CITY OF NORTH PORT

CONTRACT/AGREEMENT AMENDMENT FORM

Amendment No.: Two

City's Contract No./ Agreement No.: 2015-19 **Commission Meeting Date:** 02/27/18

Project Name: Price Boulevard Widening, Sumter Boulevard to Toledo Blade Boulevard

Originating Department/Division: Public Works

Contractor: Charlotte Engineering and Surveying, Inc.

Amendment required as a result of:

____ Changed/Unforeseen Conditions	_____ Errors and Omissions	__X__ Change in Scope
__X__ Time Extension/Deletion	_____ Change in Price (+/-)	__X__ Owner's Request

Explanation of Request (What is changing? Include effect on completion time):

City Commission approved performing a right turn lane justification analysis for both the existing two lane/two direction roadway and for the proposed five lane roadway on Price Boulevard at the intersections of Salford Boulevard, Cranberry Boulevard and Chamberlain Boulevard. The fee for these analyses is $8,795.00 for both the two lane/two direction roadway and the proposed five lane roadway at these three intersections. The time from approval of Amendment 2 to the submittal of the report from Charlotte Engineering and Surveying (CES) is four weeks, for each analysis of both the two lane/two direction roadway and the proposed five lane roadway at all three intersections to be performed concurrently.

If right turn lanes are justified on the existing two lane/two lane roadway at any of these three intersections, City Commission directed staff to proceed with the design, permitting, construction plans and specifications preparation and construction cost estimating (including traffic signal assembly replacement to the pole and mast arm configuration). Traffic signal design fees are included in Agreement 2015-19. However, if new traffic signals are needed, additional work will be required to avoid any future conflict with the ultimate five lane section of Price Boulevard. The fees for CES are as follows:

Salford Boulevard –	$72,359.94 (dedicated right turn lanes) and $65,740.00 (signalization)
Cranberry Boulevard –	$71,782.12 (dedicated right turn lanes) and $45,475.00 (signalization)
Chamberlain Boulevard –	$52,352.94 (dedicated right turn lanes) and $45,475.00 (signalization)

The time for the design, permitting, construction plans and specifications and construction cost and time estimating for the turn lanes is two hundred forty (240) calendar days from approval of Amendment 2, irrelevant of the number of intersections (one, two, or three) involved. CES will be authorized to perform the work only at the intersection(s) where right turn lanes on Price Boulevard are justified.

City Commission approved advanced replacement of the traffic signal assemblies at these three intersections, regardless of whether right turn lane justification analysis warrants right turn lanes on Price Boulevard, or not. Staff believes the Salford Boulevard/Price Boulevard intersection signalization replacement should be expedited and not wait until Price Boulevard, between Sumter Boulevard and Toledo Blade Boulevard, is widened to five lanes.

City Commission directed staff to proceed with the development of a five lane typical roadway cross section for their review and approval, upon which CES can proceed with the design and permitting. CES needs to revise design and preliminary plans developed to-date due to the change from a four lane divided median to a five lane roadway. The fee for this task is $286,025.67. The time needed to complete the design and permitting for the five lane roadway is three hundred sixty-five (365) calendar days from approval of Amendment 2.

City Commission directed a speed study of Price Boulevard, from Biscayne Drive to Orlando Boulevard. The cost of the speed study is $24,275.00, with a draft report completed within twenty-eight (28) calendar days from approval of Amendment 2. The speed study will be performed concurrently with the other work included in Amendment 2.

CES has requested an adjustment to their hourly fee schedule and agreement, which was executed on September 28, 2015, with the expectation that the project would proceed in an expeditious manner. Staff has reviewed their request and revised rate structure and recommends approval. The revised rate structure is to be applied to the remainder of Agreement 2015-19 with an associated cost increase of $215,559.00.

Extend the contract time by one hundred twenty-two (122) calendar days from the approved end date of Amendment 1 to the approval date of Amendment 2 and three hundred sixty-five (365) calendar days to complete Agreement 2015-19 through Amendment 2.

Reason for Amendment (Why is it changing?):

City Commission direction at their July 24, 2017 and January 9, 2018 meetings for additional work, additional contract time needed to perform the work and the inflation associated with the extended time of the agreement.

Attachments (list documents supporting change):

1. Scope and fee from Charlotte Engineering and Surveying, Inc.

Account Number	Project	Amount
144-5000-541.~~31-05~~ 63-00	R15PW1	$ 865,405.00
420-6061-533.63-00	U15PW1	$ 7,478.23
420-6062-535.63-00	U15PW1	$ 7,478.22
424-6062-535.63-00	U15PW1	$ 7,478.22

CHANGE IN CONTRACT PRICE					CHANGE IN CONTRACT TIME	
Original Contract Amount:	$2,394,028.31				Original Contract Time (days):	361
Previous Amendment/ Change Orders:	#	0	to #	1	Approved Additions/Deductions of time:	366
	#		to #			
Approved Amount: Amendments/Change Orders	Amend	$26,270.00			Current Contract Time: (y-t-d before this request)	727
	CO					
Current Contract Price:	$2,420,298.31				This request: Add/(Deduct) contract time	487
This Change Add/(Deduct):	$887,839.67				If approved: Total Contract Time (y-t-d with this request):	1214
Total Contract Amount w/this change (pending approval):	$3,308,137.98				Contract Start Date:	10/02/15
					Original Completion Date:	09/26/16
					Revised Completion Date:	01/28/19

CONTINGENCY FUNDS	
Use of Contingency Funds?	Yes ☐ No ☒
Original Contingency Amount:	
Approved Use of Contingency Amount:	
Increase/(Decrease):	
Contingency Balance:	

RECOMMENDED:

By: Ryan R Schmidt 1/31/18
Contractor Date

RECOMMENDED:

By: [signature] 1/31/18
City Project Manager Date

APPROVED:

By: [signature] 2/7/18
Department Director Date

APPROVED:

By: [signature] 2/23/18
Purchasing Manager Date

APPROVED:

By: [signature] 02/23/18
Finance Director Date

APPROVED:

By: [signature] 3-1-18
City Manager Date

APPROVED:

By: Patsy C. Adkins 3/2/18
City Clerk Date

APPROVED:

By: [signature] 3/2/18
City Attorney Date

January 21, 2018

SUPPLEMENTAL AGREEMENT No. 2

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

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January 21, 2018

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

1.00 PROJECT OBJECTIVE AND DESCRIPTION

1.01 The City of North Port executed a contract with Charlotte Engineering and Survey, a Florida corporation and wholly owned subsidiary of American Consulting Engineers of Florida, LLC, to design the widening of Price Boulevard from Sumter Boulevard to Toledo Blade Boulevard on September 28, 2015.

1.02 This Supplemental Agreement includes the following services required of the CONSULTANT:

1.02.1 Right turn lanes on Price Boulevard

1.02.1.1 Preparation of a study to evaluate the addition of right turn lanes in each direction on Price Boulevard at Salford Boulevard, Cranberry Boulevard, and Chamberlain Boulevard. The study will determine if right turn lanes are warranted at each intersection in the existing 2-lane condition and in the ultimate 5-lane configuration. Right turn lanes will not be evaluated on Salford Boulevard, Cranberry Boulevard, and Chamberlain Boulevard.

1.02.1.2 Should right turn lanes on Price Boulevard be warranted at any of the intersections in the existing 2-lane condition, the CONSULTANT shall design the right turn lanes and prepare a set of interim construction plans to construct the warranted right turn lanes. Preparation of these interim construction plans are to be expedited. It is assumed no additional survey, geotechnical or right-of-way is required for the addition of right turn lanes in the existing 2-lane condition. If right turn lanes are warranted at Salford Boulevard, one bus stop at will require relocation.

1.02.2 Preparation of construction plans to replace the existing traffic signal at Salford Boulevard.

1.02.2.1 The new signal will be designed to accommodate the future widening of Price Boulevard to a 5-lane undivided curb and gutter roadway with bicycle lanes and sidewalks, or mixture thereof. The construction of the signal will be included in the plans to construct right turn lanes on Price Boulevard for the 2-lane condition (Section 1.02.1). If right turn lanes are not warranted, a separate set of construction plans for the new signal at Salford Boulevard will be prepared.

1.02.2.2 Street lighting will be provided on the mast arms.

1.02.3 CONSULTANT shall conduct a speed study of Price Boulevard from Biscayne Drive to Orlando Boulevard, a distance of about 12 miles.

1.02.4 Modification of the typical section from a 4-lane divided section to a 5-lane section with a continuous two way left turn lane.

1.02.4.1 On July 24, 2017 the Board of City Commissioners modified the Price Boulevard typical section from a 4-lane divided roadway to a 5-lane undivided curb and gutter roadway with bicycle lanes and sidewalks, or a combination thereof. The change in typical section requires modification of the scope for the roadway profile, street lighting, landscaping, utility locations, signing and striping, and drainage design.

1.02.4.2 Prior to the start of design of the 5-lane section, the CONSULTANT shall prepare an alternatives analysis of the 5-lane section. The analysis shall consider various widths of the bike lane, sidewalk and width between the back of sidewalk and right-of-way line. A total of three alternatives will be considered. The 5-lane section shall consist of a 12 foot median two-way left turn lane, four 11 foot through lanes, and a 2 foot grass strip between the back of curb and sidewalk for installation of signs and mailboxes. A brief summary of the analysis will be prepared identifying the pros and cons of each alternative with a drawing of each alternative. Design work and cost estimates are not required for the alternative analysis. Once the CITY selects the preferred alternative, CONSULTANT will proceed with the 5-lane design of Price Boulevard.

1.02.5 Construction phasing of segment from Sumter Boulevard to Salford Boulevard

1.02.5.1 CONSULTANT shall evaluate the benefit on traffic flows for the expedited construction of the 5-lane section from Sumter Boulevard to Salford Boulevard. The evaluation will consider constructing the 5-lane section earlier in the construction of Price Boulevard up to the west side of Salford Boulevard, or to extend the 5-lane section to the east side of Salford Boulevard for a specific distance.

1.02.5.2 Should the CITY decide to the early construction phasing of the 5-lane section from Sumter Boulevard to Salford Boulevard, the CONSULTANT shall add the appropriate MOT phasing notes to the construction plans requiring the contractor to build this section first.

1.02.6 Prepare a conceptual assessment for the feasibility of coordinating the 3 signals to improve progression along Price Boulevard. No calculations or design will be performed. There is no interconnect between the signals now.

1.02.7 One public meeting will be provided after the 60% design submittal. The meeting will be informational; input from the public will not be sought.

1.02.8 CONSULTANT's hourly rates for all new and remaining contracted work will be increased to reflect the delay in completing the design. The original contracted hourly rates were set in 2015 with the construction plans to be completed in August 2016. These new hourly rates will be valid for all work through December 31, 2019.

1.03 Milling and resurfacing of the existing Price Boulevard pavement will be conducted by the CITY with no involvement from the CONSULTANT.

1.04 No additional Right-of-Way will be acquired in this Supplemental Agreement. This Supplemental Agreement does not include work west of Sumter Boulevard.

1.05 These services shall be completed in accordance with the original executed contract except as modified hereinafter.

4.00 BASIC SERVICES - SCOPE AND RESPONSIBILITY REQUIREMENTS

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

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

4.02 Design, Construction Plans and Bidding Documents:

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

Specific improvements are as follows:

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

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

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

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

4.02.3 Conduct a speed study along Price Boulevard from Biscayne Drive to Orlando Boulevard, a distance of about 12 miles.

4.02.4 Maintenance of traffic plans and sequences of construction shall be provided. The above designs and plans shall be prepared in accordance with current standards adopted by the American Association of State Highway and Transportation Officials, the Florida Department of Transportation, the City of North Port, as listed hereinafter or as will be made known to the CONSULTANT during performance of all services for the Project.

4.02.5 Two sets of construction plans and bidding documents will be prepared. One set will be for the construction of right turn lanes along the existing 2 lane Price Boulevard and/or for the construction of a new traffic signal at Salford Boulevard. The second set of plans will be for the 5 laning of Price Boulevard.

4.02.6 Engineer's opinion of time of construction for the designed improvements.

4.03 Plans and Design Submittals:

4.03.1 Conceptual Design Analysis

4.03.1.1 Typical Section Analysis

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

4.03.1.2 Right Turn Lane Analysis

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

4.03.1.3 Preliminary Design Analysis

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

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

4.04 Design Survey:

No additional survey is required.

4.05 Subsurface Investigation and Pavement Design:

No additional subsurface investigation is required for the proposed improvements.

4.06 Utility Coordination and Design:

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

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

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

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

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

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

4.07 Drainage Design Requirements:

4.07.1 The conceptual drainage design and pond sizing shall be modified to accommodate the proposed 5-lane typical section between Sumter Boulevard and Toledo Blade Boulevard. No additional ROW will be required for the pond sites.

4.07.2 Construction of right turn lanes along 2-lane Price Boulevard. The existing drainage facilities shall be modified to accommodate the proposed right turn lane improvements. All drainage work shall be within proposed roadway rights-of-way. Additional water quality treatment and/or attenuation is not anticipated. Permits from SWFWMD or other regulatory agencies are not anticipated except for a permit modification at Cranberry Boulevard.

4.08 Environmental Services:

No additional environmental services are anticipated.

4.10 Maintenance of Traffic Plan Preparation:

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

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

4.11 Highway Lighting:

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

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

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

4.12 Signing and Pavement Markings:

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

4.13 Signalization:

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

4.14 Landscaping, Hardscape and Irrigation:

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

4.18 Community Involvement:

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

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

4.19 Right-of-Way Requirements:

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

4.21 Speed Study:

4.21.1 Inventory of Existing Conditions: The CONSULTANT shall collect roadway geometry, existing signing, major traffic control devices (e.g. signals), sight restrictions etc. for the corridor.

4.21.2 Speed Counts: The CONSULTANT shall collect 24-hour speed counts at 15 minute increments with hourly totals. Typically, portable machine counts shall be collected on a weekday starting at midnight, on a Tuesday, Wednesday, or Thursday unless otherwise directed. The location of the speed counts shall be selected at mid-block locations where there is minimum disturbance from turning movements from adjacent streets or start up traffic from stop signs or traffic signals. The count stations shall be set with approximately one (1) mile intervals between stations. The speed counts shall be collected at the following locations (the exact locations will be finalized with the CITY prior to collecting data):

1. Price Boulevard, east of Narramore Street
2. Price Boulevard, west of Eagles Flight Way
3. Price Boulevard, east of N Race Street
4. Price Boulevard, west of Waconia Street
5. Price Boulevard, west of Low Street
6. Price Boulevard, east of Caliva Street
7. Price Boulevard, west of Jeannin Drive
8. Price Boulevard, west of Longworthy Rd
9. Price Boulevard, east of Atwater Drive
10. Price Boulevard, west of Yorkshire Street
11. Price Boulevard, west of Yorkshire Street
12. Price Boulevard, west of Norton Drive

4.21.3 Speeds at Horizontal Curves: Advisory speeds for the horizontal curves shall be evaluated using the Ball-Bank Indicator method as per the procedure in the FDOT Manual on Uniform Traffic Studies, Chapter 10 Advisory Speed Study.

4.21.4 Meetings: No meetings are anticipated with the CITY staff for this study.

4.21.5 Analysis and Documentation: CONSULTANT shall analyze the speed data to determine pace, the median speed, the standard deviation, the 85th percentile speed, etc.

4.21.6 Final Deliverable: CONSULTANT shall prepare a technical memorandum summarizing the results of the speed study for submittal to the CITY.

6.00 MILESTONE DATES:

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

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

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

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

City: City of North Port

Consultant Name: American Consulting Professionals, LLC

Consultant No.: 5159774

Date: January 30, 2018

Estimator: Ryan Forrestel

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

Price Boulevard – SA No 2

January 26, 2018

Right Turn Lanes at Salford, Cranberry and Chamberlain

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

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

Consultant Name: American Consulting Professionals, LLC
Consultant No.: 5150774
Date: 1/26/2018
Estimator: Ryan Forrestel

Staff Classification	Total Staff Hours From "SH Summary"	Project Manager $240.00	Chief Eng. $280.00	Sr. Engineer $224.00	Project Engineer $188.00	Eng. Intern $114.00	Sr. Designer $169.00	Designer $111.00	Env. Scientist $115.00	Landscape Architect $141.00	Landscape Technician $111.00	Clerical $118.00	Sr. Surveyor $240.00	SH By Activity	Salary Cost By Activity	Optional SH By Activity	Optional Salary Cost By Activity	Average Rate Per Task
3. Project General and Project Common Tasks	72	43	0	0	11	7	0	7	0	0	0	4	0	72	$14,822			$205.86
3a. Post Design Services (Optional)	0	0	0	0	0	0	0	0	0	0	0	0	0			0	$0	#DIV/0!
4. Roadway Analysis	250	25	0	50	75	50	50	0	0	0	0	0	0	250	$45,675			$182.70
5. Roadway Plans	242	12	12	36	48	46	44	44	0	0	0	0	0	242	$41,000			$169.42
6a. Drainage Analysis	186	9	9	47	56	65	0	0	0	0	0	0	0	186	$33,227			$178.64
6b. Drainage Plans	145	7	7	22	20	28	26	26	0	0	0	0	0	145	$24,555			$169.34
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
8. Environmental Permits, Compliance & Clearances	64	6	3	13	10	7	6	0	18	0	0	0	0	64	$11,123			$173.80
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	10	0	2	2	3	3	0	0	0	0	0	0	0	10	$1,914			$191.40
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	80	2	2	16	24	11	25	0	0	0	0	0	0	80	$14,633			$182.91
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	36	2	2	5	7	8	6	6	0	0	0	0	0	36	$6,086			$169.06
21. Signalization Analysis	0	0	0	0	0		0	0	0	0	0	0	0	0	$0			#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
31. Architectural 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	1,085	106	37	191	263	225	157	83	18	0	0	4	0	1,085		0		
Total Staff Cost		$26,394.00	$10,360.00	$42,784.00	$49,444.00	$25,650.00	$26,533.00	$9,213.00	$2,185.00	$0.00	$0.00	$472.00	$0.00		$193,035.00		$0.00	$177.91

Check = $193,035.00

Survey Field Days by Subconsultant
4 - Person Crew

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

SALARY RELATED COSTS:				$193,035.00
OVERHEAD:	0%			$0.00
OPERATING MARGIN:	0%			$0.00
FCCM (Facilities Capital Cost Money):	0.00%			$0.00
EXPENSES:	0.00%			$0.00
	4-man crew:			
Survey (Field - If by Prime)	0	days @	$ -	/day $0.00
SUBTOTAL ESTIMATED FEE (LUMP SUM):				$193,035.00
Subconsultant: Strayer	(Survey)			$0.00
Subconsultant: Universal	(Geotechnical)			$0.00
Subconsultant: Cumbey & Fair	(SUE locates and designates)			$0.00
Subconsultant: Weller	(Utility design)			$3,460.00
Subconsultant: JF Rooks	(LAMP)			$0.00
Subconsultant: FTE	(Signals and Lighting)			$8,795.00
Subconsultant: FL Acquistion & Appraisal	(Appraisals)			$0.00
Subconsultant: Sub 8				$0.00
Subconsultant: Sub 9				$0.00
Subconsultant: Sub 10				$0.00
Subconsultant: Sub 11				$0.00
Subconsultant: Sub 12				$0.00
SUBTOTAL ESTIMATED FEE (LUMP SUM):				$205,290.00
Geotechnical Field and Lab Testing				$0.00
SUBTOTAL ESTIMATED FEE (LUMP SUM):				$205,290.00
T&M Services: Weller for Post Design Services				$0.00
T&M Services: FL Acquistion & Appraisal	(Acquisitions)			$0.00
T&M Services: American for Post Design Services				$0.00
T&M Services: American Government Services Corporation for Title Searches				$0.00

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

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

Consultant Name: American Consulting Professionals, LLC
Consultant No.: 5150774
Date: 1/29/2018
Estimator: Ryan Forrestel

Staff Classification	Total Staff Hours From "SH Summary"	Project Manager	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clerical	Sr. Surveyor	SH By Activity	Salary Cost By Activity	Optional SH By Activity	Optional Salary Cost By Activity	Average Rate Per Task	Salford Boulevard	Cranberry Boulevard	Chamberlain Boulevard
		$245.00	$260.00	$224.00	$188.00	$114.00	$169.00	$111.00	$115.00	$141.00	$111.00	$118.00	$349.00								
3. Project General and Project Common Tasks	72	43	0	0	11	7	0	7	0	0	0	4	0	72	$14,822			$205.86	$4,941	$4,941	$4,941
3a. Post Design Services (Optional)	0	0	0	0	0	0	0	0	0	0	0	0	0			0	$0	#DIV/0!			
4. Roadway Analysis	250	25	0	50	75	50	50	0	0	0	0	0	0	250	$45,675			$182.70	$15,225	$15,225	$15,225
5. Roadway Plans	242	12	12	36	48	46	44	44	0	0	0	0	0	242	$41,000			$169.42	$13,667	$13,667	$13,667
6a. Drainage Analysis	186	9	9	47	56	55	0	0	0	0	0	0	0	186	$33,227			$178.64	$13,955	$13,623	$5,649
6b. Drainage Plans	145	7	7	22	29	29	26	26	0	0	0	0	0	145	$24,555			$169.34	$10,313	$10,068	$4,174
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
9. Environmental Permits, Compliance & Clearances	64	6	3	13	10	7	6	0	19	0	0	0	0	64	$11,123			$173.80	$5,562	$5,562	
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	10	0	2	2	3	3	0	0	0	0	0	0	0	10	$1,914			$191.40	$638	$638	$638
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$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	80	2	2	16	24	11	25	0	0	0	0	0	0	80	$14,633			$182.91	$4,878	$4,878	$4,878
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
20. Signing & Pavement Marking Plans	36	2	2	5	7	8	6	6	0	0	0	0	0	36	$6,086			$169.06	$2,029	$2,029	$2,029
21. Signalization Analysis	0	0	0	0	0		0	0	0	0	0	0	0	0	$0			#DIV/0!			
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!			
Total Staff Hours:	1,085	106	37	191	263	235	157	83	19	0	0	4	0	1,085		0					
Total Staff Cost:		$26,394.00	$10,360.00	$42,784.00	$49,444.00	$26,550.00	$26,533.00	$9,213.00	$2,185.00	$0.00	$0.00	$472.00	$0.00		$193,035.00		$0.00	$177.91	$71,207	$70,629	$51,200

Check = $193,035.00

Survey Field Days by Subconsultant
4 - Person Crew:

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

SALARY RELATED COSTS:				$193,035.00	$193,035
OVERHEAD:	0%			$0.00	
OPERATING MARGIN:	0%			$0.00	
FCCM (Facilities Capital Cost Money):	0.00%			$0.00	
EXPENSES:	0.00%			$0.00	
Survey (Field - If by Prime)	0	4-man crew days @	$ - / day	$0.00	
SUBTOTAL ESTIMATED FEE (LUMP SUM):				$193,035.00	
Subconsultant: Strayer	(Survey)			$0.00	
Subconsultant: Universal	(Geotechnical)			$0.00	
Subconsultant: Cumbay & Fair	(SUE locates and designates)			$0.00	
Subconsultant: Weller	(Utility design)			$2,455.00	$1,153 $1,153 $1,153
Subconsultant: IF Rooks	(LAMP)			$0.00	
Subconsultant: FTE	(Signals and Lighting)			$9,795.00	
Subconsultant: FL Acquisition & Appraisal	(Appraisals)			$0.00	
Subconsultant: Sub 8				$0.00	
Subconsultant: Sub 9				$0.00	
Subconsultant: Sub 10				$0.00	
Subconsultant: Sub 11				$0.00	
Subconsultant: Sub 12				$0.00	
SUBTOTAL ESTIMATED FEE (LUMP SUM):				$205,290.00	$72,359.94 $71,782.12 $52,352.94
Geotechnical Field and Lab Testing				$0.00	
SUBTOTAL ESTIMATED FEE (LUMP SUM):				$205,290.00	
T&M Services	Weller for Post Design Services			$0.00	
T&M Services	FL Acquisition & Appraisal	(Acquisitions)		$0.00	
T&M Services	American for Post Design Services			$0.00	
T&M Services	American Government Services Corporation for Title Searches			$0.00	
SUBTOTAL ESTIMATED FEE (TIME AND MATERIALS, NOT TO EXCEED):				$0.00	
GRAND TOTAL ESTIMATED FEE:				$205,290.00	

Doesn't match report

SUBTOTAL ESTIMATED FEE (TIME AND MATERIALS, NOT TO EXCEED):	$0.00
GRAND TOTAL ESTIMATED FEE:	$205,290.00

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference.

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

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.12	Other Project General Tasks	LS	1	0	0	
	3. Project Common and Project General Tasks Total				72	

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

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

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	N/A
4.2	Pavement Type Selection Report	LS	1	0	0	N/A
4.3	Pavement Design Package	LS	1	8	8	One pavement design for right turn lanes east of Sumter
4.4	Cross-Slope Correction	LS	1	0	0	N/A
4.5	Horizontal /Vertical Master Design Files	LS	1	113.636364	114	Master design files will be prepared for the signalized intersection right turn lanes east of Sumter. Analysis of turn lanes geometrics will be included here. Signalized intersections = 3000 feet * 200 hrs for first mile
4.6	Access Management	LS	1	0	0	
4.7	Roundabout Evaluation	LS	1	0	0	N/A
4.8	Roundabout Final Design Analysis	LS	1	0	0	N/A
4.9	Cross Section Design Files	LS	1	23	23	40 hrs per mile x 0.568 miles = 23 hrs
4.10	Traffic Control Analysis	LS	1	12	12	Use Standard Indexes
4.11	Master TCP Design Files	LS	1	0	0	N/A
4.12	Design Variations and Exceptions	LS	1	0	0	N/A
4.13	Design Report	LS	1	0	0	N/A
4.14	Quantities	LS	1	16	16	
4.15	Cost Estimate	LS	1	12	12	
4.16	Technical Special Provisions	LS	1	0	0	N/A
4.17	Other Roadway Analyses	LS	1	0	0	N/A
	Roadway Analysis Technical Subtotal				**185**	
4.18	Field Reviews	LS	1	24	24	2 reviews * 6 hrs * 2 staff
4.19	Protection of Existing Structures	LS	1	0	0	N/A
4.20	Technical Meetings	LS	1	12	12	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.21	Quality Assurance/Quality Control	LS	%	6%	11	
4.22	Independent Peer Review	LS	%	0%	0	
4.23	Supervision	LS	%	6%	11	
				Roadway Analysis Nontechnical Subtotal	58	
4.24	Coordination	LS	%	3%	7	
				4. Roadway Analysis Total	250	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0		0
Pavement	EA	0	0	0		0
Access Management	EA	0	0	0		0
15% Line and Grade	EA	1	6	6	yes	1
Driveways	EA	0	0	0		0
Local Governments (cities, counties, MPO)	EA	1	6	6	yes	1
Work Zone Traffic Control	EA	0	6	0	yes	0
30/60/90/100% Comment Review Meetings	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				12	**Subtotal Project Manager Meetings**	2
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)**	2

Carries to 4.17

Carries to Tab 3

Representing		Print Name	Signature / Date
FDOT District			
Consultant Name			

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	1	8	8	
5.2	Summary of Pay Items Including Quantity Input		Sheet	0	0	0	N/A. Prepare bid sheet for bid documents
5.3	Typical Section Sheets						
5.3.1	Typical Sections		EA	2	4	8	2 typical sections for Salford/Cranberry/Chamberlain RT lane.
5.3.2	Typical Section Details		EA	0	0	0	
5.4	General Notes/Pay Item Notes		Sheet	1	8	8	
5.5	Summary of Quantities Sheets		Sheet	5	5	25	For showing items in tables for locations and quantity
5.6	Project Layout		Sheet	1	8	8	
5.7	Plan/Profile Sheet		Sheet	0	0	0	N/A
5.8	Profile Sheet	40	Sheet	0	0	0	N/A. No profiles, show grading on plan sheets.
5.9	Plan Sheet	40	Sheet	6	6	36	2 sheets at each signalized intersection. Total = 6 sheets.
5.10	Special Profile		Sheet	2	10	20	Mainline driveways: 7 + 2 Sidestreets: 9 (2 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	0	0	0	Show detail on plan sheets
5.15	Special Details		EA	2	16	32	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	Incorporate from geotech

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.18	Cross Sections	100 foot spacing	EA	30	0.5	15	10 sections each at Salford, Cranberry and Chamberlain. Total = 30 sections.
5.19	Temporary Traffic Control Plan Sheets		Sheet	0	0		N/A
5.20	Temporary Traffic Control Cross Section Sheets		EA	0	0	0	N/A
5.21	Temporary Traffic Control Detail Sheets		Sheet	2	8	16	1 sheet for notes and phasing, 1 sheet for advance warning
5.22	Utility Adjustment Sheets		Sheet	6	6	36	Same number as plan sheets
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	2	2	
					Roadway Plans Technical Subtotal	216	
5.27	Quality Assurance/Quality Control		LS	%	6%	13	
5.28	Supervision		LS	%	6%	13	
					5. Roadway Plans Total	242	

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name	Bill Adams	

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	3	4	12	
6a.2	Base Clearance Water Elevation Determination	Per Location	0	0	0	
6a.3	Pond Siting Analysis and Report	Per Basin	0	0	0	
6a.4	Design of Cross Drains	EA	0	0	0	
6a.5	Design of Ditches	Per Ditch Mile	0	0	0	
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	0	0	0	
6a.7	Design of Stormwater Management Facility (Roadside Ditch as Linear Pond)	Per Cell	4	20	80	Design of termporary replacement facilities for impacts to existing stormwater management provissions at Salford and Cranberry existing linear ponds in RW
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	0	0	0	
6a.9	Design of Storm Drains	EA	6	2.5	15	Assumption of 2 per intersection improvement
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	40	40	
6a.14	Bridge Hydraulic Report	EA	0	0	0	
6a.15	Temporary Drainage Analysis	LS	0	0	0	
6a.16	Cost Estimate	LS	0	0	0	
6a.17	Technical Special Provisions	LS	0	0	0	
6a.18	Other Drainage Analysis	LS	0	0	0	
				Drainage Analysis Technical Subtotal	**147**	
6a.19	Field Reviews	LS	1	8	8	
6a.20	Technical Meetings	LS	1	8	8	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.21	Environmental Look-Around (ELA) Meeting	LS	1	0	0	
6a.22	Quality Assurance/Quality Control	LS	%	6%	9	
6a.23	Independent Peer Review	LS	%	0%	0	
6a.24	Supervision	LS	%	6%	9	
				Drainage Analysis Nontechnical Subtotal	34	
6a.25	Coordination	LS	%	3%	5	
				6a. Drainage Analysis Total	186	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	0	0	0		0
Pond Siting	EA	0	0	0		0
Agency	EA	0	0	0		0
Local Governments (cities, counties)	EA	1	8	8	yes	1
FDOT Drainage	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				8		1
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				8	**Total Project Manager Meetings (carries to Tab 3)**	1

Carries to 6.19

Carries to Tab 3

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
6b.1	Drainage Map (Including Interchanges)	200	Sheet	3	8	24	Intersection improvement drainage maps for permitting
6b.2	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	
6b.3	Summary of Drainage Structures		Sheet	1	18	18	
6b.4	Optional Pipe/Culvert Material		Sheet	0	0	0	
6b.5	Drainage Structure Sheet(s) (Per Structure)		EA	6	2.5	15	
6b.6	Miscellaneous Drainage Detail Sheets		Sheet	3	24	72	Drainage details for linear ponds and control structures
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	0	0	0	
6b.10	Retention Pond Cross Sections		EA	0	0	0	
6b.11	Erosion Control Plan Sheet(s)		Sheet	0	0	0	
6b.12	SWPPP Sheet(s)		Sheet	0	0	0	
					Drainage Plans Technical Subtotal	129	
6b.13	Quality Assurance/Quality Control		LS	%	6%	8	
6b.14	Supervision		LS	%	6%	8	
					6. Drainage Plans Total	145	

Representing	Print Name	Signature / Date
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
	Environmental Permits, Compliances and Clearances					
8.1	Preliminary Project Research	LS	1	0	0	
	Permits					
8.2	**Field Work**					
8.2.1	Pond Site Alternatives	per pond site	1	0	0	
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	0	0	
8.2.3	Species Surveys	LS	1	0	0	
8.2.4	Archeological Surveys	LS	1	0	0	
8.3	Agency Verification of Wetland Data	LS	1	0	0	
8.4	Complete And Submit All Required Permit Applications			0		
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	48	48	Modification of existing permitted stormwater management facilities (2 existing permits)
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	0	0	
8.5	Prepare Dredge and Fill Sketches (as needed)	LS	1	0	0	
8.6	Prepare USCG Permit Sketches	LS	1	0	0	
8.7	Prepare Water Management District Right-of-Way Occupancy Permit	LS	1	0	0	
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	
8.9	Prepare Tree Permit Information	LS	1	0	0	
8.10	Mitigation Design	LS	1	0	0	
8.11	Mitigation Coordination and Meetings	LS	1	0	0	
8.12	Other Environmental Permits	LS	1	0	0	
	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	

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.13.2	Archaeological and Historical Features	LS	1	0	0	
8.13.3	Wetland Impact Analysis	LS	1	0	0	
8.13.4	Essential Fish Habitat	LS	1	0	0	
8.13.5	Wildlife and Habitat Impact Analysis	LS	1	0	0	
8.13.6	Section 7 or Section 10 Consultation	LS	1	0	0	
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	
8.14.2	Archaeological and Historical Features	LS	1	0	0	
8.14.3	Wetland Impact Analysis	LS	1	0	0	
8.14.4	Essential Fish Habitat	LS	1	0	0	
8.14.5	Wildlife and Habitat Impact Analysis	LS	1	0	0	
8.14.6	Section 7 or Section 10 Consultation	LS	1	0	0	
8.15	Contamination Impact Analysis	LS	1	0	0	
8.16	Asbestos Survey	LS	1	0	0	
	Environmental Permits, Compliance, and Clearances/Reevaluations Technical Subtotal				48	
8.17	Technical Meetings	LS	1	8	8	Meetings are listed below
8.18	Quality Assurance/Quality Control	LS	%	7%	3	
8.19	Supervision	LS	%	5%	2	
	Environmental Permits, Compliance and Clearances Nontechnical Subtotal				13	
8.20	Coordination	LS	%	5%	3	
	8. Environmental Permits, Compliance and Clearances Total				64	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
WMD	EA	1	8	8	yes	1
NMFS	EA	0	0	0		0
USACE	EA	0	0	0		0
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					8	Subtotal Project Manager Meetings	1
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					8	Total Project Manager Meetings (carries to Tab 3)	1

Carries to 8.18

Carries to Tab 3

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
	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	0	0	0	0	0	0	0	0		
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									
10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									

10-16	Bridge 10	0									
17	Retaining Walls	0								0	
18	Miscellaneous Structures	80									80
	Structures Technical Subtotal	80	0	0	0	0	0	0	0	0	80

Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments
9.10	Field Reviews	LS	1	0	0	
9.11	Technical Meetings	LS	1	0	0	Meetings are listed below
9.12	Quality Assurance/Quality Control	LS	%	7%	6	
9.13	Independent Peer Review	LS	1	0	0	
9.14	Supervision	LS	%	5%	4	
	Structures Nontechnical Subtotal				10	
9.15	Coordination	LS	1	0	0	
	9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total				10	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0		0
90/100% Comment Review	EA	0	0	0		0
Aesthetics Coordination	EA	0	0	0		0
Regulatory Agency	EA	0	0	0		0
Local Governments (cities, counties)	EA	0	0	0		0
Utility Companies	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				0		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				0	**Total Project Manager Meetings (carries to Tab 3)**	0
				Carries to 9.11		Carries to Tab 3

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	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	0	0		0	
		EA Add'l Config	0	0		0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
	Mast Arms						
18.9	Mast Arms	EA Design	12	6		72	4 mast arms at 3 intersections = 12 mast arms
18.10	Mast Arms Data Table Plan Sheets	Sheet	2	4	2	8	6 Mast Arms per Sheet ==> 2 Sheets
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			
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	0		0	Special Light Pole foundations (spread footing or smaller shafts)
18. Structures - Miscellaneous Total					2	80	

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	0	0	0	0	
20.2	Summary of Pay Items Including TRNS•Port Input		LS	1	0		0	
20.3	Tabulation of Quantities		Sheet	1	8	1	8	
20.4	General Notes/Pay Item Notes		Sheet	0	0	0	0	
20.5	Project Layout		Sheet	0	0	0	0	
20.6	Plan Sheet	40	Sheet	6	4	6	24	
20.7	Typical Details		EA	0	0		0	
20.8	Guide Sign Worksheet(s)		EA	0	0		0	
20.9	Traffic Monitoring Site		EA	0	0		0	
20.10	Cross Sections		EA	0	0		0	
20.11	Special Service Point Details		EA	0	0		0	
20.12	Special Details		LS	1	0		0	
20.13	Interim Standards		LS	1	0		0	
Signing and Pavement Marking Plans Technical Subtotal						7	32	
20.14	Quality Assurance/Quality Control		LS	%	6%		2	
20.15	Supervision		LS	%	6%		2	
20. Signing and Pavement Marking Plans Total						7	36	

UTILITIES
Man-Hour Estimate for Professional Services Agreement - Price Boulevard (RFP No. 2015-19) - Sumter Boulevard to Toledo Blade Boulevard
City of North Port
Supplemental Agreement 2, Part 2
(01/25/2018)

Description	Principal	Project Manager	Registered PE	Registered EI	Sr. Designer	Designer	Technician	Sr. Construction Insp.	Construction Insp.	Clerical	Total Hrs	Sub-Total	
SA 2, Part 2, Right Turn Lanes at Sanford, Cranberry and Chamberlain													
Task 4.06 Utility Coordination (LUMP SUM)													
4.06.1 Utility Coordination													
1. Wastewater - Transmission Force Main													
a. Coordinate w/ Existing Utilities	0.00	1.33	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.67	5.00		
b. Pre-Design Conference	0.33	0.67	0.67	0.67	0.67	0.00	0.00	0.00	0.00	0.67	3.67		
c. Public Involvement (2 mtg total per Task 4.18)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Sub-Total Hours	0.33	2.00	1.67	1.67	1.67	0.00	0.00	0.00	0.00	1.33	8.67		
Hourly Rate	$214.00	$163.00	$163.00	$129.00	$112.00	$101.00	$90.00	$118.00	$101.00	$62.00			
Sub-Total Fee	$71.33	$326.00	$271.67	$215.00	$186.67	$0.00	$0.00	$0.00	$0.00	$82.67			$1,153.33
2. Potable Water - Distribution Main													
a. Coordinate w/ Existing Utilities	0.00	1.33	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.67	5.00		
b. Pre-Design Conference	0.33	0.67	0.67	0.67	0.67	0.00	0.00	0.00	0.00	0.67	3.67		
c. Public Involvement (2 mtg total per Task 4.18)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Sub-Total Hours	0.33	2.00	1.67	1.67	1.67	0.00	0.00	0.00	0.00	1.33	8.67		
Hourly Rate	$214.00	$163.00	$163.00	$129.00	$112.00	$101.00	$90.00	$118.00	$101.00	$62.00			
Sub-Total Fee	$71.33	$326.00	$271.67	$215.00	$186.67	$0.00	$0.00	$0.00	$0.00	$82.67			$1,153.33
3. Re-Use Water - Distribution Main													
a. Coordinate w/ Existing Utilities	0.00	1.33	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.67	5.00		
b. Pre-Design Conference	0.33	0.67	0.67	0.67	0.67	0.00	0.00	0.00	0.00	0.67	3.67		
c. Public Involvement (2 mtg total per Task 4.18)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Sub-Total Hours	0.33	2.00	1.67	1.67	1.67	0.00	0.00	0.00	0.00	1.33	8.67		
Hourly Rate	$214.00	$163.00	$163.00	$129.00	$112.00	$101.00	$90.00	$118.00	$101.00	$62.00			
Sub-Total Fee	$71.33	$326.00	$271.67	$215.00	$186.67	$0.00	$0.00	$0.00	$0.00	$82.67			$1,153.33
TOTAL HOURS	1.00	8.00	5.00	5.00	5.00	0.00	0.00	0.00	0.00	4.00	26.00		
HOURLY RATE	$214.00	$163.00	$163.00	$129.00	$112.00	$101.00	$90.00	$118.00	$101.00	$62.00			
SA2, PART 2 SUB-TOTAL FEE (LUMP SUM)	$214.00	$978.00	$815.00	$645.00	$560.00	$0.00	$0.00	$0.00	$0.00	$248.00		$3,460.00	SA 2, PART 2 SUB-TOTAL (ADDITIONAL LUMP SUM SERVICES)

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd - Right Turn Lane Evaluation
County: North Port
FPN:
FAP No.:

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

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr Engineer	Project Engineer	Designer	Technician	Clerical	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$160.00	$185.00	$120.00	$90.00	$55.00	$60.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
21. Signalization Analysis	69	7	14	34	0	7	7	0	0	0	0	0	0	69	$8,795	$127.46
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
Total Staff Hours	69	7	14	34	0	7	7	0	0	0	0	0	0	69		
Total Staff Cost		$1,280.00	$2,310.00	$4,420.00	$0.00	$385.00	$420.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$8,795.00	$127.46

Check = $8,795.00

SALARY RELATED COSTS:			$8,795.00
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:			$8,795.00
Survey (Field) 0	4-man crew da	$ - / day	$0.00
Geotechnical Field and Lab Testing			$0.00
SUBTOTAL ESTIMATED FEE:			$8,795.00
Optional Services			$0.00
GRAND TOTAL ESTIMATED FEE:			$8,795.00

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

Project Activity 21: Signalization Analysis

Estimator: O.Rodrigues

PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd - Right Turn Lane Evaluation

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

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	1.5	2	Historical data:
21.2	Traffic Data Analysis	LS	1	53	53	Two alternatives,AM and PM scenarios, Alternative 1 only for interim year , synchro models and traffic study.
21.3	Access Management	LS	1	0	0	N/A
21.4	System Timings	LS	1	0	0	N/A
21.5	Reference and Master Signalization Design File	PI	1	0	0	N/A
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	N/A
21.7	Overhead Street Name Sign Design	EA	1	0	0	N/A
21.8	Pole Elevation Analysis	LS	1	0	0	N/A
21.9	Traffic Signal Operation Report	LS	1	0	0	N/A
21.10	Quantities	LS	1	0	0	N/A
21.11	Cost Estimate	LS	1	0	0	N/A
21.12	Technical Special Provisions	LS	1	0	0	N/A
21.13	Other Signalization Analysis	LS	1	0	0	N/A
	Signalization Analysis Technical Subtotal				**55**	
21.14	Field Reviews	LS	1	0	0	Inventory of Existing Conditions (2 reviews x 2 people @ 4hrs)
21.15	Technical Meetings	LS	1	4	4	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	7%	4	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	7%	4	
	Signalization Analysis Nontechnical Subtotal				**12**	

Project Activity 21: Signalization Analysis

21.19	Coordination	LS	%	3%	2	
				21. Signalization Analysis Total	69	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	1	4	4		0
Railroads	EA	0	0	0		0
Other Meetings - Speed Study	EA	0	3	0		0
Subtotal Technical Meetings				4	**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				4	**Total Project Manager Meetings (carries to Tab 3)**	0

Carries to 21.15

Carries to Tab 3

Price Boulevard – SA No 2

January 30, 2018

Fees for Signal Design at Salford, Cranberry and Chamberlain

Price Boulevard – SA No 2

January 30, 2018

Signal at Salford

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

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

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

Staff Classification	Total Staff Hours From "SH Summary -	Project Manager	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clerical	Sr. Surveyor	SH By Activity	Salary Cost By Activity	Optional SH By Activity	Optional Salary Cost By Activity	Average Rate Per Task
		$249.00	$280.00	$224.00	$166.00	$114.00	$169.00	$111.00	$115.00	$141.00	$111.00	$118.00	$240.00					
3. Project General and Project Common Tasks	88	53	0	0	13	9	0	9	0	0	0	4	0	88	$18,138			$206.11
3a. Post Design Services (Optional)	0	0	0	0	0	0	0	0	0	0	0	0	0			0	$0	#DIV/0!
4. Roadway Analysis	128	13	0	26	37	26	26	0	0	0	0	0	0	128	$23,375			$182.62
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	3	0	1	1	1	0	0	0	0	0	0	0	0	3	$692			$230.67
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
18. Structures - Miscellaneous	28	1	1	6	8	3	9	0	0	0	0	0	0	28	$5,240			$187.14
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
20. Signing & Pavement Marking Plans	8	0	0	1	2	3	1	1	0	0	0	0	0	8	$1,222			$152.75
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
Total Staff Hours	255	67	2	34	61	41	36	10	0	0	0	4	0	255		0		
Total Staff Cost		$16,683.00	$560.00	$7,616.00	$11,469.00	$4,674.00	$6,084.00	$1,110.00	$0.00	$0.00	$0.00	$472.00	$0.00		$48,667.00		$0.00	$190.85

Check = $48,667.00

Survey Field Days by Subconsultant
4 - Person Crew

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

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

Price Boulevard – SA No 2

January 26, 2018

Signal at Salford

24. Lighting Plans

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 23: Lighting Analysis

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	4	0		0
Maintaining Agency (cities, counties)	EA	1	4	4		0
Airport authority	EA	0	0	0		0
FDEP Lighting (coast areas)	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				4	**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				4	**Total Project Manager Meetings (carries to Tab 3)**	0

Carries to 23.14

Carries to Tab 3

Project Activity 23: Lighting Analysis

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 22: Signalization Plans

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 21: Signalization Analysis

21.19	Coordination	LS	%	3%	2	
				21. Signalization Analysis Total	62	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	2	2	4		0
Railroads	EA	0	0	0		0
Other Meetings	EA	1	3	3		0
Subtotal Technical Meetings				7	**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				7	**Total Project Manager Meetings (carries to Tab 3)**	0
				Carries to 21.15		Carries to Tab 3

Project Activity 21: Signalization Analysis

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

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

NOTE: Signature Block is optional, per District preference

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

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

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

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

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

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

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

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

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

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0		0
Pavement	EA	0	0	0		0
Access Management	EA	0	0	0		0
15% Line and Grade	EA	1	6	6	yes	1
Driveways	EA	0	0	0		0
Local Governments (cities, counties, MPO)	EA	2	6	12	yes	1
Work Zone Traffic Control	EA	0	6	0	yes	0
30/60/90/100% Comment Review Meetings	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				**18**	**Subtotal Project Manager Meetings**	2
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				**18**	**Total Project Manager Meetings (carries to Tab 3)**	**2**

Carries to 4.17

Carries to Tab 3

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
	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	0	0	0	0	0	0	0	0		
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									
10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									

10-16	Bridge 10	0									
17	Retaining Walls	0								0	
18	Miscellaneous Structures	28									28
	Structures Technical Subtotal	28	0	0	0	0	0	0	0	0	28

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

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0		0
90/100% Comment Review	EA	0	0	0		0
Aesthetics Coordination	EA	0	0	0		0
Regulatory Agency	EA	0	0	0		0
Local Governments (cities, counties)	EA	0	0	0		0
Utility Companies	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				0		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				0	**Total Project Manager Meetings (carries to Tab 3)**	0

Carries to 9.11 | Carries to Tab 3

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	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	0	0		0	
		EA Add'l Config	0	0		0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
	Mast Arms						
18.9	Mast Arms	EA Design	4	6		24	
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	4	1	4	
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	
	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			
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	0		0	Special Light Pole foundations (spread footing or smaller shafts)
	18. Structures - Miscellaneous Total				1	28	

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

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

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

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

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

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr Engineer	Project Engineer	Designer	Technician	Clerical	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$180.00	$165.00	$138.00	$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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
21. Signalization Analysis	62	2	9	6	18	25	1	0	0	0	0	0	0	62	$5,884	$94.90
22. Signalization Plans	20	1	7	2	10	0	0	0	0	0	0	0	0	20	$2,555	$127.75
23. Lighting Analysis	48	1	12	7	27	0	1	0	0	0	0	0	0	48	$5,722	$119.21
24. Lighting Plans	23	1	8	2	12	0	0	0	0	0	0	0	0	23	$2,912	$126.61
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
Total Staff Hours	153	5	36	17	68	25	2	0	0	0	0	0	0	153		
Total Staff Cost		$900.00	$5,940.00	$2,210.00	$6,528.00	$1,375.00	$120.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$17,073.00	$111.59

Check = $17,073.00

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

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

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

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

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

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

Check = $17,073.00

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

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

Project Activity 21: Signalization Analysis

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 21: Signalization Analysis

21.19	Coordination	LS	%	3%	2	
			21. Signalization Analysis Total		62	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	2	2	4		0
Railroads	EA	0	0	0		0
Other Meetings -	EA	1	3	3		0
Subtotal Technical Meetings				7	**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				7	**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	Oliver Remy Rodrigues	

NOTE: Signature Block is optional, per District preference

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

Project Activity 23: Lighting Analysis

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 23: Lighting Analysis

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	4	0		0
Maintaining Agency (cities, counties)	EA	1	4	4		0
Airport authority	EA	0	0	0		0
FDEP Lighting (coast areas)	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				4	**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				4	**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	Oliver Remy Rodrigues	

NOTE: Signature Block is optional, per District preference

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

Price Boulevard – SA No 2

January 30, 2018

Signal at Cranberry

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

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

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

Staff Classification	Total Staff Hours From "SH Summary -	Project Manager	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clerical	Sr. Surveyor	SH By Activity	Salary Cost By Activity	Optional SH By Activity	Optional Salary Cost By Activity	Average Rate Per Task
		$245.00	$280.00	$224.00	$188.00	$114.00	$169.00	$111.00	$115.00	$141.00	$111.00	$118.00	$240.00					
3. Project General and Project Common Tasks	8	5	0	0	1	1	0	1	0	0	0	0	0	8	$1,658			$207.25
3a. Post Design Services (Optional)	0	0	0	0	0	0	0	0	0	0	0	0	0			0	$0	#DIV/0!
4. Roadway Analysis	107	11	0	21	33	21	21	0	0	0	0	0	0	107	$19,580			$183.08
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	3	0	1	1	1	0	0	0	0	0	0	0	0	3	$692			$230.67
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
18. Structures - Miscellaneous	28	1	1	5	8	3	9	0	0	0	0	0	0	28	$5,240			$187.14
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
20. Signing & Pavement Marking Plans	8	0	0	1	2	3	1	1	0	0	0	0	0	8	$1,222			$152.75
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
Total Staff Hours	184	17	2	29	45	28	31	2	0	0	0	0	0	154		0		
Total Staff Cost		$4,233.00	$560.00	$6,496.00	$8,460.00	$3,192.00	$5,239.00	$222.00	$0.00	$0.00	$0.00	$0.00	$0.00		$28,402.00		$0.00	$184.43
														Check =	$28,402.00			

Survey Field Days by Subconsultant
4 - Person Crew:

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

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

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

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

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

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

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

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

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

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

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0		0
Pavement	EA	0	0	0		0
Access Management	EA	0	0	0		0
15% Line and Grade	EA	1	6	6	yes	1
Driveways	EA	0	0	0		0
Local Governments (cities, counties, MPO)	EA	0	6	0	yes	1
Work Zone Traffic Control	EA	0	6	0	yes	0
30/60/90/100% Comment Review Meetings	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				6	**Subtotal Project Manager Meetings**	2
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				6	**Total Project Manager Meetings (carries to Tab 3)**	2
				Carries to 4.17		Carries to Tab 3

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
	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	0	0	0	0	0	0	0	0		
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									
10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									

10-16	Bridge 10	0									
17	Retaining Walls	0								0	
18	Miscellaneous Structures	28									28
	Structures Technical Subtotal	28	0	0	0	0	0	0	0	0	28

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

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0		0
90/100% Comment Review	EA	0	0	0		0
Aesthetics Coordination	EA	0	0	0		0
Regulatory Agency	EA	0	0	0		0
Local Governments (cities, counties)	EA	0	0	0		0
Utility Companies	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				0		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				0	**Total Project Manager Meetings (carries to Tab 3)**	0
				Carries to 9.11		Carries to Tab 3.

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference.

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	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	0	0		0	
		EA Add'l Config	0	0		0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
	Mast Arms						
18.9	Mast Arms	EA Design	4	6		24	
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	4	1	4	
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	
	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			
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	0		0	Special Light Pole foundations (spread footing or smaller shafts)
	18. Structures - Miscellaneous Total				1	28	

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

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

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

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

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

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr Engineer	Project Engineer	Designer	Technician	Clerical	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$180.00	$165.00	$130.00	$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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
21. Signalization Analysis	62	2	9	6	19	25	1	0	0	0	0	0	0	62	$5,884	$94.90
22. Signalization Plans	20	1	7	2	10	0	0	0	0	0	0	0	0	20	$2,555	$127.75
23. Lighting Analysis	48	1	12	7	27	0	1	0	0	0	0	0	0	48	$5,722	$119.21
24. Lighting Plans	23	1	8	2	12	0	0	0	0	0	0	0	0	23	$2,912	$126.61
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
Total Staff Hours	153	5	36	17	68	25	2	0	0	0	0	0	0	153		
Total Staff Cost		$900.00	$5,940.00	$2,210.00	$6,526.00	$1,375.00	$120.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$17,073.00	$111.59
														Check =	$17,073.00	

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

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

Project Activity 21: Signalization Analysis

Estimator: O.Rodrigues

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

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 21: Signalization Analysis

21.19	Coordination	LS	%	3%	2	
	21. Signalization Analysis Total				**62**	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	2	2	4		0
Railroads	EA	0	0	0		0
Other Meetings -	EA	1	3	3		0
Subtotal Technical Meetings				7	**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				7	**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 - SA 2 Cranberry Signal

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 23: Lighting Analysis

Estimator: O.Rodrigues

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

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 23: Lighting Analysis

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	4	0		0
Maintaining Agency (cities, counties)	EA	1	4	4		0
Airport authority	EA	0	0	0		0
FDEP Lighting (coast areas)	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				4	**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				4	**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 - SA 2 Cranberry Signal

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

NOTE: Signature Block is optional, per District preference

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

Price Boulevard – SA No 2

January 30, 2018

Signal at Chamberlain

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

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

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

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

Check = $28,402.00

Survey Field Days by Subconsultant
4 - Person Crew:

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

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

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

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

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

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

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

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

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

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

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0		0
Pavement	EA	0	0	0		0
Access Management	EA	0	0	0		0
15% Line and Grade	EA	1	6	6	yes	1
Driveways	EA	0	0	0		0
Local Governments (cities, counties, MPO)	EA	0	6	0	yes	1
Work Zone Traffic Control	EA	0	6	0	yes	0
30/60/90/100% Comment Review Meetings	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				6	**Subtotal Project Manager Meetings**	2
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				6	**Total Project Manager Meetings (carries to Tab 3)**	2

Carries to 4.17

Carries to Tab 3.

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
	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	0	0	0	0	0	0	0	0		
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									
10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									

10-16	Bridge 10	0									
17	Retaining Walls	0								0	
18	Miscellaneous Structures	28									28
	Structures Technical Subtotal	28	0	0	0	0	0	0	0	0	28

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

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0		0
90/100% Comment Review	EA	0	0	0		0
Aesthetics Coordination	EA	0	0	0		0
Regulatory Agency	EA	0	0	0		0
Local Governments (cities, counties)	EA	0	0	0		0
Utility Companies	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				0		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				0	**Total Project Manager Meetings (carries to Tab 3)**	0
				Carries to 9.11		Carries to Tab 3

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	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	0	0		0	
		EA Add'l Config	0	0		0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
	Mast Arms						
18.9	Mast Arms	EA Design	4	6		24	
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	4	1	4	
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	
	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			
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	0		0	Special Light Pole foundations (spread footing or smaller shafts)
	18. Structures - Miscellaneous Total					25	

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

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

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

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

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

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

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

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

Project Activity 21: Signalization Analysis

Estimator: O.Rodrigues

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

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 21: Signalization Analysis

21.19	Coordination	LS	%	3%	2	
			21. Signalization Analysis Total		62	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	2	2	4		0
Railroads	EA	0	0	0		0
Other Meetings -	EA	1	3	3		0
Subtotal Technical Meetings				7	**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				7	**Total Project Manager Meetings (carries to Tab 3)**	0

Carries to 21.19 | Carries to Tab 3

Project Activity 22: Signalization Plans

Estimator: O.Rodrigues

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

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 23: Lighting Analysis

Estimator: O.Rodrigues

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

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 23: Lighting Analysis

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	4	0		0
Maintaining Agency (cities, counties)	EA	1	4	4		0
Airport authority	EA	0	0	0		0
FDEP Lighting (coast areas)	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				4	**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				4	**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 - SA 2 for Chamberlain Signal

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

NOTE: Signature Block is optional, per District preference

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

24. Lighting Plans

Estimator: O.Rodrigues

MotionNo2 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 23: Lighting Analysis

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	1	4	4		0
Maintaining Agency (cities, counties)	EA	1	4	4		0
Airport authority	EA	0	0	0		0
FDEP Lighting (coast areas)	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				8	**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				8	**Total Project Manager Meetings (carries to Tab 3)**	0

Carries to 23.14.

Carries to Tab 3

Project Activity 23: Lighting Analysis

Estimator: O.Rodrigues

MotionNo2 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 21: Signalization Analysis

21.19	Coordination	LS	%	3%	1	
			21. Signalization Analysis Total		31	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	0	2	0		0
Railroads	EA	0	0	0		0
Other Meetings - Speed Study	EA	0	3	0		0
Subtotal Technical Meetings				0	**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				0	**Total Project Manager Meetings (carries to Tab 3)**	0

Carries to 21.15

Carries to Tab 3

Project Activity 21: Signalization Analysis

Estimator: O.Rodrigues

MotionNo2 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 3: General Tasks

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

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

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

Project Activity 3: General Tasks

Estimator:

MotionNo2 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

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

NOTE: Signature Block is optional, per District preference

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

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

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

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

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

Check = $25,218.00

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

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

UTILITIES

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

SA 2, Part 1

(1/25/2018)

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

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

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

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	0	0	0		0
Pond Siting	EA	0	0	0		1
Agency	EA	0	0	0		1
Local Governments (cities, counties)	EA	0	0	0		0
FDOT Drainage	EA	0	0	0		0
Other Meetings	EA	0	0	0		1
Subtotal Technical Meetings				0		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				0	Total Project Manager Meetings (carries to Tab 3)	3

Carries to 6.19

Carries to Tab 3

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

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

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

Representing		Print Name	Signature / Date
FDOT District			
Consultant Name			

NOTE: Signature Block is optional, per District preference

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

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

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	1	5	5	yes	1
Pavement	EA	0	0	0		0
Access Management	EA	0	0	0		0
15% Line and Grade	EA	1	5	5	yes	1
Driveways	EA	0	0	0		0
Local Governments (cities, counties, MPO)	EA	0	0	0		0
Work Zone Traffic Control	EA	0	0	0		0
30/60/90/100% Comment Review Meetings	EA	0	0	0		0
Other Meetings	EA	2	5	10	yes	2
Subtotal Technical Meetings				20	**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				20	**Total Project Manager Meetings (carries to Tab 3)**	4

Carries to 4.17

Carries to Tab 3

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

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

3 additional Public Workshops Estimate (Preparation and Attendance)

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

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

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

Notes:

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

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

Price Boulevard – SA No 2

January 26, 2018

Convert to a 5-lane undivided section

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

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

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

Staff Classification	Total Staff Hours From "SH Summary -	Project Manager	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clerical	Sr. Surveyor	SH By Activity	Salary Cost By Activity	Optional SH By Activity	Optional Salary Cost By Activity	Average Rate Per Task
		$249.00	$280.00	$224.00	$168.00	$114.00	$180.00	$111.00	$115.00	$141.00	$111.00	$116.00	$240.00					
3. Project General and Project Common Tasks	508	305	0	0	76	51	0	51	0	0	0	25	0	508	$104,658			$206.02
3a. Post Design Services (Optional)	0	0	0	0	0	0	0	0	0	0	0	0	0			0	$0	#DIV/0!
4. Roadway Analysis	692	68	0	138	208	139	138	0	0	0	0	0	0	692	$126,365			$182.61
5. Roadway Plans	15	1	1	2	3	2	3	3	0	0	0	0	0	15	$2,609			$173.93
6a. Drainage Analysis	27	1	1	7	6	10	0	0	0	0	0	0	0	27	$4,741			$175.59
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0			#DIV/0!
Total Staff Hours	1,242	376	2	147	295	202	141	54	0	0	0	25	0	1,242		0		
Total Staff Cost		$93,624.00	$560.00	$32,928.00	$55,460.00	$23,028.00	$25,380.00	$5,994.00	$0.00	$0.00	$0.00	$2,850.00	$0.00		$238,373.00		$0.00	$191.93

Check = $238,373.00

Survey Field Days by Subconsultant
4 - Person Crew:

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

SALARY RELATED COSTS:				$238,373.00
OVERHEAD:	0%			$0.00
OPERATING MARGIN:	0%			$0.00
FCCM (Facilities Capital Cost Money):	0.00%			$0.00
EXPENSES:	0.00%			$0.00
Survey (Field - if by Prime)	0	4-man crew days @ $ - / day		$0.00
SUBTOTAL ESTIMATED FEE (LUMP SUM):				$238,373.00
Subconsultant: Strayer		(Survey)		$0.00
Subconsultant: Universal		(Geotechnical)		$0.00
Subconsultant: Cumbey & Fair		(SUE locates and designates)		$0.00
Subconsultant: Weller		(Utility design)		$20,364.67
Subconsultant: IF Rooks		(LAMP)		$0.00
Subconsultant: FTE		(Signals and Lighting)		$26,218.00
Subconsultant: FL Acquistion & Appraisal		(Appraisals)		$0.00
SUBTOTAL ESTIMATED FEE (LUMP SUM):				$286,025.67
Geotechnical Field and Lab Testing				$0.00
SUBTOTAL ESTIMATED FEE (LUMP SUM):				$286,025.67
T&M Services	Weller for Post Design Services			$0.00
T&M Services	FL Acquistion & Appraisal	(Acquisitions)		$0.00
T&M Services	American for Post Design Services			$0.00
T&M Services	American Government Services Corporation for Title Searches			$0.00
SUBTOTAL ESTIMATED FEE (TIME AND MATERIALS, NOT TO EXCEED):				$0.00
GRAND TOTAL ESTIMATED FEE:				$286,025.67

Price Boulevard – SA No 2

January 26, 2018

Speed Study

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

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

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

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr Engineer	Project Engineer	Designer	Technician	Clerical	Staff Classi-fication 7	Staff Classi-fication 8	Staff Classi-fication 9	Staff Classi-fication 10	Staff Classi-fication 11	Staff Classi-fication 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$160.00	$165.00	$130.00	$96.00	$55.00	$80.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
21. Signalization Analysis	224	22	45	56	0	90	11	0	0	0	0	0	0	224	$24,275	$108.37
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
Total Staff Hours:	224	22	45	56	0	90	11	0	0	0	0	0	0	224		
Total Staff Cost		$3,960.00	$7,425.00	$7,280.00	$0.00	$4,950.00	$880.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$24,275.00	$108.37

Check = $24,275.00

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

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

Price Boulevard – SA No 2

January 26, 2018

Speed Study

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

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

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

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr Engineer	Project Engineer	Designer	Technician	Clerical	Staff Classi-fication 7	Staff Classi-fication 8	Staff Classi-fication 9	Staff Classi-fication 10	Staff Classi-fication 11	Staff Classi-fication 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$180.00	$165.00	$130.00	$96.00	$65.00	$60.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
21. Signalization Analysis	224	22	45	56	0	80	11	0	0	0	0	0	0	224	$24,275	$108.37
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
Total Staff Hours	224	22	45	56	0	80	11	0	0	0	0	0	0	224		
Total Staff Cost		$3,960.00	$7,425.00	$7,280.00	$0.00	$4,950.00	$660.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$24,275.00	$108.37

Check = $24,275.00

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

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

Project Activity 21: Signalization Analysis

Estimator: O.Rodrigues

MotionNo3 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 21: Signalization Analysis

21.19	Coordination	LS	%	3%	7	
				21. Signalization Analysis Total	224	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	0	2	0		0
Railroads	EA	0	0	0		0
Other Meetings - Speed Study	EA	0	3	0		0
Subtotal Technical Meetings				0	**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				0	**Total Project Manager Meetings (carries to Tab 3)**	0

Carries to 21.15

Carries to Tab 3

Project Activity 21: Signalization Analysis

Estimator: O.Rodrigues

MotionNo3 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

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

NOTE: Signature Block is optional, per District preference

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

Project Activity 21: Signalization Analysis

21.19	Coordination	LS	%	3%	7	
				21. Signalization Analysis Total	224	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	2	0		0
Maintaining Agency (cities, counties)	EA	0	2	0		0
Railroads	EA	0	0	0		0
Other Meetings - Speed Study	EA	0	3	0		0
Subtotal Technical Meetings				0	**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				0	**Total Project Manager Meetings (carries to Tab 3)**	0

Carries to 21.15.

Carries to Tab 3

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

Classification	Contracted Rate (June 2015) (1)	Proposed Rate (2)	Proposed Rate Rounded (2)	Distribution From Original Contract	Remaining Hours	Remaining Fee at Proposed Rate	Fee Increase
Project Manager	$221.00	$248.59	$249.00	7.19%	679	$169,005	$19,005
Chief Eng.	$249.00	$280.09	$280.00	2.33%	220	$61,587	$6,819
Sr. Engineer	$199.00	$223.85	$224.00	13.90%	1312	$293,924	$32,804
Project Engineer	$167.00	$187.85	$188.00	20.08%	1896	$356,364	$39,807
Eng. Intern	$101.00	$113.61	$114.00	18.47%	1744	$198,767	$22,666
Sr. Designer	$150.00	$168.73	$169.00	14.40%	1359	$229,732	$25,828
Designer	$99.00	$111.36	$111.00	8.99%	849	$94,201	$10,184
Env. Scientist	$102.00	$114.74	$115.00	1.46%	138	$15,850	$1,792
~~Landscape Architect~~	~~$125.00~~	~~$140.61~~	~~$141.00~~	~~4.79%~~	~~452~~	~~$63,757~~	~~$7,235~~ ? out
~~Landscape Technician~~	~~$99.00~~	~~$111.36~~	~~$111.00~~	~~4.47%~~	~~422~~	~~$46,838~~	~~$5,064~~ ? out
Clerical	$105.00	$118.11	$118.00	0.55%	52	$6,127	$675
Sr. Surveyor	$213.00	$239.60	$240.00	3.38%	319	$76,577	$8,615
				100.0%	9,441	$1,612,728	$180,492
						-110,595	-12,299
						$1,502,133	$168,193

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

(2) Proposed rate valid through December 31, 2019

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

Total Fee Increase For New Rates Through December 31, 2018:

CES/American =	~~$180,492~~ 168,193
FTE =	$19,979
Weiler =	$15,088
Total =	~~$215,559~~ $203,260

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

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

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

(2) Proposed rate valid through December 31, 2019

Hours billed through March 31, 2017 =

Original contracted hours =

SA 1 contracted hours =

Total contracted hours =

Remain contracted hours =

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

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

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

(2) Proposed rate valid through December 31, 2019

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