of this Agreement shall be completed within the time limits as set forth, subject only to delays caused through no fault of the CONSULTANT or the CITY. Time is of the essence in the performance of this Agreement.

C. The CONSULTANT agrees to provide to the CITY's Administrative Agent, monthly written progress reports concerning the status of the work. The CITY's Administrative Agent may determine the format for this progress report. The CITY shall be entitled at all times to be advised at its request, and in writing, as to the status of work to be performed by the CONSULTANT.

D. In the event unreasonable delays occur on the part of the CITY or regulatory agencies as to the approval of any plans, permits, reports or other documents submitted by the CONSULTANT which delay the Project Schedule completion date, the CITY shall not unreasonably withhold the granting of an extension of the Project Schedule time limitation equal to the aforementioned delay. The Project Schedule is attached as **Attachment C** and incorporated herein.

8. OBLIGATIONS OF CITY

A. The CITY's Administrative Agent is designated to serve as project coordinator and to do all things necessary to properly administer the terms and conditions of this Agreement. If necessary, a specific program manager will be authorized to perform the responsibilities of the CITY's Administrative Agent. The CITY shall designate any specific program manager in the Notice to Proceed. The responsibility of the CITY's Administrative Agent shall include:

1. Examination of all reports, sketches, drawings, estimates, proposals, and other documents presented by the CONSULTANT, and render in writing, decisions pertaining thereto within a reasonable time.

2. Transmission of instructions, receipt of information, interpretation and definition of CITY policies and decisions with respect to design, materials, and other matters pertinent to the work covered by this Agreement.

3. Review for approval or rejection all of the CONSULTANT's documents and payment requests.

B. The CITY shall, upon request, furnish the CONSULTANT with all existing data, plans, studies and other information in the CITY's possession which may be useful in connection with the work of this Project, all of which shall be and remain the property of the CITY and shall be returned to the CITY's Administrative Agent upon completion of the services to be performed by the CONSULTANT.

C. The CITY's Administrative Agent shall conduct periodic reviews of the work of the CONSULTANT necessary for the completion of the CONSULTANT's services during the period of this Agreement, and may make other CITY personnel available, where required and necessary to assist the CONSULTANT. The availability and necessity of said personnel to assist the CONSULTANT shall be determined solely within the discretion of the CITY. The CITY's technical obligations to this Project, if any, are stated in Specific Authorizations and Work Authorizations.

D. The CITY shall not provide any services to the CONSULTANT in connection with any claim brought on behalf of or against the CONSULTANT.

9. TERMINATION

A. The City Manager or designee shall have the right at any time upon thirty (30) calendar days written notice to the CONSULTANT to terminate the services of the CONSULTANT and, in that event, the CONSULTANT shall cease work and shall deliver to the CITY all documents (including but not limited to reports, designs, specifications, and all other data) prepared or obtained by the CONSULTANT in connection with its services. The CITY shall, upon receipt of the aforesaid documents, pay to the CONSULTANT and the CONSULTANT shall accept as full payment for its services, a sum of money equal to (1) the fee for each completed and accepted task as shown in Attachment A – Scope of Services and Attachment B – Consultant's Fee Schedule, plus (2) the percentage of the work completed in any commenced but uncompleted task, less (3) all previous payments in accordance with
Section II and any amounts withheld by the CITY to settle claims against or to pay indebtedness of the CONSULTANT in accordance with the provisions of the Agreement.

B. FUNDING IN SUBSEQUENT FISCAL YEARS: It is expressly understood by the CITY and the CONSULTANT that funding for any subsequent fiscal year of the Agreement is contingent upon appropriation of monies by the City Commissioners, and the continuing receipt of state of federal grant funding, if applicable. In the event that funds are not available or appropriated, the CITY reserves the right to terminate the Agreement. The CITY will be responsible for payment of any outstanding invoices and work completed by the CONSULTANT prior to such termination.

C. In the event that the CONSULTANT has abandoned performance under this Agreement, then the City Manager or designee may terminate this Agreement upon three (3) calendar days' written notice to the CONSULTANT indicating its intention to do so. The written notice shall state the evidence indicating the CONSULTANT's abandonment.

D. The CONSULTANT shall have the right to terminate services only in the event of the CITY failing to pay the CONSULTANT's properly documented and submitted invoice within ninety (90) calendar days of the approval by the CITY's Administrative Agent, or if the project is suspended by the CITY for a period greater than ninety (90) calendar days.

E. The City Manager or designee reserves the right to terminate and cancel this Agreement in the event the CONSULTANT shall be placed in either voluntary or involuntary bankruptcy, a receiver is appointed for the CONSULTANT or an assignment is made for the benefit of creditors.

F. In the event CONSULTANT breaches this Agreement, the CITY shall provide written notice of the breach and CONSULTANT shall have ten (10) days from the date the notice is received to cure. If CONSULTANT fails to cure within the ten (10) days, the City Manager or designee shall have the right to immediately terminate the Agreement and/or refuse to make any additional payment, in whole or in part, and, if necessary, may demand the return of a portion or the entire amount previously paid to CONSULTANT due to:

1. The quality of a portion or all of the CONSULTANT's work not being in accordance with the requirements of this Agreement;

2. The quantity of the CONSULTANT's work not being as represented in the CONSULTANT's Payment Request, or otherwise;

3. The CONSULTANT's rate of progress being such that, in the CITY's opinion, substantial or final completion, or both, may be inexcusably delayed;

4. The CONSULTANT's failure to use Agreement funds, previously paid the CONSULTANT by the CITY, to pay CONSULTANT's project related obligations including, but not limited to, subcontractors, laborers and material and equipment suppliers;

5. Claims made, or likely to be made, against the CITY or its property;

6. Loss caused by the CONSULTANT;

7. The CONSULTANT's failure or refusal to perform any of the obligations to the CITY, after written notice and a reasonable opportunity to cure as set forth above.

In the event that the CITY makes written demand upon the CONSULTANT for amounts previously paid by the CITY as contemplated in the clause, the CONSULTANT shall promptly comply with such demand. The CITY's rights hereunder survive the term of this Agreement, and are not waived by final payment and/or acceptance.

10. INDEPENDENT CONTRACTOR

The CONSULTANT is, and shall be, in the performance of all work services and activities under this Agreement, an independent contractor, and not an employee, agent or servant of the CITY. All persons engaged in any of the work or services performed pursuant to this Agreement shall at all times, and in all places, be subject to the CONSULTANT'S sole direction, supervision, and control. The CONSULTANT shall exercise control over the means and manner in which it and its employees perform

the work, and in all respects the CONSULTANT'S relationship and the relationship of its employees to the CITY shall be that of an independent contractor and not as employees or agents of the CITY. The CONSULTANT does not have the power or authority to bind the CITY in any promise, agreement or representation other than as specifically provided for in this Agreement. The CONSULTANT shall not pledge the CITY'S credit or make it a guarantor of payment of surety for any contract, debt, obligation, judgment, lien or any form of indebtedness. The CONSULTANT further warrants and represents that it has no obligation or indebtedness that would impair its ability to fulfill the terms of this Agreement.

11. ENTIRE AGREEMENT

This Agreement constitutes the sole and complete understanding between the parties and supersedes all agreements between them, whether oral or written with respect to the subject matter.

12. AMENDMENT

No amendment, change or addendum to this Agreement is enforceable unless agreed to in writing by both parties and incorporated into this Agreement. For any increase in the compensation for the services, the City Commissioners for the CITY and the duly authorized representative for the CONSULTANT shall agree in writing to this change. For all other changes, the CITY's Administrative Agent and the CONSULTANT's representative shall agree in writing to the change.

13. ASSIGNMENT

The CONSULTANT shall not assign any interest in this Agreement and shall not transfer any interest in same (whether by assignment or novation) without prior written consent of the City Manager or designee, except that claims for the money due or to become due the CONSULTANT from the CITY under this Agreement may be assigned to a financial institution or to a trustee in bankruptcy without such approval from the CITY. Notice of any such transfer or assignment due to bankruptcy shall be promptly given to the CITY.

14. WAIVER

The exercise by either party of any rights or remedies provided herein shall not constitute a waiver of any other rights or remedies available under this Agreement or any applicable law.

15. GOVERNING LAW, VENUE AND SEVERABILITY

The rights, obligations and remedies of the parties under this Agreement shall be governed by the laws of the State of Florida and the exclusive venue for any legal or judicial proceedings in connection with the enforcement or interpretation of this Agreement shall be in Sarasota County, Florida. If any term, condition or covenant of this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions of this Agreement shall be valid and binding on each party.

16. AUTHORITY

The parties covenant and agree that each is duly authorized to enter into and perform this Agreement and those executing this Agreement have all requisite power and authority to bind the parties.

17. NO HIRE

The CONSULTANT shall not hire any CITY employee associated with this project throughout the duration of the Agreement and for a period of one (1) year after completion.

18. NOTICES

Any notices, invoices, reports, or any other type of documentation required by this Agreement shall be sent by certified mail, return receipt requested, or via a recognized national courier service in a manner that provides for written or electronic record of delivery, to the addresses listed below:

CONSULTANT'S REPRESENTATIVE:	**CITY'S ADMINISTRATIVE AGENT:**
Ryan Forrestel, P.E.	
Project Manager	Project Engineer
Charlotte Engineering and Surveying, Inc.	City of North Port
2818 Cypress Ridge Boulevard, Suite 200	1100 N. Chamberlain Blvd.
Wesley Chapel, FL, 33544	North Port, FL 34286
TEL: 813.435.2648	TEL (941) 240-8320
FAX: 813.435.2601	FAX (941) 240-8073
EMAIL: rforrestel@acp-fl.com	EMAIL: bnewman@cityofnorthport.com

19. PARAGRAPH HEADINGS

Paragraph headings are for the convenience of the parties and for the reference purposes only and shall be given no legal effect.

20. ATTORNEYS' FEES

In any proceedings between the parties arising out of or related to this Agreement, the prevailing party shall be reimbursed all costs, expenses and reasonable attorney fees through all proceedings (at both trial and appellate levels).

21. CONFLICTS

In the event of any conflict between the provisions of this Agreement and RFP No. 2015-19 or the **CONSULTANT**'s response, which are made a part hereof by reference, the Agreement shall control.

IN WITNESS WHEREOF, the parties have executed the agreement as of the date first above written.

ATTEST:

By: _____
Helen Raimbeau, City Clerk, MMC

CITY OF NORTH PORT, FLORIDA

By: _____
Jonathan R. Lewis, City Manager, ICMA-CM

APPROVED AS TO FORM AND CORRECTNESS:

By: _____
Mark Moriarty, City Attorney

WITNESS:

By: _____

CHARLOTTEE ENGINEERING AND SURVEYING, INC.

By: _____
Signature

Ryan Forrestel
Print

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

	Description	Horizontal Scale	
(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 photogrammitrist, 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. Chanel 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 with 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 luminaries 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
McCrory 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.

4.18Community 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 CITYs website.

4.19Right-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

	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	Three (3) half size sets of bound construction drawings to CITY. 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) (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.
Submission of review plans and Other data	Three (3) half size sets of bound construction drawings to CITY. Two (2) copies of reports and design data to CITY.

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

All Project plans shall be complete at this stage.

Responsibility Chart-Construction Plans Preparation

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 Engineers 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

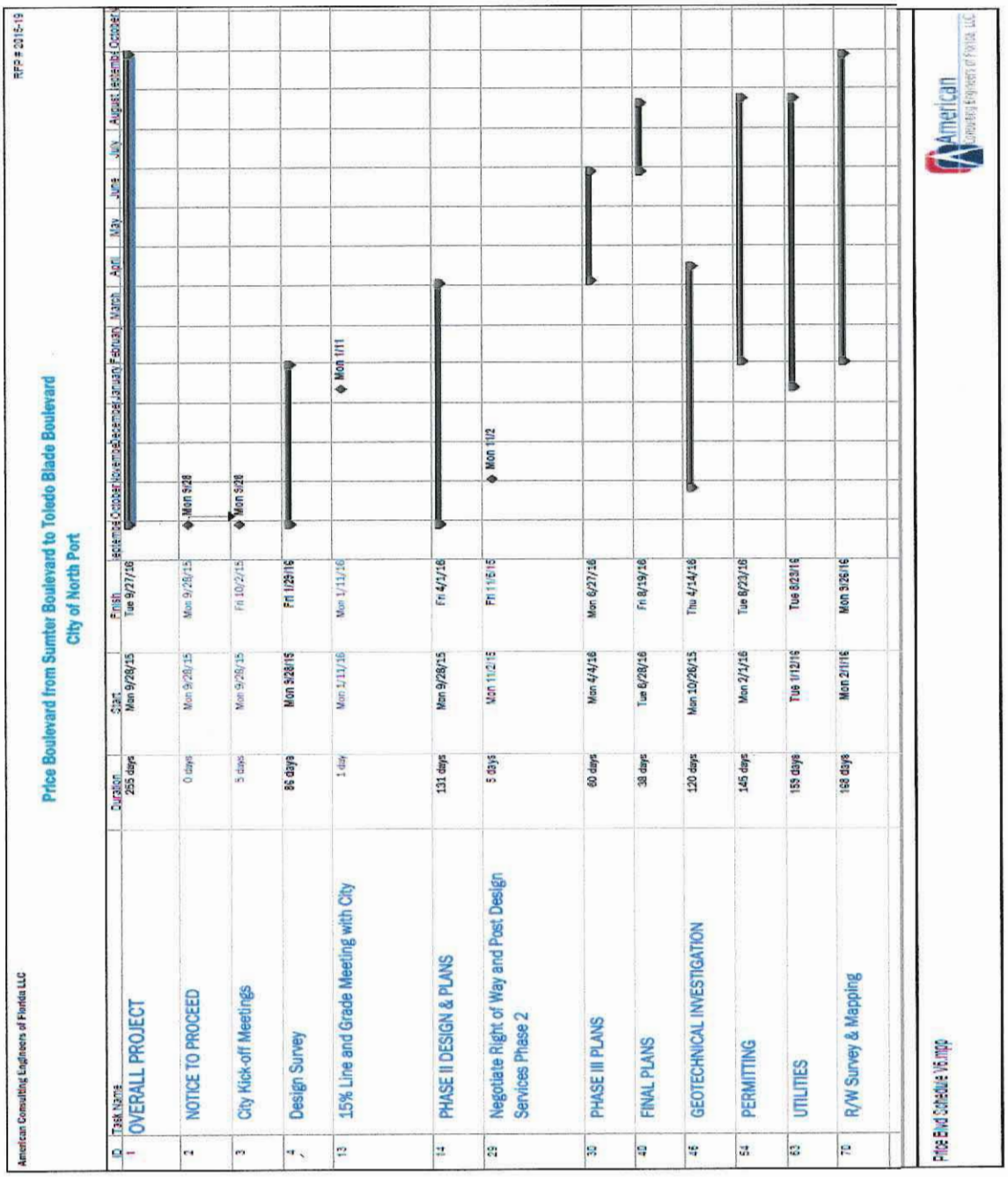
Name of Project: Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd
City: North Port
FPN:
FAP No.:

Consultant Name: American Consulting Professionals, LLC
Consultant No.:
Date: 6/26/2015
Estimator: Ryan Forrestel

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
		$221.00	$249.00	$199.00	$167.00	$101.00	$150.00	$99.00	$102.00	$125.00	$90.00	$105.00	$213.00	
3. Project General and Project Common Tasks	619	217	0	31	124	93	0	93	0	0	0	62	0	$99,944
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	467	701	468	467	0	0	0	0	0	0	$379,032
5. Roadway Plans	1,957	98	98	294	391	372	352	352	0	0	0	0	0	$295,083
6a. Drainage Analysis	1,106	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
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	90	2	18	18	27	24	0	0	0	0	0	0	0	$15,439
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	$25,052
18. Structures - Miscellaneous	100	2	2	20	30	15	31	0	0	0	0	0	0	$16,095
19. Signing & Pavement Marking Analysis	514	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	612	31	0	0	31	0	0	0	0	428	122	0	0	$76,508
26. Landscape Architecture Plans	540	27	0	0	26	0	0	0	0	108	378	0	0	$57,829
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	1,083	22	0	0	0	217	249	217	0	0	0	0	379	$166,339
Total Staff Hours	11,198	805	261	1,557	2,248	2,066	1,613	1,007	163	536	500	62	379	
Total Staff Cost		$177,905	$64,989	$309,843	$375,416	$208,866	$241,950	$99,693	$16,626	$67,000	$45,000	$6,510	$80,727	**$1,694,527.00**

				$1,694,527.00
SALARY RELATED COSTS:				$1,694,527.00
EXPENSES:	0.00%			$0.00
Survey (Field)	0	4-man crew days	$ - / day	$0.00
SUBTOTAL ESTIMATED (NOT TO EXCEED LUMP SUM FEE):				**$1,694,527.00**
Subconsult Strayer	(Survey)			$53,570.00
Subconsult Universal	(Geotechnical)			$28,225.00
Subconsult Cumbey & Fair	(SUE locates and designates)			$166,184.31
Subconsult Weiler	(Utilty design)			$197,310.00
Subconsult F Rooks	(LAMP)			$49,710.00
Subconsult FTE	(Signals and Lighting)			$204,502.00
Subconsult FL Acquistion & Apprai	(Appraisals)		*(Optional Services)*	$0.00
SUBTOTAL ESTIMATED FEE (NOT TO EXCEED):				**$699,501.31**
T&M Servic Weiler for Residential Collection and Transmission Sewer System			*(Optional Services)*	$341,830.00
T&M Servic Weiler for Post Design Services			*(Optional Services)*	$0.00
T&M Servic FL Acquistion & Apprai	(Acquisitions)		*(Optional Services)*	$0.00
T&M Servic American for Post Design Services			*(Optional Services)*	$0.00
T&M Servic American Government Services Corporation for Title Searches			*(Optional Services)*	$0.00
SUBTOTAL ESTIMATED FEE (TIME AND MATERIALS, NOT TO EXCEED):				**$0.00**
GRAND TOTAL ESTIMATED FEE (NOT TO EXCEED):				**$2,394,028.31**

ATTACHMENT C – PROJECT SCHEDULE



ADDITIONAL DETAILED INFORMATION
FOR ATTACHMENT B FOLLOWS

Representing	Print Name	Signature / Date
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
	3.1 Public Involvement Subtotal				**390**	
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
	3. Project Common and Project General Tasks Total				**619**	

3.6 - List of Project Manager Meetings	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	
Total Project Manager Meetings		57		129	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
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 Typicals)
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 incuded 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 incuded 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
	Roadway Analysis Technical Subtotal				**2010**	
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	
Roadway Analysis Nontechnical Subtotal					**258**	
4.24	Coordination	LS	%	3%	68	
4. Roadway Analysis Total					**2336**	

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
Subtotal Technical Meetings				**16**	**Subtotal Project Manager Meetings**	3
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*	- -
Total Meetings				**16**	**Total Project Manager Meetings (carries to Tab 3)**	**3**
				Carries to 4.17		Carries to Tab 3

Representing		Print Name	Signature / Date
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 Typicals)
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	
					Roadway Plans Technical Subtotal	**1779**	
5.27	Quality Assurance/Quality Control		LS	%	5%	89	
5.28	Supervision		LS	%	5%	89	
					5. Roadway Plans Total	**1957**	

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

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	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, Stromwater 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	
			Drainage Analysis Technical Subtotal		**926**	
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	
				Drainage Analysis Nontechnical Subtotal	**148**	
6a.25	Coordination	LS	%	3%	32	
				6a. Drainage Analysis Total	**1106**	

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
Subtotal Technical Meetings				**32**		7
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*	- -
Total Meetings				**32**	**Total Project Manager Meetings (carries to Tab 3)**	**7**
				Carries to 6.19		Carries to Tab 3

Representing	Print Name	Signature / Date
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
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	
					Drainage Plans Technical Subtotal	**1082**	
6b.13	Quality Assurance/Quality Control		LS	%	5%	54	
6b.14	Supervision		LS	%	5%	54	
					6. Drainage Plans Total	**1190**	

Representing	Print Name	Signature / Date
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American Consulting Professionals/CES		

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Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
	Environmental Permits, Compliances and Clearances					
8.1	Preliminary Project Research	LS	1	8	8	Desktop review of project site and identify any existing permits
	Permits					
8.2	**Field Work**					
8.2.1	Pond Site Alternatives	per pond site	1	6	6	Desktop review of ppond 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
8.4	**Complete And Submit All Required Permit Applications**					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	150	150	ERP permit application to SWFWMD and USACE, includes RAI respones, 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
	Environmental Clearances/Reevaluations					
8.13	**Technical support to Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)**					
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	**Preparation of Environmental Clearances and Reevaluations (use when consultant prepares all documents associated with reevaluation)**					
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
	Environmental Permits, Compliance, and Clearances/Reevaluations Technical Subtotal				**268**	
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	
	Environmental Permits, Compliance and Clearances Nontechnical Subtotal				**48**	
8.20	Coordination	LS	%	3%	9	
	8. Environmental Permits, Compliance and Clearances Total				**325**	

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
FFWCC	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	
Subtotal Technical Meetings					**22**	**Subtotal Project Manager Meetings**	4
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*	--
Total Meetings					**22**	**Total Project Manager Meetings (carries to Tab 3)**	**4**

Carries to 8.18

Carries to Tab 3

Representing	Print Name	Signature / Date
City of Northport		
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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	
	General Drawings						
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	
	Structures - Summary and Miscellaneous Tasks and Drawings Subtotal				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									

10-16	Bridge 10	0									
17	Retaining Walls	156								156	
18	Miscellaneous Structures	100									100
Structures Technical Subtotal		614	0	0	358	0	0	0	0	156	100

Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments
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	
Structures Nontechnical Subtotal					90	
9.15	Coordination	LS	1	0	0	
9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total					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
Subtotal Technical Meetings				**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*	- -
Total Meetings				**12**	**Total Project Manager Meetings (carries to Tab 3)**	**0**
				Carries to 9.11		Carries to Tab 3

Representing	Print Name	Signature / Date
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Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	General Layout Design and Plans						
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
	End Bent Design and Plans						
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
	Intermediate Bent Design and Plans						
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	
	Miscellaneous Substructure Design and Plans						
12.16	Foundation Layout	Sheet	1	12	1	12	
	Miscellaneous Superstructure Design and Plans						
12.17	Finish Grade Elevation Calculation	LS	1	8		8	
12.18	Finish Grade Elevations	Sheet	1	16	1	16	
	Cast-in-Place Slab Bridges						
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
	Prestressed Slab Unit Bridges						
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	
	Reinforcing Bar List						

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	
	Load Rating						
12.28	Load Ratings	EA Unit	1	12		12	Slab with legs
	12. Structures - Short Span Concrete Bridge Total				**15**	**358**	

Representing	Print Name	Signature / Date
City of Northport		
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Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	General Requirements						
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")
	Permanent Proprietary Walls						
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	
	Temporary Proprietary Walls						
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	
	Cast-in-Place Retaining Walls						
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	
	Other Retaining Walls and Bulkheads						
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
	17. Structures - Retaining Walls Total				**8**	**156**	

Representing	Print Name	Signature / Date
City of Northport		
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Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Concrete Box Culvert						
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	
	Strain Poles						
18.5	Steel Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.6	Concrete Strain Poles	Initial Config	3	8		24	Temporary Signals at 3 intersections
		EA Add'l Config	0	0		0	
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	
	Mast Arms						
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	
	Overhead/Cantilever Sign Structures						
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	
	High Mast Lighting						
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	
	Noise Barrier Walls (Ground Mount)						
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	
	Special Structures						
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	24		24	Special Light Pole foundations (spread footing or smaller shafts)
18. Structures - Miscellaneous Total					**2**	**100**	

Representing	Print Name	Signature / Date
City of Northport		
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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	
	Signing and Pavement Marking Analysis Technical Subtotal				**426**	
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	
	Signing and Pavement Marking Analysis Nontechnical Subtotal				**73**	
19.16	Coordination	LS	%	3%	15	
	19. Signing and Pavement Marking Analysis Total				**514**	

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
Subtotal Technical Meetings					**15**	**Subtotal Project Manager Meetings**	**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*	- -
Total Meetings					**15**	**Total Project Manager Meetings (carries to Tab 3)**	**0**

Carries to 19.12

Carries to Tab 3

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

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	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	
Signing and Pavement Marking Plans Technical Subtotal						**33**	**192**	
20.14	Quality Assurance/Quality Control		LS	%	5%		10	
20.15	Supervision		LS	%	5%		10	
20. Signing and Pavement Marking Plans Total						**33**	**212**	

Representing	Print Name	Signature / Date
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	
	Landscape Architecture Analysis Technical Subtotal				**522**	
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	
	Landscape Architecture Analysis Nontechnical Subtotal				**72**	
25.16	Project Coordination	LS	%	3%	18	
25.17	Interdisciplinary Coordination	LS	%	3%	18	
	25. Landscape Analysis Total				**612**	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
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
Subtotal Technical Meetings				**13**	**Subtotal Project Manager Meetings**	**3**
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	2	6	*PM attendance at Phase Review Meetings is manually entered on General Task 3*	- -
Total Meetings				**19**	**Total Project Manager Meetings (carries to Tab 3)**	**3**

Carries to 25.12

Carries to Tab 3

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

NOTE: Signature Block is optional, per District preference

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	
	Landscape Architecture Plans Technical Hours Subtotal					**54**	**490**	
26.15	Quality Assurance/Quality Control		LS	%	5%		25	
26.16	Supervision		LS	%	5%		25	
	26. Landscape Architecture Plans Total					**54**	**540**	

Representing	Print Name	Signature / Date
City of Northport		
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Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Master CADD File						
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)
	Sheet Files						
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
	Miscellaneous						

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	TIITF 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	
				Mapping Technical Subtotal	**0**	**920**	
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	
				Mapping Nontechnical Subtotal		**131**	
29.4	Coordination	LS	%	3%		32	Includes Coordination with Aerial Mapper/ Field Surveyor and City
29.4	Supplemental Mapping	LA	%	0%		0	
				29. Mapping Total	**0**	**1083**	

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
Subtotal Technical Meetings				**15**	**Subtotal Project Manager Meetings**	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*	- -
Total Meetings				**15**	**Total Project Manager Meetings (carries to Tab 3)**	**0**

Carries to 29.32

Carries to Tab 3

EST. 1987
STRAYER
SURVEYING & MAPPING INC.

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
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

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:

2-man field crew	-------	*$110.00*
2-man GPS crew	-------	*$150.00*
3-man field crew	-------	*$135.00*
Laborer	-------	*$40.00*
Computer drafting	-------	*$70.00*
Administrative	-------	*$40.00*
Professional Surveyor & Mapper	-------	*$110.00*

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 Sumter Blvd to Toledo Blade Blvd
County: North Port
FPN:
FAP No.:

Consultant Name: Cumbey and Fair
Consultant No.: enter consultants proj. number
Date: 5/19/2015
Estimator: Odell

Staff Classification	Total Staff Hours From "SH Summary - Firm"	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	Survey Technician	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$148.00	$125.00	$105.00	$85.00			
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	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)	397	0	0	0	0	0	0	0	0	40	119	40	198	397	$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!
Total Staff Hours	397	0	0	0	0	0	0	0	0	40	119	40	198	397		
Total Staff Cost		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$5,920.00	$14,875.00	$4,200.00	$16,830.00		**$41,825.00**	**$105.35**

Check = $41,825.00

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

SALARY RELATED COSTS:				$41,825.00
OVERHEAD:		0%		$0.00
OPERATING MARGIN:		0%		$0.00
FCCM (Facilities Capital Cost Money):		0.00%		$0.00
EXPENSES:		0.00%		$0.00
SUBTOTAL ESTIMATED FEE:				**$41,825.00**
Survey (Field)	16	3-man crew da	$ 1,275.00 / day	$20,198.49
SUE (Field)	79	3-man crew da	$ 1,315.00 / day	$104,160.82
SUBTOTAL ESTIMATED FEE:				**$166,184.31**
Optional Services				$0.00
GRAND TOTAL ESTIMATED FEE:				**$166,184.31**

27. Survey

Estimator:

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

Representing	Print Name	Signature / Date
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 R/W 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									
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 Clearing (1 mast arm is equalivant 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			Units/Day						
		EA			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
		EA			0.00		0.00		0.00	
27.19	Sectional / Grant Survey									
		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					
27.27	Work Zone Safety									
			86	0.1	8.64					
27.28	Miscellaneous Surveys									
					0.00		0.00		0.00	
Survey Subtotal				**Crew Days**	**95**	**Field Support Hours**	**130**	**Office Support Hours**	**216**	
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	
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								
			0.00						0	
27.33	Quality Assurance / Quality Control	LS								
								5%	11	
27.34	Supervision	LS								
								5%	18	
27.35	Coordination	LS								
								3%	6	
		27. Survey Total		Crew Days	95	Field Support Hours	130	Office Support Hours	267	

SPLS =
PLS =
Office Support =
Total Hours = 397

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
Subtotal Technical Meetings				**0**	**Subtotal PM Meetings**	**0**
Progress Meetings (if required by FDOT)	EA	0	0	0	**	- -
Phase Review Meetings	EA	0	0	0	**	- -
Total Meetings				**0**	**Total PM Mtgs (carries to Tab 3)**	**0**

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

(6/1/2015)

Description	Principal	Project Manager	Registered PE	Registered EI	Sr. Designer	Designer	Technician	Sr. Construction Insp.	Construction Insp.	Clerical	Total Hrs	Sub-Total
PHASE I: Task 4.06 Utility Coordination and Design (LUMP SUM)												
4.06.1 Utility Coordination												
1. Wastewater - Transmission Force Main												
a. Coordinate w/ Existing Utilities	0.00	2.67	2.67	2.67	2.67	0.00	0.00	0.00	0.00	1.33	12.00	
b. Pre-Design Conference	0.67	1.33	1.33	1.33	1.33	0.00	0.00	0.00	0.00	1.33	7.33	
c. Public Involvement (2 mtg total 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	0.67	6.67	6.67	6.67	4.00	0.00	0.00	0.00	0.00	4.00	28.67	
Hourly Rate	$190.00	$145.00	$145.00	$115.00	$100.00	$90.00	$80.00	$105.00	$90.00	$55.00		
Sub-Total Fee	$126.67	$966.67	$966.67	$766.67	$400.00	$0.00	$0.00	$0.00	$0.00	$220.00		$3,446.67
2. Potable Water - Distribution Main												
a. Coordinate w/ Existing Utilities	0.00	2.67	2.67	2.67	2.67	0.00	0.00	0.00	0.00	1.33	12.00	
b. Pre-Design Conference	0.67	1.33	1.33	1.33	1.33	0.00	0.00	0.00	0.00	1.33	7.33	
c. Public Involvement (2 mtg total 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	0.67	6.67	6.67	6.67	4.00	0.00	0.00	0.00	0.00	4.00	28.67	
Hourly Rate	$190.00	$145.00	$145.00	$115.00	$100.00	$90.00	$80.00	$105.00	$90.00	$55.00		
Sub-Total Fee	$126.67	$966.67	$966.67	$766.67	$400.00	$0.00	$0.00	$0.00	$0.00	$220.00		$3,446.67
3. Re-Use Water - Distribution Main												
a. Coordinate w/ Existing Utilities	0.00	2.67	2.67	2.67	2.67	0.00	0.00	0.00	0.00	1.33	12.00	
b. Pre-Design Conference	0.67	1.33	1.33	1.33	1.33	0.00	0.00	0.00	0.00	1.33	7.33	
c. Public Involvement (2 mtg total 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	0.67	6.67	6.67	6.67	4.00	0.00	0.00	0.00	0.00	4.00	28.67	
Hourly Rate	$190.00	$145.00	$145.00	$115.00	$100.00	$90.00	$80.00	$105.00	$90.00	$55.00		
Sub-Total Fee	$126.67	$966.67	$966.67	$766.67	$400.00	$0.00	$0.00	$0.00	$0.00	$220.00		$3,446.67
4.06.2 Design												
1. Wastewater - Transmission Force Main												
a. Concept Design 15%	2.00	16.00	24.00	32.00	16.00	24.00	0.00	0.00	0.00	2.00	116.00	
c. Design 60%	6.00	24.00	32.00	32.00	32.00	48.00	0.00	0.00	0.00	10.00	184.00	
d. Design 90%	2.00	16.00	24.00	32.00	16.00	24.00	0.00	0.00	0.00	4.00	118.00	
e. Design 100%	2.00	8.00	16.00	20.00	20.00	20.00	0.00	0.00	0.00	10.00	96.00	
Sub-Total Hours	12.00	64.00	96.00	116.00	84.00	116.00	0.00	0.00	0.00	26.00	514.00	
Hourly Rate	$190.00	$145.00	$145.00	$115.00	$100.00	$90.00	$80.00	$105.00	$90.00	$55.00		
Sub-Total Fee	$2,280.00	$9,280.00	$13,920.00	$13,340.00	$8,400.00	$10,440.00	$0.00	$0.00	$0.00	$1,430.00		$59,090.00
2. Potable Water - Distribution Main												
a. Concept Design 15%	2.00	16.00	24.00	32.00	16.00	24.00	0.00	0.00	0.00	2.00	116.00	
c. Design 60%	6.00	24.00	32.00	32.00	32.00	48.00	0.00	0.00	0.00	10.00	184.00	
d. Design 90%	2.00	16.00	24.00	32.00	16.00	24.00	0.00	0.00	0.00	4.00	118.00	
e. Design 100%	2.00	8.00	16.00	20.00	20.00	20.00	0.00	0.00	0.00	10.00	96.00	
Sub-Total Hours	12.00	64.00	96.00	116.00	84.00	116.00	0.00	0.00	0.00	26.00	514.00	
Hourly Rate	$190.00	$145.00	$145.00	$115.00	$100.00	$90.00	$80.00	$105.00	$90.00	$55.00		
Sub-Total Fee	$2,280.00	$9,280.00	$13,920.00	$13,340.00	$8,400.00	$10,440.00	$0.00	$0.00	$0.00	$1,430.00		$59,090.00
3. Re-Use Water - Distribution Main												
a. Concept Design 15%	2.00	12.00	24.00	32.00	16.00	24.00	0.00	0.00	0.00	2.00	112.00	
c. Design 60%	6.00	16.00	24.00	32.00	32.00	48.00	0.00	0.00	0.00	10.00	168.00	
d. Design 90%	2.00	16.00	24.00	32.00	16.00	24.00	0.00	0.00	0.00	4.00	118.00	
e. Design 100%	2.00	8.00	16.00	20.00	20.00	20.00	0.00	0.00	0.00	10.00	96.00	
Sub-Total Hours	12.00	52.00	88.00	116.00	84.00	116.00	0.00	0.00	0.00	26.00	494.00	
Hourly Rate	$190.00	$145.00	$145.00	$115.00	$100.00	$90.00	$80.00	$105.00	$90.00	$55.00		
Sub-Total Fee	$2,280.00	$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
4.06.3-4 Permitting												
1. Wastewater - Transmission Force Main	0.00	4.00	8.00	10.00	12.00	0.00	0.00	0.00	0.00	2.00	36.00	$4,200.00
2. Potable Water - Distribution Main	0.00	4.00	8.00	10.00	12.00	0.00	0.00	0.00	0.00	2.00	36.00	$4,200.00
3. Re-Use Water - Distribution Main	0.00	4.00	8.00	10.00	12.00	0.00	0.00	0.00	0.00	2.00	36.00	$4,200.00
Sub-Total Hours	0.00	12.00	24.00	30.00	36.00	0.00	0.00	0.00	0.00	6.00	108.00	
Hourly Rate	$190.00	$145.00	$145.00	$115.00	$100.00	$90.00	$80.00	$105.00	$90.00	$55.00		
Sub-Total Fee	$0.00	$1,740.00	$3,480.00	$3,450.00	$3,600.00	$0.00	$0.00	$0.00	$0.00	$330.00		$12,600.00
TOTAL HOURS	38.00	212.00	324.00	398.00	300.00	348.00	0.00	0.00	0.00	96.00	1,658.67	
HOURLY RATE	$190.00	$145.00	$145.00	$115.00	$100.00	$90.00	$80.00	$105.00	$90.00	$55.00		
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**
												PHASE I SUB-TOTAL (LUMP SUM)
OPTION A (OPTIONAL ADD-ON TO PHASE I)												
4.06.2 Private Sewering - Design & Permitting												
4. Residential Collection and Transmission System												

UTILITIES

Man-Hour Estimate for Professional Services Agreement - Price Boulevard (RFP No. 2015-19) - Sumter Boulevard to Toledo Blade Boulevard

City of North Port

~~(6/1/2015)~~

a. Concept Design 15%, Public Outreach/Stakeholder Input	32.00	80.00	80.00	100.00	40.00	84.00	0.00	0.00	0.00	24.00	420.00	
b. Preliminary Design 30%	16.00	60.00	80.00	100.00	140.00	100.00	0.00	0.00	0.00	16.00	512.00	
b. Design 60%	16.00	64.00	80.00	120.00	160.00	100.00	0.00	0.00	0.00	20.00	560.00	
c. Design 90%	8.00	64.00	80.00	100.00	120.00	100.00	0.00	0.00	0.00	16.00	488.00	
d. Design 100%	8.00	32.00	40.00	48.00	60.00	48.00	0.00	0.00	0.00	16.00	252.00	
e. Permiting & Funding Support	24.00	48.00	40.00	48.00	40.00	0.00	0.00	0.00	0.00	16.00	216.00	
f. Add'l Survey Contingency												$30,000.00
g. Post-design Services (Hourly NTE Estimate)[1]												$25,250.00
TOTAL HOURS	104.00	348.00	400.00	516.00	560.00	412.00	0.00	0.00	0.00	108.00	2448.00	
HOURLY RATE	$190.00	$145.00	$145.00	$115.00	$100.00	$90.00	$80.00	$105.00	$90.00	$55.00		
OPTION A SUB-TOTAL FEE (LUMP SUM)	$19,760.00	$50,460.00	$58,000.00	$59,340.00	$56,000.00	$37,080.00	$0.00	$0.00	$0.00	$5,940.00		**$341,830.00**

OPTION A SUB-TOTAL (LUMP SUM)

PHASE II: 4.16 Post-Design / Services During Construction (HOURLY NTE)[3]	**TOTAL HOURLY NTE**	**Wastewater**	**Potable Water**	**Re-Use Water**
1. Bidding Services & Negotiations	$7,500.00	$2,500.00	$2,500.00	$2,500.00
2. Periodic Site Visits	$15,000.00	$3,750.00	$7,500.00	$3,750.00
3. Shop Drawing Review	$10,000.00	$2,500.00	$5,000.00	$2,500.00
4. Respond to Contractors Questions	$12,500.00	$4,166.67	$4,166.67	$4,166.67
5. Review of As-Built Plan Information and Permit Closure	$7,000.00	$2,333.33	$2,333.33	$2,333.33
6. CEI Services as Requested from City[1]	TBD	TBD	TBD	TBD
TOTAL HOURLY NTE[2]	**$52,000.00**	$15,250.00	$21,500.00	$15,250.00

OPTION A Private Sewering - Post-Design / Services During Construction for Private Sewering (HOURLY NTE)[4]	**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	$6,250.00
5. Review of As-Built Plan Information and Permit Closure	$3,500.00
6. CEI Services as Requested from City[1]	TBD
TOTAL HOURLY NTE[2]	**$25,250.00**

[1] 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.

[2] 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 Phase Services.

[3] 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.

[4] 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.ifrooks.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 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: 6/2/2015
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	$95.00	$55.00	$60.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00			
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	#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	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	#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!
Total Staff Hours	1,811	66	446	203	782	290	27	0	0	0	0	0	0	1,814		
Total Staff Cost		$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		**$204,502.00**	**$112.74**

Check = $204,502.00

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

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

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	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
Signalization Analysis Technical Subtotal					**597**	
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	
Signalization Analysis Nontechnical Subtotal					**108**	

Project Activity 21: Signalization Analysis

21.19	Coordination	LS	%	3%	21	
	21. Signalization Analysis Total				**726**	

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
Subtotal Technical Meetings				**12**	**Subtotal Project Manager Meetings**	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*	--
Total Meetings				**12**	**Total Project Manager Meetings (carries to Tab 3)**	**0**

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	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
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 arm.
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
Signalization Plans Technical Subtotal						**20**	**186**	
22.17	Quality Assurance/Quality Control		LS	%	7%		13	
22.18	Supervision		LS	%	7%		13	
22. Signalization Plans Total						**20**	**212**	

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	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 altenatives (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
	Lighting Analysis Technical Subtotal				**479**	
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	
	Lighting Analysis Nontechnical Subtotal				**88**	
23.18	Coordination	LS	%	3%	17	
	23. Lighting Analysis Total				**584**	

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
Subtotal Technical Meetings				12	**Subtotal Project Manager Meetings**	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*	- -
Total Meetings				12	**Total Project Manager Meetings (carries to Tab 3)**	0

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	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 (TRNS•Port) Input		Sheet	0	0	0	0	N/A
24.3	Tabulation of Quantities		Sheet	3	8	3	24	12hrs 1st sheet + 6/hrs/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
					Lighting Plans Technical Subtotal	**41**	**185**	
24.13	Quality Assurance/Quality Control		LS	%	7%		13	
24.14	Supervision		LS	%	7%		13	
					24. Lighting Plans Total	**41**	**211**	