

# 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, Cranberr 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

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

two lane/two direction roadway and the proposed five lane roadway at all three intersections to be performed

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.

follows:

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. <del>31-05</del> 63 00 00	R15PW1	\$ 865,405.00
420-6061-533.63-00	<u>U15PW1</u>	\$ 7,478.23
420-6062-535.63-00	<u>U15PW1</u>	\$7,478.22
424-6062-535.63-00	<u>U15PW1</u>	\$ 7,478.22

CHÂNGE IN CONTRA	CT PRICE	CHANGE IN CONTRACT TIME				
Original Contract Amount:	5	2,394,0	28.31	Original Contract Time (days):	361 366	
Previous Amendment/ Change Orders:	# 0 #	to#	1	Approved Additions/Deductions of time:		
Approved Amount: Amendments/Change Orders	Amend CO	\$26,2	70.00	Current Contract Time: (y-t-d before this request)	727	
Current Contract Price:	\$2,420,298.31			This request: Add/(Deduct) contract time	487	
This Change <u>Add</u> /(Deduct):		\$887,8	39.67	If approved: Total Contract Time (y-t-d with this request):	1214	
Total Contract Amount w/this change (pending approval):	\$	3,308,1	37.98	Contract Start Date:	10/02/15	
	P	1		Original Completion Date:	09/26/16	
See The Control of th				Revised Completion Date:	01/28/19	

CONTINGENCY F	UNDS	Post .
Use of Contingency Funds?	Yes	No 🛛
Original Contingency Amount:		
Approved Use of Contingency Amount:		
Increase/(Decrease):	362 6	100
Contingency Balance:	3 1	

Approved Use of Contingency Amount:		8
Increase/(Decrease):		
Contingency Balance:	,	÷
RECOMMENDED:	RECOMMENDED:	, i
By: Ry Contractor Date	By: / Junior Manager	1/31/18 Date
APPROVED:  By B. Bollie 19	APPROVED:  By: Duy  Purchasing Manager	2/23/18 Date
APPROVED;  By: Cle as Ce T to 3/23/18  Finance Director Date	APPROVED:  By:  City Manager	3-1-18 Date
APPROVED:  By: Gatsy C. Adhim 3/2/18  City Clerk Date	APPROVED:  By: Con Llay  City Attorney	3/2/18 Date

January 2018 [Type here]

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# SUPPLEMENTAL AGREEMENT No. 2

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

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File: \(\text{IVSWES-F8IDATA\(\text{USERS\(\text{Sforrer\(\text{My}\)}}\) Documents\(\text{Current\(\text{Work Files\(\text{Price}\)}\) Blvd - North Port\(\text{SA\(\text{No.2} 5\) lane section and interim work\(\text{Price}\) Blvd Scope of Services - SA\(\text{No.2} 2018\(\text{01}\) 121.doc

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.
- Prior to the start of design of the 5-lane section, the 1.02.4.2 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 rightof-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 4lane 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 reuse 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 Bivd -

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: County: PPN: FAP No.:

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Right Turn Lanes

North Port

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

Date: 1/26/2018

Staff Classification	Total Staff Hours From	Project Manager	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clorical	Sr. Surveyor	SH By	Salary Cost By	Optional SH-	Optional:	Average Rate Per
	Summary -	\$249.00	\$290.00	\$224.00	\$168.00	\$114.00	\$169.00	B111:00	\$115.00	\$141.00	\$111.00	\$118,00	\$240.00	Activity	Activity	By Activity	By Activity	Task
3, Project General and Project Common Tasks	72	43	0	0	11	7	0	7	0	0	0	4	0	72	\$14,822	- by Addvity	By Activity	\$20S,86
3a. Post Design Bervices (Optional)	0	D.	0	۵	Ď	0	0	0	0	0	10	0	D	25.52	20 100 00000	.0	50	#DIV/0!
4. Roadway Analysis	250	25	0	- 50	.75	50	50;	0	0:	.0	0	0.	0	250	\$45.675		- 40	\$182,70
5. Roadway Plans	242	12	12	36	48	46	44	:44	0	.0	О.	D:	0	242	\$41,000		1	\$169,42
6a, Drainaga Analysis	186	9-	.9	47	56	65	b	0	0	0		0	0	186	\$33,227		5-	\$178.64
6b, Drainage Plans	145	7:	-7	- 22	20	28	26	26	0	0	0	0:		145	\$24,555		1 1	\$169,34
7. Utilities	D	.0.	.0	q	b	0.	0	0	0	-0	Ď.		0	0	\$0		1	#DIV/0!
8, Environmental Permits, Compliance & Clearences	54	Ġ:	3,	13	-10.	7.	6	0	18	0	0		0	64	\$11,123			\$173.80
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	10	D.	.2:	2	3	-3.	·o	0	07	ó	n.	Ö.		10	\$1,914		e	
10. Structures - Bridge Development Report-	0	_0	0	0	O	-0-	0	0	.0.	0	n	n		0	\$0		1	S191.40
11. Structures - Temperary Bridge	0	·D	.a.	.0	0	-0:	o	• 0	<b>20</b>	0	0	0		0	50		i i	#D V/0!
12. Structures - Short Span Concrete Bridge	. Ò	-0	40.	.0	D	0	0	- 0.	0:	0	0		0		S0		100	#DIV/0!
13, Structures - Medium Span Concrete Bridge	. 0.	.0	o	-0	p	-0	o o	0	(0)	0	0	70.	0	-D-	50	1		#DIV/0!
14. Structures - Structural Steel Bridge	o.	i D	o	å	D	in:	Ö	o o	0'	.0	0	n.		0	50		1 1	#D V/0!"
15. Structures - Segmental Concrete Bridge	£0		0	0	0	0	0	ō	0		0	.6.			SO SO			:#IDIV/0!
16, Structures - Movable Span	D.		0.	0	o	.0'	i i	n	0:	č	0		2	0	197		SF	#DIV/01
17, Structures - Retaining Walls	- 0	.D·	٥	0	. 0	(0)	-0	0	0:	0	0		5	.0	\$0 \$0		1	#DIV/01
18, Structures - Miscellaneous	80	2	2	16	24	11	25-	ň	0	ă	0	0.	, o	80	\$14,633			#DIV/01:
19. Signing & Pavement Marking Analysis	0	0:	a	0	D	0	0	n:	.0		0	in.	5	0	\$14,633 \$D			\$182,91
20, Signing & Pavement Marking Plans	36	2	2-	5	7	8	6	ě	Φ.	ň	a			36	207			ADIA/OF.
21. Signalization Analysis	0	.0.	0	-0	0	150	0	n n	526	ñ	o,		0	-0	\$6,086 \$0			\$169,06
22, Signalization Plans	0	o o	a	0	oʻ	Ö	0	ň	Ď.	Š			1 2	0	50		1	#DIV/0!
23, Lighting Analysis:	0	۵.	i a		D	10	0	n	D.		a	20.		D.	200	1	1	#DIV/0!
24. Lighting Plans	0	0	0	n	'n	o	0	ĝ	10:		0	0		W.C.	80			#DIV/OI
25, Landscape Architecture Analysis	D	. Oi	0-	0	ň	.0	0	0.	ρ.				D	0.	SD			#DIV/0!
26. Landscape Architecture Plans	0	0	10	.0.		10"	6	26	o:		. 0	0	0	0	SO:			#DIVIOL
27, Survey (Field & Office Support)	0	0	'n			.0	0	10	0.	0	(65)	10:	0	.0	50	,		#DIV/OL
28. Photogrammetry	20	0:	0		ă	0.	0	0	0	2	.0	0.	0	; D.	50		1	#DIV/OI
29. Mapping	-0.	.0	0	1 0	0	.0.	1 6 1	ů	φ:	o o	10	D	0	O:	SO	l		#DIV/OI
30. Terrestrial Mobile LIDAR	in:	0	·0		0.	0.	0	ä	0.0	0	0	D.	0	.D	\$0		69	#DIVIOI
31. Architecture Development	0	0	2		0	.0.	0	u	70	0	0	*D*	0	0	so .		1 1	#DIV/0!
32, Noise Barriers Impact Design Assessment	0	n.			0	100	U	u u	:0-	0	Ó	,D.,	0	.D	sa		1	#DIV/0!-
33. Intelligent Transportation Systems Analysis	0	0	u	4	D .	0	, i	Ü	.0	0	· a.	-D.	D	: D	SO.		1	#DIV/01
34. Intelligent Transportation Systems Plans	-0	n"	.0		0	· O.	0	- 0	.to.	O	0-	/0-	0	10.	\$0	İ		#DIV/OI
35. Geolechnical	0	70°	0.		0,	0	0 1	, 0'	D.	O	-0	0.	0	.0.	\$0	l		#DIVIOI
Total Staff Hours	1,085	106	.0	404	0.	. 0	0	0	:0	0	: :0.	D	0	. /D:	. 50			#DIVIOI -
Total Staff Cost	1,085	\$26.394.00	37. \$10,360,00	191 \$42,784.00	263 549;444.00	\$25.650.00	\$26,533,00	83	19	0	-0	. 4	0	1,085		0		
A CONTROL COST		1 920,394,00	\$10,360,00	1 342,784,00	\$48,444.00	323,650,00	\$20,533.00	\$9,213,00	\$2,185.00	/\$0,00	\$0,00	\$472:00	\$0.00		\$193,035.00		50,00	\$177,91

Survey Field Days by Subconsullant 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,

Check = \$193,035,00 SALARY RELATED COSTS: \$193,035.00 OVERHEAD: 039 \$0,00 OPERATING MARGIN: 036 S0.00° FCCM (Facilities Capital Cost Money): 0.00% SO.00 EXPENSES: 0.00% 50.00 4-man crow Survey (Field -)( by Prime) days 🙉 / day 50,00 SUBTOTAL ESTIMATED FEE (LUMP SUM): \$193,035.00 Subconsultant: Strayer (Survey) 50,00 Subconsultant: Universal (Geotechnical) Subconsultant: Cumbey & Fair (SUE locates and designates) 50,00 Subconsultant Weller (Uliky design) \$3,460,00 Subconsultant |F Rooks (LAMP) \$0.00 Subconsultant: FTE (Signals and Lighting) \$8,795.00 Subconsultant .FL Acquistion & Appraisal (Appraisals) 50.00 Subconsultant: Sub B 50,00 Subconsultant: Sub 9 \$0.00 Subconsultant: Sub 10 50.00 Subconsullant Sub-11 \$0.00 Subconsultant Sub 12 30,00 SUBTOTAL ESTIMATED FEE (LUMP SUM): \$205,290,00 Geolechnical Field and Lab Testing \$0.00 SUBTOTAL ESTIMATED FEE (LUMP SUM): \$205,290,00 T&M Services : Weller for Post Design Services 20,00 TEM Services FL Acquistion & Appreisal \$0,00 T&M Services : American for Post Design Services T&M Services "American Government Services Corporation for Title Searches 50,00

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

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

North Port

Consultant Name: American Consulting Professionals, LLC
Consultant No.: 5150774

Date: 1/29/2018

Project Staff Classificatio Landscape Landscape Chief Eng. Sr. Engineer Eng. Intern Sr. Designe Designer Env. Scient Clerical Catlonal Sr. Surveyo lours From Sallord By Cost By SH Salary Cost Rete-Per Boulevard \$111.00 \$118.00 5249.00 Activity y Activit By Activity Task 3. Project General and Project Common Tasks 72 43 0. 72 \$205.86 54 941 \$4.931 -\$4,941 3a, Post Design Services (Optional) 0 0 0 0 #DIV/DI 4. Roadway Analysis 250 25 50 75. 50 50 0 · O 0 0 250 545,675 \$15,725 \$182.70 \$15 225 \$15,225 5. Roodway Plans 242 12 12 36 48 46 44 44 10 0 0. 242 \$41,000 \$169.42 \$13,667 \$13,667 \$13,667 6a, Drainage Analysis 166 56 65 D .0, 26 0 0 186 \$33,227 \$178.64 \$13,955 \$13,623 \$5.649 6b. Drainage Plans 145 22 29 28 - 25 0 .0. 0. 145 \$24,555 \$169.34 \$10.313 \$10,068 \$4,174 7. Utilities n. 0 ·D 0 \$0 #DIV/O B. Environmental Permits, Compliance & Clearance 13 10 19 .0. .0 :0 0 64 \$11,123 \$173.80 \$5.560 \$5:562 9, Sinuctures - Micc. Tasks, Dwgs, Non-Tech. 0 '0 n 10 51,914 \$191,40 \$63R \$638 5638 10. Structures - Bridge Development Report 0: 0 0. D n 0 //DIV/D! 11. Structures - Temporary Bridge 0. 'n .:0 D. 0. 0 #DIV/D! 12. Structures - Short Soon Concrete Bridge 0 0 0 .0 0 n 0 50 #DIV/D! 13. Structures - Medium Span Concrete Bridge 0 D 0. 0 40 0 20 #DIVID! 14. Structures - Structural Steel Bridge 0 0 0. :0' 0 0 #DIV/01 15. Structures - Segmental Concrete Bridge O 0 .0. 0 50 HOIV/D! 15, Structures - Movable Span 0 ..0-0 0 50 //DIV/D! 17. Structures - Retaining Walls 0 n. O n D. 50 #DIV/IO 18. Structures - Maretaneous 80 2 16 24 11 25 .0 0 80 \$14,633 \$182.01 .S4\_878 \$4,878 \$4.878 19, Signing & Pavement Marking Analysis. o a D. Ď. D - 0 0 SD HOR HOS 20. Signing & Pavement Marking Plans 2. 5" .0 35 \$6,088 \$169.06 52 020 \$2,029 \$2,020 21. Signalization Analysis 0 0 0 0 0 0 50 NOMICH 22. Signalization Plans 0 0 0 0 0 D 50 #DIVING 23. Lighting Analysis 0 .0 0 0 0 50 #IDIVIDE 24. Lighling Plans 0 ·G .0 50 HOR//O! 25. Landscape Architecture Analysis 0 0 0 0 0 0 -.0 50 (IDM/ID) 25. Landscape Architecture Plans 0 0 .50 #DIVIO 27. Survey (Field & Office Support) .0 0 ·O. HDIV/O 28. Photogrammetry: 0 0. 0 HDIV/Q! 29. Mapping 0 .0 .0 NOIV(O) 30, Terrestrial Mobile LIDAR 0-0 0 #DIV/O! 31. Architecture Development 0 .0 . 0 SO #DIV/O! 32. Noise Barriers Impact Design Assessment 0" O SO HOIVO! 33. Intelligent Transportation Systems Analysis 0: n D. Sti IOIVIO! 34. Intelligent Transportation Systems Plans .0. n D 50 HOIV/O! 35. Gestechnical Total Staff Hours 1.085 106 37 191 263 157 83 19 1,095

\$0,00

59,213,00 \$2,185.00

Survey Field Days by Subconsultent 4 -- Person Crew:

Notes:

Total Staff Cost

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:

\$26,394,00 \$10,360.00 \$42,784.00 \$49,444.00 \$25,550,00 \$26,533.00

SALARY RELATED COSTS: \$193,035,00 \$193,035 OVERHEAD: \$0,00 OPERATING MARGIN-50.00 FCCM (Facililes Capital Cost Money) 0.00% \$0.00 Survey (Field - if by Prime) days @ / day 30.00 SUBTOTAL ESTIMATED FEE (LUMP SUM): 5193,035,00 Subconsultant: Strayer (Survey) Subconsultant: Universal (Geotechnical) Subconsultant: Cumbay & Fire (SUE locates and designates) 10.00 Subcersultant: Weller (Utilly design) \$3,450.00 \$1,153 \$1,153 \$1.153 Subconsultant: IF Rooks (LAMP) 10,00 Subconcultant: FTE (Signals and Lighting) \$8,795.00 Subconsultant: FL Acquistion & Approisal 10.00 Subconcultant: Sub & \$0.00 Subconsultant: Sub D 10.00 Subconsultant: Sub 10 Subconsultant: Sub 11 30.00 Subconsultent: Sub 12 30.00 SUBTOTAL ESTIMATED FEE IL LIMP SUBJE \$205,290,00 \$71,782.12 \$52,352.94 Geolechnical 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 & Approlaci (Acquisitions) \$0.00 T&M Services American for Post Design Services \$0,00 T&M Services American Government Services Corporation for Tallo Segriches TOTAL SUBTOTAL ESTIMATED FEE (TIME AND MATERIALS, NOT TO EXCEED): 30.00 GRAND TOTAL ESTIMATED FEEL \$205,290.00

\$193,035,00

\$0.00

\$177.81

\$71,207 \$70,629

\$51,200

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

\$0.00 \$205,296,60

Price Blvd Hours and Fee SA 2 - Right Turn Lone 2018 01 22 xisx Fee Sheet - Printe

Page 2 of 18

1/26/2018 1:56 PM

Representing	Print Name	Signature / Date
- FDOT District		
Consultant Name		

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					3324/02-
3.1.1	Community Awareness Plan	LS	4	0	0	
3.1.2	Notifications	LS	1	.0	0	P.
3.1.3	Prepare Mailing Lists	LS	1	0	۵	
3.1.4	Median Modification Letters	LS	1	·D.	0	
3,1.5	Driveway Modification Letters	LS	1	0.	.0	
3.1.6	Newsletters	LS.	1	(D)	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	4	0	0	
3.1.11	Other Agency Meetings	LS	1	O	0	
3.1.12	Web Site	LS	1	ō	0	
		3.1 Pu	blic Involvem	ent Subtotal	0	
3.2	Joint Project Agreements	EA	0	Ö.	O	
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.	Ø.	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	8.	O O	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1(1):	Railroad, Transit, and/or Airport Coordination	LS	1	0	10	
3.12	Other Project General Tasks	LS	٦	0	0	
	3. Project Co	mmon and Pr	oject Genera	Tasks Total	72	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	72	.6	12	
Drainagė	EA	-1	-6	:6	*
Utilities	EA	0	(0	}0 ÷	
Environmental .	EA	1	,6	6	
Structures	EA	→0	.0	:0	
Signing & Pavement Marking	EA	10	O	-0 ;	
Signalization:	EA	.0	<b>0</b>	./O	
Lighting	EA	0 ,	Ö	0	
Landscape Architecture	EA	0.	0	·0 i	
Survey	EÄ	Ö.	0	0	
Photogrammetry	EA	0	0	0	*
ROW-& Mapping	EA.	0	- O	0	N S S
Terrestrial Mobile LIDAR	EA.	0"	10	0.	
Architecture	EĄ.	0.	Ō	0	
Noise/Barriers	EA.	0	Ŏ	0	
ITS Analysis	EA	0	, O	, ó.	
Geotechnical.	ĖΑ	; Ö-	0	0	
Progress Meetings	EA	0	0	0	
Phase Reviews	EA	Di	0.	. O	1
Field Reviews	EA	0	O	Ö'	
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		

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	Q.	0.	N/A
4.13	Design Report	LS	1	0-	Ю	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
	and the second second second second	Roadway An	alysis Techn	ical Subtotal	185	
4.18	Field Reviews	LS	1	. 24	24	2 reviews * 6 hrs * 2 staff
4.19	Protection of Existing Structures	LŞ	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%	17.7	
4.22	Independent Peer Review	. Ļs	%	0%	D.	
4.23	Supervision	LS	%	6%	11	
	Road	lway Analys	is Nontechn	ical Subtotal	58	
4.24	Coordination	LS	.%	3%	7	
		4.	Roadway A	nalysis Total	250	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	Ó.	5	(O:		i,D
Pavement	EA	3 <u>0</u> .	0	70		0
Access Management	EA	0	0	0		0
15% Line and Grade	EA	1	6	6	yes	· H
Driveways	EA	/ <u>0</u> .:	0	0		0
Local Governments (cities, counties, MPO)	EA	3	6	6	yes:	1
Work Zone Traffic Control	EA	0	6	.0:	yės:	0
30/60/90/100% Comment Review Meetings	EÁ	.0	0	0		0
Other Meetings	EA	<b>≠</b> 0	.0.	0.		0 -
Subtotal Technical Meetings			A BUREL W	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	· O;	PM attendance at Phase Review Meetings is manually entered on General Task 3	7.
Total Meetings				12	Total Project Manager Meetings (carries to Tab 3)	2

Carries to 4.17

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

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	61	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	Ö	N/A
5.17	Roadway Soil Survey Sheet(s)		Sheet	1	1	1	Incorporate from geotech

Task No.	Täsk	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	٥		N/A
5.20	Temporary Traffic Control Cross Section Sheets		ËA	0	0	o	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	o	o	D	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	
(1)	en likelike velike nykonimikasi kapaninin mananin menengan kelike makanin per kua	Proposition	Roadwa	y Plans Techi	nical Subtotal	Hay 216 mg	
l	Quality Assurance/Quality Control		LS	%	6%	13	
5.28	Supervision		LS	%	6%	13	
497	I EN OCTO A AMERICAN WARRENCE WARREN		Neksalistaar	5. Roadway	/ Plans Total	242 m	The company of the co

# Estimator:

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

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	Ó	
6a.17	Technical Special Provisions	LS.	0	0	0	
6a.18	Other Drainage Analysis	LS	0	0	.0	
		Drainage /	Analysis Tech	nical Subtotal	147	
6a.19	Field Reviews	LS	া	В	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	0.4	Ō	
6a.22 Quality Assurance/Quality Control	LS	%	6%	9.	
6a:23 Independent Peer Review	LS	%-	0%	0	
6a.24 Supervision	LS.	%.	6%	.9	
	Drainage Anal	ysis Nontech	nical Subtotal	34	
6a.25 Coordination	LS	%	3%		The state of the s
		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	10	0-	0		10
Pond Siting	EA	10	.0	O:		10
Agency	EA		0	·O.		0
Local Governments (cities, counties)	EA	1	8	.8:	yes	1
FDOT Drainage	EA	0 3	0	:0:		0
Other Meetings	EA	Ď.	0;	:0		0
Subtotal Technical Meetings				8		1
Progress Meetings (if required by FDOT)	EA	0	D	0	PM attendance at Progress Meetings is manually entered on General Task 3	## E
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 6.1

Representing	Print Name	Signature / Date
FDOT District		2
Consultant Name		

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	13	8	24	Intersection improvement drainage maps for permitting
6b.2	Bridge Hydraulics Recommendation Sheets		Sheet	30	10	o	
6b,3	Summary of Drainage Structures		Sheet	1"	4.8	18	
6b,4	Optional Pipe/Culvert Material		Sheet	Ø	<b>10</b>	.O.	
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	o	0	0	
6b.8	Lateral Dilch Cross Sections		EA-	0	0	0	
65.9	Retention/Detention Ponds Detail Sheet(s)		Sheet	o	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 Techr	nical Subtotal	129	
6b.13	Quality Assurance/Quality Control		LS	%	6%	8	
6b.14	Supervision		LS.	.%	6%	8.	
				6. Drainag	e Plans Total	145	

Representing	Print Name	Signature / Date
Consultant Name		

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments Comments
	Environmental Permits, Compliances and Cleara	nces				
8.1	Preliminary Project Research	LS.	7	0	ō	
ليكاج	Permits	912 1				Company of the second s
8.2	Field Work:					
8.2.1	Pond Site Alternatives	per pond site	ή	0	o .	
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	νť	0	ò	×
8,2,3	Species Surveys	LS	1	4.04	ig.	
8.2.4	Archeological Surveys	Ĺs	í	101	0	
8.3	Agency Verification of Wetland Data	LS	t	0	Ó-	
8.4	Complete And Submit All Required Permit Application	ns.		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)
0.40	Complete and Submit All Required Species Permit Applications	Lis	1	, O.	· O.	
8.5	Prepare Dredge and Fill Sketches (as needed)	LS	1.	0	0	
8.6	Prepare USCG Permit Sketches	ES	<b>"1</b> "	0	.0.	
8.7	Prepare Water Management District Right-of-Way Occupancy Permit	£s:	×Y	70	0.	
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	-1	Ö	0	
8.9	Prepare Tree Permit Information	LS	1	0	0	
8.10	Mitigation Design	LS	-4:	0	0	
8.11	Mitigation Coordination and Meetings	LS	ř	0	Ô	
8.12	Other Environmental Permits	LS	. 1	0	Ö,	
	Environmental Clearances/Reevaluations					
8.13	Technical support to Department for Environmental ( consultant provides technical support only)	learances and	Reevaluati	ons (use when		
8.13.1	NEPA or SEIR Reevaluation	LS	1.	10.	0.	

Γask No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.13.2	Archaeological and Historical Features	LS.	4	σ	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 all documents associated with reevaluation)	d Reevaluations (use	when consulta	ant prepares		
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/Reevalu	ations Techn	ical 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, Comp	liance and Clearanc	es Nontechn	ical Subtota	13	
8.20	Coordination	LS	%:	5%	3	
	8. Environment	al Permits, Complia	nce and Clea	arances Total	64	

	Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
WMD	(18)	EA	1	8	В	yes	1
NMFS		EA	0	0	0		0
USACE		EA	0	0	0		0
USCG		EA	0	0	D		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	2	0

Task No. Task	Units	No. of Units	Hours/ Units	Total Hours	Comments	
Subtotal Technical Meetings		e de la composition della comp	.tr		Subtotal Project Manager Meetings	.1 ::::
Progress Meetings (if required by FDOT)	EΑ	0	0	Ö	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 Annual Transportation and Ann	BARRING	23.27-1103/2-22	Aparters. 7	- 10 8 m/s	Total Project Manager Meetings (carries to Tab 3)	1 . ::-:

Carries to 5.18

Carries to Tab 3

Estimator:

Representing	Print Name	Signature / Date
FDOT District		
American	Richard Hunter	

Task			De	esign and Proc	iuction Staffhour	s						
No.	Task	Units	No. of Units	Hours per Unit	No. of Sheets	Total			Comments			
	General Drawings											
9.1	Key Sheet and Index of Drawings	Sheet	0	0	σ	Ō						
9.2	Project Layout	Sheet	0	0	0	0.	resulter and the same					
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	O	.0						
9,6	Existing Bridge Plans	LS	1	Ö		٥			10-000			
9.7	Assemble Plan Summary Boxes and Quantities	LS:	.1	0		0					1	
9.8	Cost Estimate	LS-	1	0		٥						
9.9	Technical Special Provisions	LS	۹.	0		0				*		
	Structures - Summary and Miscellaneous Tas	ks and Drawing Subtota	s al		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	Ö	.0	:0	0			
10-16	Bridge 2	0										
10-16	Bridge 3	0										
10-16	Bridge 4	0										
10-16	Bridge 5	0									garpen a e a	
10-16	Bridge 6	0						13.00				
10-16	Bridge 7	0						8.				
10-16	Bridge-8	0		A								
10-16	Bridge 9	0				12						

10-16	Bridge 10	, <b>0</b> .		7.							
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			Comi	ments		
9.10	Field Reviews	L'S-	Ť	0	Ö						
9.11	Technical Meetings	LS	ĭ	Ó.	0	Meetings are list	ted below				AND A COMPANY
9.12	Quality Assurance/Quality Control	LS;	%	7%	6						
9,13	Independent Peer Review	ES	1	<b>(0</b> )	(0)						
9.14	Supervision	ĻŠ.	. %	5%	4			3			0.0
	Structures Nontech	nical Subtotal			10						
9.15	Coordination	LS	1	0	Ö.				and the second		
1	9. Structures - Summary and Miscellaneous Tasks Nontechnical and Coor				10			i David Isaa tur			

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	i o		0
Local Governments (cities, counties)	EA	0	D -	0		0
Utility Companies	EA.	0	0	O		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	H(H)
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	

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Concrete Box Culvert						
18.1	Concrete Box Culveris	EA	D	0		Ò	
18.2	Concrete Box Culverts Extensions	EA Extension	0	0		.0	
18.3	Concrete Box Culvert Data Table Plan Sheets	Sheet	0.	101	:0	0	
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	0	. 0	D	ď	
	Strain Poles					Tall IV	The Supplemental Proposition of the American State of the Company
18.5	Steel Strain Poles	Initial Config EA Add'i	0	0	-	0	
		Config	0	0.		0	
18.6	Concrete Strain Poles	Initial Config	D	0		D	
10.0.1	Concrete Strain Poles	EA Add'l Config	Q	0		0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	D	0	0	0	
18,8	Strain Pole Special Details Plan Sheets	Sheet	D	D	Ö	Ď.	
	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	ō	
in reta	Overhead/Cantilever Sign Structures					البدياني	
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		HOUSE	
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	Q	0,	٥	0	
18.16	Overhead and Contilever Sign Structures Special Details Plan Sheets	Sheel	0	0	.0	0	10.500
	High Mast Lighting				200		
18.19	Non-Standard High Mast Lighting Structures;	EA Design	G	0		0	
18,20	High Mast Lighting Special Details Plan Sheets	Sheel	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 Wali	0	0		0	
18,23	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	a	
18.24	Control Drawings	Sheet	0	0.	٠٥,	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'		à	
18.27	Aesthetic Details	LS	-1	0		0	
	Special Structures					STREET, STREET,	
18,28	Fender System	LS	1	0.		0	
18 20	Fender System:Access	£S.	1	1 0		0	

18,30	Special Structures	LS	1	o o		0	
18.31	Other Structures	LS	1	0		٥	Special Light Pole foundations (spread footing or smaller shafts)
100000		18. Structur	es - Miscella	neous Total	利用 <b>2</b> 供款	80	

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

Task No.	Task S	cale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	0	Ot	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	o.	Ó	0.	
20.6	Plan;Sheet	40	Sheet	(6	4	6	24	
20.7	Typical Details		EA	0	00		.0.	3
20,8	Guide Sign Worksheet(s)		EA.	10	0		.iOi	
20.9	Traffic Monitoring Site		-EA_	0	0		-0.	
20.10	Cross Sections		EÁ.	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	
1	Signing and	Pavemen	nt Marking	Plans Techn	ical Subtotal	7	32	
20,14	Quality Assurance/Quality Control		LS	%	6%		2	2000
20,15	Supervision		ĿS	%	6%		:2	
LIC-	20	). Signing	and Pave	ement Marking	Plans Total	7	36	THE SALE OF SALES AND SALE

# 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 f	Project Manager	Registered PE	Registered E	Sr. Designer	Designer	Technician	Sr. Construction insp.	Construction Insp.	Clerical	Total Hrs	Sub-Total
SA 2, Part 2. Right Turn Lanes at Sphord, Granberry and Chambertain	, , , , , , , , , , , , , , , , , , , ,	T T T T T T T T T T T T T T T T T T T		113000133			745(4)53(1)		School ages 11195	J. Jerica	TOTAL FEE	July July 1
Task 4,08 Utility Cooldination (LUMP SUM)												
4.06.1 Lttlity Coordination												
Wastewater - Transmission Force Main												
t. 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	O.D.O	9,67	3,57	
c, Public Involvement (2 mtg total per Task 4,18)	0,00	0,00	0.00	0.00	0.00	0.00	0.00	b.06	0.00	0.00		
Sub-Total Hours	0,33	2.00	1.67	1.67	1.57	0.00	0.00		0.90	1,33		
Hounly Rate	5214,00	\$153,00	\$163.00	\$129.00	\$112.00	\$101.00	\$90,00			\$82.00		
Sub-Total Fee	\$71,33	\$328,00	\$271,67	\$216,00	\$188,67	50.00	20,02	\$0,00	\$0,08	\$82,67		3869/AS1/153/
2. Potable Water - Distribution Main												
a. Coordinate w/ Existing Utili 9as	0.00	1,33	1,00	1,00	1.00		0.00		0.00			
b. Pre-Design Conference	0.33	9,67	0.67	D,67	0.87		0.00		0.00		3,57	
p. Public Involvement (2 mlg total per Task 4.18)	0,00		0,00	0.00	0,00		0.00	**************************************				
Sub-Total Hours			1,67	1.57	1,67		0.00		0.00			
Hourly Rate	\$214.00		\$163.00	5129,00	\$112.00	\$101,00	590.00	\$118.00	\$101.00	\$62,00		
Sub-Total Fee	\$71.33	\$325,00	\$271.67	\$215.00	\$188.57	\$0.00	\$0,00	\$0,00	\$0.00	\$82,87		@27 X \$1:1533
3, Re-Use Water - Distribution Main	A.W							<del></del>				
a. Coordinate w Existing Utilities	0.00		1,00	1,00								
b. Pre-Design Conference	0.33		0.67	0.67	***************************************		************************	<del></del>	0.00			
c, Public Involvement (2 mtg total per Task 4,18)	0.00	0.00	0.00	0,00	0,00	- Pierr	0,00	0,00	0.00		0,00	
Sub-Tetal Hours	0,33		1.67	1,67	1.57		0.00 S90.00		0.00	1,33	8,67	
Hourly Rate Sub-Total Fee		\$163,00 \$326.00	5163,00 5271,67	\$129,00 \$215,00	\$112,00 \$186,67	\$101,00 \$0,00	\$0.00	\$118,00 \$0,00	\$1,00	\$62,00 \$82,67		668 S1 153
Sub-rotal Fee	3/1,00	0525.00	32/1/0/	3213.00	\$ 160,07	30.00	\$0.00	30.00	\$0,00	302.57	<del>                                     </del>	HESSON 201 (1234)
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	And the Party of t	\$163,00	\$129,00	\$112,00		\$90,00	<del></del>		562.00		
SA2, PART 2 SUB-TOTAL FEE (LUMP SUM)	\$214.00	· · · · · · · · · · · · · · · · · · ·	\$815.00	\$845.00	\$560.00	\$0.00	\$0.00	\$6.00	***************************************	\$248,00		CAN 33,460

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

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

Name of Project: County:

FPN:

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

North Port

Consultant Name: FTE

Consultant-No.: enter consultants proj. number

Date: 1/26/2018

Staff Classification	Total Staff Hours From	Project	Sr Engineer	Project	ineer Designer	Technician	Clerical	Staff Classi-	Staff Classi-			Staff Classi-	Estimator: Staff Classi- fication 12	SH By	Salary Cost By Activity	Average. Rate Per
5-411	"SH Summary		7176-12-11 - 10.00001	Engineer		Technician		fication 7	fication 8	fication 9	fication 10	fication 11				
	Flrm"	\$160,00	\$185.00	\$130,00	596,00	\$55,00	\$60.00	\$0,00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Activity		Task
Project General and Project Common Tasks	0	-0	0	0.	0	D	a a	D	D	0	.0	0	D		so	#D V/0!
. Roadway Analysis	٥	0	0	0	D	0	D,	0 .	Ö	0	0	D	0	0	50	#DIVIO!
. Roadway Plans	0	.0	0	.0	D	0	O:	D	0.	0	0	D	0	0.	\$0	#DIV/0!
a. Drainage Analysis		D.	.0	0 .	0	0	0	0:	D	0	٥	0	0	D.	S0.	#DIV/DI
b, Drainage Plans	٥.	٥	-0'	. 0	D	D	D	۵	D	0	0	0	0	o.	50 .	#DIVID!
. Utilities:	В	. D	0	0	0	b	٥	0	٥	0	0	0	0	0	SD	#DIV/0!
3. Environmental Permits, Compliance & Clearances	.D:	·.D.	-0	٥	0	D	0	0	o′	0	0	0	0	0.	80	#DIV/0!
, Structures - Misc. Tasks, Dwgs, Non-Tech.	D.	.0	×0	o,	Ó	D.	D	0	O	0	o o	0	0	0	\$D	#DIV/0!
10. Structures - Bridge Development Report	0	0	.0	0	0	0	O	0	0	0	D	0	0	0	50	#DIV/0!
11. Structures - Temporary Bridge	Ô	.0	0-	а	0	D	Ö	b	0	0	0	0	В	0.	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	D	-0-	0.	0	D	0	O	b	٥	0	0	0	0	0	30	#DIV/0!
13, Structures - Medium Span Concrete Bridge	D	0	0.	٥		D	G	D'	0	0.	D	n	0	0	50	#DIV/B!
4. Structures - Structural Steel Bridge	0.	0	O .	a	D	0	D	ď	D	0	, p		ò	0	30	10(V)Q\
5. Structures - Segmental Concrete Bridge	D	D.	0	0	D	0	0	0	٥	a	0		0		siD .	#DIV/0!
6. Structures - Movable Span	'B'	D.	0	0	0	0	Q	o	0	a	0	0	D	.0	SD	#DIV/0!
7. Structures - Retaining Walls:	٥	٥	0	D	0	0	O.	0	á.	a	0	0		B	50	#DIV/0!
B. Structures - Miscellaneous	D	0	O.	·· O	0	0	0	0	0.	a	0	'n	0	D	SD	#DIV/0!
9. Signing & Pavement Marking Analysis	o.	· a	O.	0	0-	0	0	0	b .	0	n	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	ם	.0.	o	0	0	0	0	0	0	0	_		0	.0.	SD SD	#D V/0
21. Signalization Analysis:	69	7	14	'34	0	7	7	0	0	0		0	0	69	58,795	\$127,46
22. Signalization Plans	D	. 01	0	٥	0	ď	o <sup>r</sup>	Ď.	0	0		0	0	D	50.	#DIV/01
23. Lighting Analysis	(0)	0.	-0.	. 0	D	0	Ó	0	0	b'		0	0	D D	Sti	#DIV/0]
24. Lighting Plans	Di	.0	· o.	0:	0	0	0	0	0	0		n			50	West Dawn Co.
25, Landscape Architecture Analysis	D.	0	0	70	D	D.	0	n		0	0	D	0	Ó	710	#DIV/01
6. Landscape Architecture Plans	0	D	.0.	O'	.0	0	0	0	0		0	0	190	1	\$0	#DIV/0!
27. Survey (Field & Office Support)	D	ō.	.0	0.	D	b	ó	0		0	0		0	.0	50	#DIV/0!
28. Photogrammetry	0,	:0.	10	.0.	D,	0	0		0	0		0		.0:	SO	#DIV/DI
29. Mapping	0	.0	-0	0	,		n		0	0	u n	<u>.</u>	1000	0	so	#DIV/0I
30. Terrestrial Mobile LIDAR	0	D:	0.	0		0	0	0	0	0	ų n	0	0	0	S0	#DM/0I
1. Architecture Development	D.	D.	-0	.0	D	.0	0	0	0	0	ó		Ď	6	50	#DIV/0]
2. Noise Barriers Impact Design Assessment	0	0	.0	0	0	0	0	1 6	0	1 0	Q.	3	0	0	SQ.	#DIV/DI
3. Intelligent Transportation Systems Analysis	:0	0	0	.0	0	in .		0	0	0	0	2	0	0	\$0	#DIVIDI
4. Intelligent Transportation Systems Plans	0	0	0	0.		n	n n	0.	0		0	0	0	D	so	#DIV/0
35. Geolechnical	0	0	0	0.			n	0	0	0	0	0	a	:0	so	#D1V/01
Total Staff Hours	69	7	14	34	D	7	7	0	0	0	0	D D	0	0	SO	#DIV/01
Total Staff Cost		\$1,260,00	\$2,310.00	54,420.00	50.00	\$385,00	\$420,00	\$0.00	\$0.00	\$0.00	50.00	\$0,00	\$0,00	69	58,795,00	\$127.46

1	10	le	5

<sup>1.</sup> This sheet to be used by Subconsultant to calculate its fee.

			\$8,795,00
0%			\$0.00
0%			\$0.00
0.00%			\$0.00
0.00%			\$0.00
			\$8,795.00
4-man crew da \$	- / day	,	\$0.00
			\$0.00
			\$8,795,00
			\$0.00
			\$8,795.00
	0.00% 0.00%	0% 0% 0.00% 0.00%	0% 0% 0.00% 0.00%

# Estimator: O.Rodrigues

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

Representing	Print Name	Signature / Date
FDOT District		
FIE	Oliver Remy Rodrigues	72 W 200

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	L,S	1	11:5	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	Ö	N/A:
21.4	System Timings	ÉS'	1	. 9:	. 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	T.	Ö	0	N/A
21.8	Pole Elevation Analysis	LS.	1	Ö.	0	NA
21.9	Traffic Signal Operation Report	LS	1	03	· 02	N/A.
21.10	Quantities	LS	1	0	0:	N/A.
21.11	Cost Estimate	LS	1	Ø:	0.	NA
21.12	Technical Special Provisions	LS	- 1	. O+	ő	N/A
21.13	Other Signalization Analysis	LS	1	0	Ó.	N/A
THEN	Sign	alization Ana	lysis Techni	ical Subtotal	55	
21.14	Field Reviews	ES.	1	0,1	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%	Ó.	
21.18	Supervision.	£s.	%	7%	4:	
	Signaliz	ation Analys	is Nontechni	ical Subtotal	12	

# Project Activity 21: Signalization Analysis

21.19 Coordination	LS	%	3%	2	
	21. Sigi	nalization Ar	alysis 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	ΈA	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		2 5 17		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	76-4
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

Corries 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: County: FPN: FAP No.:

Price Boulevard Widening from Sumler Blvd to Toledo Blade Blvd - SA 2 for Salford Signal North Port

Consultant Name: American Consulting Professionals, LLC: 5159774 1/26/2018

FAP Nö.:	Total Staff	Destant			March of			_					Estimator:	Ryan Forreste				
Staff Classification	Hours From "SH Summery -	Project Manager \$249.00	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sri Dealgner	Designer \$117.00	Env. Scientist	Architect	Landscape Technician	Clerical	Sr. Surveyor	SH By	Salary Cost By	Optional:	Optional Salary Cost	Average: Rate Per
3, Project General and Project Common Tasks	BR.	53	0	0224,00	13	9	3109.00	\$111.00	0	3141.00	\$111.00	S118:00-	\$240:00	Activity	Activity	By Activity	By Activity	Task:
Ba. Post Design Services (Optional)	0	0	0	0	0.	0	0		0	0	0	4	0	88	\$18,138	290	390	\$206,11
4. Roadway Analysis	128	13	0:	-26	37	26	.26	0	0	0	0	D-	0			0	\$0	#DIV/0:
5, Roadway Plans	0	0	0	.20	0	0	.20	.0	0.	9	· u	D.	0	:128 Ö	\$23,375		8 8	\$182,62
6a. Drainage Analysis:	D-	0		, D	/0	0	2		0.		.0,	.0	0		- sa	1		#D[V/0!
Sb. Drainage Plans	0.	D.	0	0	.0.	0	, i	0	01	o.	.0	0	0	10	\$0			#DIV/0!
7. Utilities	0.	D	0	0	VD-	0	0		0.		a,	0.	1 2	185	50.			#DIVID!
B. Environmental Permits, Compliance & Clearances	0	0	0	0	.0.	30			rd.>	9	0		0	.0.	.50		1	#DIV/0!
9. Structures - Misc, Tasks, Dwgs, Non-Tech.	3	0	1	1		0.	0	ě		0		0	0	0.	so			#DIV/0!
10, Structures - Bridge Development Report	0		0.		0	02		u	0.	P	0	.01	0	3	\$592			\$230,67
11. Structures - Temporary Bridge		D	0		.0	a.		u,	1 0.79	9	O.	Ð	0	0	50			#DIV/O!
12. Structures - Short Span Concrete Bridge	.0	:0	0	0	u.	0.	D	, Q	0	0	.0	0	0	.D:	20	1		-#DIVIOI
13, Structures - Medium Span Concrete Bridge	:D.:	.0	0.		-0-		D D	.0	.0.,	8	.0	D.	D	0	50			#DIV/OI
14. Structures - Structural Stool Bridge		.0		0	-0.	0.	u u	_0	10.	0	.0	ο,	0	0.	\$0			#DIV/01
	0.5	0.01	Ų.	0	D1	0.	0	0	.0.	0	0:	0	0	0	SO.	1		IOVVIO#
15. Structures - Segmental Concrete Bridge	(2)	-0	0	0	.0	0	Q		-0.	٥	0	Ö	0	0	· 50	1	1	#DIVIO!
16. Structures - Movable Span	:0	0	10	0	FQ.	0:	. 0	a.	0.	0	. 0	.0.	0	·O	\$0.		1	#DIVIO!
17. Structures - Retaining Walls	107	01	-0	0	<b>20</b> 2	o.	0	0	0,	0	.0.	Ö	0	ΰ.	\$0	l.		#DIV/D!
18. Structures - Miscellaneous	20	1.	1	6	.8.	3"	9	.0.	0.	O.	0	D -	0.	28:	\$5,240	i		\$187,14
19. Signing & Pavement Marking Analysis	0	0	0	0	0	:o	ū	. 0	107	Ó	10	ъ	0	0	.50		60	MOIVIO
20, Signing & Pavement Marking Plans	8	0.:	0	1	.2:	3.1	1	्य	0.	0	0	D.	0	-8:	51,222			\$152.75
21. Signalization Analysis	0	0:	0;	0	0	۵,	Ď.	.0.	0	0	0	0	Q	.0 -	\$0.	1		#D)V/01
22. Signalization Plans	D	20.		D	·O;	:0	0	: 0	:0:	0	0	.D.	D	.D.	\$0.	ľ	5	ANDIANO!
23. Lighting Analysis	0	0	0 -	D	.0.	0.	Ď	. 0)	.0.	0	0	Ö.	Ö	0.	. 50		10	#DIVIO!
24. Lighting Plans	:0:	0	0.	D	0	0	D	.0	0.	Ò	0	:0 -	0	.0	\$0		2	#DIV/0!
25. Landscape Architecture Analysis	±0	, O.,	.0.	O.	1.0	.0'	D,	0.	.0:	0	.0.	-0	0	0.	SO			#DIV/O!
28. Landscape Architecture Plans	.0	D)	0.	Ó	: 0:	0.	D	ů-	.0.	0	0:	0	D	D-1	. 50			#DIV/O!
27, Survey (Field & Office Support)	.0	.0/	0.	0	.0.	0	D	: O	0.	0	O.	.0	0	0	50	į.	127	#DIV/O!
28. Photogrammetry	0.	ď	0:	b	0	0.	D	70	۵.	0	0	0	0	0	**\$0	d .	1	/4/DIV/O!
28. Mapping	0	.D	0.	D	0	01	D	O.	.0.	0	.0.	O O	0	.0-	:\$0	1	1. 1	#DIVIO!
30. Terrestrial Mobile LIDAR	0	0	.0;	p	(O;	O'	D	· O.	0.	0	0.	0.	0	.0-	-so	1		#DIV/O!
31. Architecture Development	D	.0	0.	0	D)	D.:	D	0	0	0.	· O.	0	0	0	so	1		#DIVIO!
32. Noise Barriers Impact Design Assessment	0.	0.	0	0	0.	0:	0	0.	Ó.	Ö	0	-0	Ö	0.	50	1		#DIV/0!
33. Intelligent Transportation Systems Analysis	07	D	,0,-	Q	10	0.3	0	o'	0>	0	-0	D	0	0	.50		2	#DIV/0!
34, Intelligent Transportation Systems Plans	D'	2 <b>D</b> :	.0	0	70	0:	D	· oʻ	0:	D	0	.0	0	0	-50		Co.	#DIV/OI
35, Geotechnical	0	·D	0	. 0	0	:0:	D .	0	0	O .	g.	0	0	0	SO:	1		#DIVIO
Total Staff Hours	255	67	2-	34	61	41	36	10	Di	0	0	4	0	255	- Ju.	0		WOIVIGI
Total Staff Cost		\$16;683.00	\$560.00	\$7,616,00	511,468.00	\$4,674.00	\$5,084.00	\$1,110,00	\$0.00	\$0.00	\$0.00	\$472.00	\$0,00	200	\$48,667.00	2 225	\$0.00	. 5190.65

Survey Field Days by Subconsultant 4 - Person Crew

Notes: 1. This shoot to be used by Prime Consultant to calculate the Grand Total (ee.,

2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden:

	Check = \$48,667.00	
SALARY RELATED COSTS:		\$48,667.00
OVERHEAD:	0%	\$0.DD
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	50,00
EXPENSES:	0,00%	50,00
Sec. 14 120 (24) 10	4-man crew  days @ \$ - /day:	
Survey (Field - If by Prime)		\$0.00
SUBTOTAL ESTIMATED FEE (LUMP)	SUM):	\$48,567.00
Subconsultant: Strayer	(Survey)	\$0.00
Subconsullant: Universal	(Geotechnical)	\$0.00
Subconsultant: Cumbey & Fair	(SUE locates and designates)	50.00
Subconsultant: Weiler	(Uliky design)	\$0.00
Subconsultant: IF Rooks	(LAMP)	50,00
Subconsultant: FTE	(Signals and Lighting)	SET SEE US
Subconsultant: FL Acquistion & Apprel	sal, (Appraisals)	\$0.0D
SUBTOTAL ESTIMATED FEE (LUMP		\$65,740,00
Geolechnical Field and Lab Testing		\$0.00
SUBTOTAL ESTIMATED FEE (LUMP:	Cithet.	\$65,740.00
T&M Services Weller for Post Design		The second of th
		50.00
T&M Services FL Acquistion & Apprai	20 CTV CONTRACTOR OF THE PROPERTY OF THE PROPE	20,00
T&M Services American for Post Desi		20.00
T&M Services: American Government	Services Corporation for Title Searches	50.00
SUBTOTAL ESTIMATED FEE (TIME A	ND MATERIALS, NOT TO EXCEED):	50.00
GRAND TOTAL ESTIMATED FEE:		\$65 740 DO

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	

Task No.	Task	Scale	Units	No. of Units	Hours/Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet	-	Sheet	d	4	1	:4	
24.2	Summary of Pay Items Including Designer Interface (TRNS-Port) Input		Sheet	20	o	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	K	6	1	-6;	a a
24.5	Pole Data, Legend and Criteria		Sheet	1	. 4	1	-4	16hrs 1st sheet + 10hrs/additional sheet
24.6	Service Point Details		Sheet	4	0	9	(0)	N/A.
24.7	Project Layout		Sheet	YÖ	o	₹Ď.	· O)	NIA
24.8	Plan Sheet		Sheet	1	3	1	3	Scale 1" = 40'
24,9	Special Details:		Sheet	1	o ·	1		N/A
24.10	Temporary Lighting Data and Details		Sheet	Ô	0	<b>O</b>	(O)	N/A:
24.11	Traffic Control Plan Sheets		Sheet	0	.0	"D	0	N/A.
24.12	Interim Standards		LS	1	0	00	-0	N/A.
-			Lighting I	Plans Tech	nical Subtotal	7	21	
24.13	Quality Assurance/Quality Control	v:	LS	%	7%		1	
24.14	Supervision	2	LS.	-%	7%		1	
27.40		Description.	THU . S.L.	24. Lightin	g 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	ĒΑ	Ō	0	0		0
FDOT Traffic Design	EA	0	0	0		.0
Power Company (service point coordination)	EA:	0	4	Û		0
Maintaining Agency (cities, counties)	EA	1	-4	4		٥
Airport authority	ΕÁ	0	0	0		٥
FDEP Lighting (coast areas)	£Α	0	0	0		0
Other Meetings	ĒΑ	0	۵	٥		D
Subtotal Technical Meetings	Barren 199			4	Subtotal Project Manager Meetings	
Progress Meetings (if required by FDOT):	EA:	0	D	O:	PM attendance at Progress Meetings is manually entered on General Task 3	μ.
Phase Review Meetings	EA	0	D	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

மேர்≅ to 23∄4

Carrier to Tab 3

Representing	Print Name	Signature / Date
FDOT District	4	
FTE	Oliver Remy Rodrigues	

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	#LS	1	0	0V	N/A:
23.2	Lighting Design Analysis Report	ts,	1	6	8	1 altenative (pole height, wattage, arm length)
23.3	Aeronautical Evaluation	: ·LS	1	a	٥.	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	Ļs	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	ă	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	Ò	NIA;
		Lighting An	alysis Techn	ical Subtotal	35	
23.13	Field Reviews	LS	1	4	4.	1 reviews x 2 people @ 2hrs
23.14	Technical Meetings	ies	a '	4	4	
23.15	Quality Assurance/Quality Control	ES	10/6.	7%	2	-1-77
23.16	Independent Peer Review	LS	%	D%	0	
23.17	Supervision	LS	-%:	7%	2.	
		Lighting Analys	is Nontechn	ical Subtotal	12	
23.18	Coordination	Lis	%	3%	. 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		2:	. Lighting A	nalysis 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	

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	::d	0	D	:Ó.	N/A
22.3	Tabulation of Quantities		Sheet	1	4	1	· <b>4</b> ·	
22.4	General Notes/Pay Item Notes		Sheet	1	4	10	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	D		0.	N/A
22.8	Guide Sign Worksheet,		EÄ	0	2		0	NIA
22.9	Special Details		Sheet	1	0	1	0	N/A:
22,10	Special Service Point Details		EA	D	0		.0	N/A
22.11	Mast Arm/Monotube Tabulation Sheet		PI'	0	0		·O.	N/A
22.12	Strain Pole Schedule		PI	0	0		0	N/A
22.13	TCP Signal (Temporary)		EΑ	-1	D		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
		Si	gnalization	Plans Techni	ical Subtotal	6	18	
22.17	Quality Assurance/Quality Control		LS	%	7%		1	
22,18	Supervision		LS	:0/a	7%		4	
			22	. Signalization	Plans Total	6	20	

# Project Activity 21: Signalization Analysis:

21.19 Coordination	ES	%	3%	2	
	21. Sig	nalization Ar	alysis Total	62	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	10¥	O:1	0		. 0.
FDOT Traffic Design	EA	0	04	0	961/71 25176/JAN 3797-97	Or.
Power Company (service point coordination)	EA	Ö	2	.0		Ön
Maintaining Agency (cities, countles)	EA	2	2	4		0,
Rallroads	EA	01	0	Ö		0-
Other Meetings -	EA	19	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	Or .	0	PM attendance at Phase Review Meetings is manually entered on General Task 3.	12.2
Total Meetings				7	Total Project Manager Meetings (carries to Tab 3)	0

Carries to 21,15

Carries to Tub 3

Estimator: O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

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

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	:Pl	1	6	6	Ped and Vehicle dearances
21.3	Access Management	LS	1	0	0.	N/A:
21.4	System Timings	LS:	1	0.	ō.	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	O.	0	N/A
21.7	Overhead Street Name Sign Design	EA	0	2	Ö	N/A
21.B	Pole Elevation Analysis	LS	1	0	O	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	00	0	N/A
21.13	Other Signalization Analysis	LS	1	6	6	TCP analysis
15	Sign	alization Ana	lysis Techn	ical Subtotal	43	
21,14	Field Reviews	ĻS	1	4	4.	1 review x 2 people @ 4hrs
21.15	Technical Meetings	ĹS	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	
	Signalia	zation Analys	is Nontechn	ical Subtotal	17	

Representing	Print Name	Signature / Date
FDOT District		
Consultant Näme		

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	ES	1	10	.0	W W
3,1,2	Notifications	LS	1	70.	:0	
3.1.3	Prepare Málling Lišts.	LS:	<b>~1</b> ;	.0	.o	
3.1.4	Median Modification Letters	Ls.		0.	-Ö. :	
3,1/5	Driveway Modification Letters	ĹŠ	rit,	ø	(0	
3.1.6	Newsletters.	LS	-1	Ö	0	por an analysis of the second
3.1.7	Renderings and Fly Throughs	LS	al.	o	; <b>0</b> ;	- I
3.1.8	PowerPoint Presentation.	LS	1	( <b>0</b>	ő	
3,1,9	Public Meeting Preparations	LS	'1'	ō	۵,	
3.1.10	Public Meeting Attendance/Followup	ĽS	4	0	.0	
3.1.11	Other Agency Meetings	ES	1	0	0	
3.1.12	Web Sité	ËŚ	4	Ō	.0	
		3.1 Pu	blic Involveme	ent Subtotal	0	
3.2	Joint Project Agreements	EA	0	.6	:0	v v
3.3	Specifications Package Preparation	Lis	1	24	24	<b>.</b>
3.4	Contract Maintenance and EDMS	LS	- 1	24	24	
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	§ <b>0</b>	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	24	24	
3.7	Plans Update	ĽS	1	(Q	0	
3.8	Post Design Services	LS	e 1	Ö	. 0	
3.9	Digital Delivery	LS	1	Ö	0	428
3.10	Risk Assessment Workshop	LS	1	Ö	. 0	365

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	D	٥	
3.12	Other Project General Tasks	LS	1	16	16	Coordination with City Staff
1700 1 1 1 1 1	NAME OF THE PARTY	Contract to the second section in the second	Callabras I Com to Carl	Tasks Total	1	

3.6 .k List of Project Manager Meetings	Units	No of Units	Hours/Junit	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	٥	
Lighting .	EA	О	0	0	
Landscape Architecture	EA	0	D	0	
Survey	EA .	0	D	0	
Photogrammetry	ĒΑ	- o	D	0	
ROW & Mapping	EA	0	٥	٥	
Terrestrial Mobile LiDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	٥	0	
Geotechnical	EA	0	0	٥	
Progress Meetings	EA	a	0	0	
Phase Reviews	EA	o o	0	0	
Fleid Reviews	EA	O	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 everage 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		

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	Ls	1	-60	Ó	N/A
4.2	Pavement Type Selection Report	LS	1	Ö	0	N/A
4,3	Pavement Design Package	LS	1	8	·B:	
4.4	Cross-Slope Correction	LS	7	,0	÷0;	N/A.
4.5	Horizontal Wertical Master Design Files	LS	4	0.	Ö.	
4.6	Access Management	LS	-1	0	.0	
4.7	Roundabout Evaluation	LS	71:	O.C.	,O'	N/A
4.8	Roundabout Final Design Analysis	LŠ	ार्गः	ő	Ö.	N/A
4.9	Cross Section Design Files	LS	*	Ö	0	
4.10	Traffic Control Analysis:	LS	4	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	Es	– ক	<u>0</u> <	Ö	N/A:
4.14	Quantities	LS	*1.	0	Ò	
4:15	Cost Estimate	LS	નાં .	0	(Ö.	
4.16	Technical Special Provisions	LS	7	02	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
- V. Peter AV	<b>阿罗罗斯的</b> 及阿里巴斯克			ical Subtotal	88	
4.18	Field Reviews	LS	/4°	8	8	
4.19	Protection of Existing Structures	LS	. 71	.0	.io	N/A
4.20	Technical Meetings	ES	7	18	18	

Task No.	lask	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	
H 10	Road	iway Analys	is Nontechn	ical Subtotal	36	property that is a property of the property of the property of the property of the property of
4.24	Coordination	LS:	%	3%	4	
		4.	. Roadway A	nalysis 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:	.00	: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	D	0	0		D
Subtotal Technical Meetings	A PLAN			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	

Task			De	esign and Pro	duction Staffhour	S					
No.	Task	Units	No. of Units	Hours per Unit	No. of Sheets	Total			Comments		
	General Drawings				[1] 计图 西湖						
9.1	Key Sheet and Index of Drawings	Sheet	D <sub>S</sub>	- ( <b>Q</b> )	Ö	,Ò					
9.2	Project Layout	Sheet	Ŏ	( <b>0</b> )	Ö	Ö.					
9.3	General Notes and Bid/Item Notes	Sheet	0-	O	.0	0					85
9.4	Miscellaneous Common Details	Sheet	0;	0	0	O:					
9,5	Incorporate Report of Core Borings	Sheet	02	0	.0	0					
9.6	Existing Bridge Plans	LS	1	.0		0:					
9.7	Assemble Plan Summary Boxes and Quantities	LS	a a	0		0:					and the second second
9.8	Cost Estimate	LS	1 1	₹ <b>0</b> ;		0)					
9,9	Technical/Special Provisions	LS	1	10		0			-		
	Structures - Summary and Miscellaneous Tas	ks and Drawing Subtota	s		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	Ö.	0-	.0:	0	o .	2 <b>0</b> 7	,O:	0.		
10-16	Bridge 2	0.		0.000							
10-16	Bridge 3	0					*	**			
10-16	Bridge 4	0									
10-16	Bridge 5	; <b>O</b> .									
10-16	Bridge 6	0									
10-16	Bridge 7	Ō.			4						
10-16	Bridge:8	0,			9	11 -30	*				
10-16	Bridge 9	.0.					k				

10-16.	Bridge 10	0								l'energi		
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			Com	ments			
9.10	Field Reviews	LS	1	0	0.							
9.11	Technical Meetings	LS	1	Ö	٥	Meetings are list	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 Nontech	nical Subtotal			3							
9.15	Coordination	LS	1	0	0							
9	9. Structures - Summary and Miscellaneous Tasks Nontechnical and Coor				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	44
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	
Total Meetings			Elabiratoria	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	N	
American	Richard Hunter	

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Concrete Box Culvert						
18.1	Concreté 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	io.	0	0	(0)	
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	D.	Ø.	. :0-	Ď.	
	Strain Poles		The least				
		Initial Config	0	0		.0	
18.5	Steel Strain Poles	EA Add'I Config	†D	Ó		.0:	
24.4		Initial Config	, D	0		.(0)	
18.6	Concrete Strain Poles	EA Add'I Config	0	. 0		·O;	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	. 0	(Or	0	######################################
18.8	Strain Pole Special Details Plan Sheets	Sheet;	0	0	O	ō.	
	Mast Arms						
18.9	Mast Arms:	EA Design	74	6		24%	
18.10	Mast Arms Data Table Plan Sheets	Sheet	f	4	3	4	
18,11	Mast Arm Special Details Plan Sheets	Sheet	.0	O,	.0.	-;0.	
	Overhead/Cantilever Sign Structures		- W			e is men	GIFTER HER STATE OF THE STATE O
18,12	Canillever Sign Structures	EA Design	0	0		.0	
	Overhead Span Sign Structures:	EA Design	0	0,		.0	
CATOONST		EA Design	0	Oliv		O	
18.15	Monotube Overhead Sign Structure	EA Design	D	OF-			WANTED TO THE PARTY OF THE PART
18.16	Bridge Mounted Signs (Attached to Superstr.)	EA Design:	¹D	D.		.0	
18.17	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	Ō	. 0.	· O·	D,	
18.1B	Dunithand and Chatlague Cine Dividures Canalal Datalle	Sheet	ō	. 0	.0:	::0	
	High Mast Lighting		SEM PRO		E. STUDIO		
18.19	Non-Standard High Mast Lighting Structures	EA Design	- 0	. 0		0	The second secon
18.20	High Mast Lighting Special Details Plan Sheets	Sheel	ō	0	0	; a	
Š.	Noise Barrier Walls (Ground Mount)	Legalita.					
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:	Sheel.	0	: -,0 ;	,iĎ:	Ď.	
18,25	Design of Noise Barrier Walls Covered by Standards	EA Design	0	0,		Ď	
18.26	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	(0)		D)	
18.27	Aesthelic Details	LŚ	4.	o.		0	
	Special Structures						
ive ni	Fender System	LS	3	Ö		D D	
18.28							

18.	Special Structures	Ļs	1	O .		ō	
18.	Other Structures	LS	1	0		0	Special Light Pole foundations (spread footing or smaller shatts)
283		18. Structur	es - Miscella	neous Total	<b>1</b> 5 5 6	28	

Representing	Print Name	Signature / Date
FDOT District	9 2 9	x = -
Consultant Name	* A	

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	0	. 10	Ö	"Ö	
20.2	Summary of Pay Items Including TRNS-Port Input		LS	1	o.	7973	.iD	
20.3	Tabulation of Quantities:		Sheet	74	. 0	j	.0	
20.4	General Notes/Pay Item Notes		Sheet	30	0	Ö.	.0	
20.5	Project Layout	14	Sheet	80	Q.	0	«D	
20.6	Plan Sheet	40	Sheet	8	1	.8:	8	
20.7	Typical Details		EA-	- <b>D</b> -	0		ĵD.	·
20,8	Guide Sign Worksheet(s)		EA	O.	0		.0,	
20.9	Traffic Monitoring Site		:EA	9 <b>0</b>	10		0	C I X
20.10	Cross Sections	1	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	ō		- :0	
	Signi	ng and Paveme	nt Marking	g Plans Techn	ical Subtotal	9	8	
20.14	Quality Assurance/Quality Control		LS	. %	6%		-0	
20.15	Supervision		LS	.%:	6%		· io	
		20. Signing	and Pav	ement Marking	Plans Total	9	8	

### ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: County:

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

North Port

Consultant Name; American Consulting Professionals; LLC

Consultant No.: enter consultants proj. number

Date: 1/26/2018

FPN:

FAP No.: Staff Classification	Total Staff Hours From	Project	SrEngineer	Project	Designer	Technician	Clerical	Staff Classi-	Estimator: Staff Classi-	SH	Salary	Average				
	"SH Summary -	Manager \$180.00	\$165.00	Engineer \$138.00	\$96.00	\$55.00	560 00	fication 7	fication 8	fication 9	fication 10	fication 11	fication 12	Ву	Cost By	Rate Per
I. Project General and Project Common Tasks	70-	0.	ים י	Ď.	. 0	.0	0	0	Ó	50,00	50,00	\$0,00	\$0,00	Activity	Activity	Task
. Roadway Analysis		n.	0	0	0	0	0.	0	0	0	0	0	a	0	\$0	#DIV/OI
. Roedway Plans	0	0.	D.	0	0	0	o.	0	D	0			Ö	D	50	#DIV/01
6a, Drainage Analysis		0	0	.0	'n	n	0		0		0	o.	0	.0	SO	#DIV/01
Sb. Drainage Plans	10.	.0	:0	p	0	0	0	, i	D				0	0.	50	#DIV/01
r. Utilities	ò.	0	0	· <b>p</b>	0	0.	o o	1 1	0	0	D			0,	SD	#DIV/OI
B. Environmental Permits, Compliance & Clearances	0	Ö	.0	.0	O.	-0	0"		. 0	0	0	0	0	0	SO	#DIV/01
). Structures - Misc. Tasks, Dwgs, Non-Tech.	-0"	0	- 0	O <sup>±</sup>	'n	::o: -	o'		0	0	0	u.		0.	50	#DIV/01
10. Structures - Bridge Development Report	0	0	- D-	0	. 0	0	0.	0.	0	0.	D D		Ó	0,	SO	#DIV/01:
11, Structures - Temporary Bridge	.0.	ā	n'	0	.0	0	0		n n	0	177		0	Ö.	so	#DIV/OI
12. Structures - Short Span Concrete Bridge	0.	Ø.	0.	.0.	0	.6	.0	o:	p.		σ	0	D	0	'so	#DJV/0]:
13. Structures - Medium Span Concrete Bridge	0	á	0.	~D	· D	0	.6	0.	o o	5	0	0	0	0	\$0	#DIV/0
14. Structures - Structural Steel Bridge	0	0.	50	0	0.	, p	a	6	D.			0	0	0.	\$0	#DIV/OI
15, Structures - Segmental Concrete Bridge	0	YO	· D.	×0'	10	'0	· O·		0	0	0	0	0	0	20	#DIV/01
16. Structures - Movable Span	0	0.	0'	.0.	0		0		0	0	Ó	0	0	.0	so	#DIV/01-
17. Structures - Relaining Walls	0	D.	"D.	0.	.0		0		0		0	· · ·	0	·0;	\$0.	#DIV/OI
18. Structures - Miscellaneous	0.	D.	D.	0	.0	0	0			0	0	0.	0	0.	\$D	#DIV/OL
19. Signing & Pavement Marking Analysis	0	۵.	0	0	0	0	a		D.	0	0	0	a	0:	50	#DIV/OI
20. Signing & Pavement Marking Plans	0.	0	0.	:0	0		a.		0	5	o,	0	0,	0.	SO.	#DIV/01
21. Signatization Analysis	··62.	-2	9	.u 6-	19	25	100		11-12		0	0	0	0	\$0	#DIV/O
22. Signalization Plans	20	4	7	2	-10	0 0	0		0	0	٥	Q.	0,	62	S5,884	\$84,90
23. Lighting Analysis	.48.	. A	12	7	27	0	0,		0	0	0	0	0	20	\$2,555	5127.75
24. Lighting Plans	23		a l	2	12		1		0	0	0	0	0	48	55,722	\$119.21
25. Landscape Architecture Analysis	0.	- D	, ,	.0	0.	1 420			0	0;	0	0	0	23	\$2,912	.\$126.61
26. Landscape Architecture Plans	0	ים ים	p	.0"		0	D.	0	Þ	0	٥	٥	0	.0.	\$0	#DIV/01
27, Survey (Field & Office Support)	0.	.D.	0.		- 0	0	0	0	0	0	٥	٥	0	0.	so	#DIV/OI
28, Photogrammetry		D.	0.	. 0.	(0)		Ü	0	D.	0	a	O	0	.0.	\$O	#DIVIOL
29. Mapping	0	to 15	1	- 0		10	0	0	0	0	0	0	0	D.	so	#DIV/01
30. Terrestrial Mobile LIDAR	,Ö,	g. 0	10"	0	0	0	0	0	D.	O	0	0	D,	O,	so	#DIV/01
31. Architecture Development	0.	0	0 .	0.	0	.0	. 0	0	0.	0	0	0	0	۵	50	#DJV/01
32. Noise Barriers Impact Design Assessment		0	Ď Ď	.0	.0	0	0	0	D.	0	ó	ō	0	, <b>D</b> ,	SO	#DIV/01
33. Intelligent Transportation Systems Analysis	"			::0	В		O.	0	D	0	6	0	0	. 0	so	#DIV/01
33. Intelligent Transportation Systems Analysis 34. Intelligent Transportation Systems Plans		0	0	.0	D.	.0	D	0	0	Ø.	0	٥	O	2.0	so	#DIV/OI
34. Intelligent i ransportation systems Plans 35. Geolechnical	0	ū	0	.0.	0	0	0	D	Ď	0	0	0	o	0	\$0	#DIV/OI
Total Staff Hours	153	5	36	17	68	25	2	0	. 0	D	0	0	0	0	50	#DIV/0
Total Staff Cost	133	\$900,00	\$5,840.DD	\$2,210.00	\$6,528.00	\$1,375.00	\$120,00	\$0.00	50,00	50,00	50,00	0	0	153		53,000

Notes:

\$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) 4-man crew da \$ \$0.00 Geotechnical Field and Lab Testing: \$0.00 \$17,073,00

SUBTOTAL ESTIMATED FEE: Optional Services GRAND TOTAL ESTIMATED FEET

\$0.00 \$17,073.00

FTEVA Price Blvd Staff Hours 2018 01 25\_SolfordSignalModify.xisx Fee Sheet - Sub

Page 7 of 1

1/26/2018 2:42 PM

<sup>1.</sup> This sheet to be used by Subconsultant to calculate its fee:

### ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: County:

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

North Port

Consultant Name: American Consulting Professionals, LLC Consultant No.: enter consultants proj. number

Date: 1/26/2018

FPN:

Staff Classification	Total Staff Hours From	Project	Sr Engineer	Project	Designer	Technician	Clerical	Staff Classi-	Staff Classi-	Staff Classi-	Staff Classi-	Staff Classi-	Estimator: Staff Classi-	FTE:	Salary	Average Rate Per
The second secon	SH Summary	Manager		Engineer	Samuel Street	arrest to the		fication 7	fication 8	fication 9	fication 10	fication 11	fication 12	Ву	Cost By	
B. Project General and Project Common Tasks	Firm*	. \$190.00	\$165,00°	\$130,00	\$95.00	\$55.00	\$50,00	\$0.00	00.02	50.00	50,00	\$0,00	\$0,00	Activity	Activity	Task
Roadway Analysis:	0	0	0	0	0	D	0	0	D	0	D	D	0	0	250	#DIV/OI
5. Roadway Plans		0	D ]		0	0	0.	0	0:	0.	0	0	0-	0	SD	#DIVIOL
Sa. Drainage Analysis		9	0	0	.0	· ·	0	D-	٥.	03	D	0.	0	.0	SD	1/DIV/01
6b, Drainage Plans	0.				0	:0	.0-	0"	0:	.0.	0	.0	0.	0	SD	#01V/01
7. Utilities	,0	0	D	.0	0	-O	0	Ö.	.0.	:0-	-0	0	.0.	0	.SD	#DIVIOI
3. Environmental Permits, Compliance & Clegrances	٠٥.	D	0	0	Ď.	.D	0.	:03	0,	.0.2	÷0;	.0	0	0	.50-	#DIV/01
Control of the Contro	0	0	D	O	0	D:	:0	0	10.	0	.0	0	О	D	SD	#DIVIO
3. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	D	.0	0	.0	.0.	٥	,o.	0.;	D	0.	0	Ü	0	ísó.	#DIV/0
0. Structures - Bridge Development Report	0	D	.0	O.	.0.	,Oju	10	. (0:	0	0.	0	0-	.0	0	so	#DIV/OL
1. Structures - Temporary Bridge	0:	Ď	. 0	0	0.	:0:	0.1	D.	D).	0.	.0	'p'	0	0	50.	#OIV/0
2. Structures - Short Span Concrete Bridge	. D	0	:0	0	٥.	.0-	.0	0	. 0	10	۰.0	:D:	0.	0	-50	#DIV/0!
3. Structures - Medium Span Concrete Bridge	- O:	Ò	0		D.	Ď.	10.	Ď.	D:	0	0	D.	D/	0	\$0,	#DIV/0!
4. Structures - Structural Steel Bridge	0.	D	. 0	0.	D:	Ö	o:	į Ö	(D)	.0.	·O3	D.	0.	٥	·\$0.	#DIV/0!
5. Structures - Segmental Concrete Bridge	.0	0	i .o	0.	0	`O.	0	D	D.	0	0	0	D'	'n	\$0	#DIV/0!
6. Structures - Movable Span	0.	0	.0	D	.0.	.0:	0	'05	· O :	D	0	D.	a.	0	SD:	#DIV/01
17. Structures - Retaining Walls	.D	0	D	0.	D:	.0.	0.	. 0	10.	0-	10	.0	:0	D	SD	#DIV/0!
8. Structures - Miscellaneous	D.	0	in in	0.	-0	0:	D	. 0	'D	0:	0	n	D	0	\$0	#DIV/O
9. Signing & Pavement Marking Analysis	'.O,	D .	,b	.0:	0	,o=	· b	0	·D	0.	. 0	(D)	:0:	0.	:\$0.	#DIV/0[
20. Signing & Pavement Marking Plans	Ö	Ď	'o	0	o.	0.	٠٥.	n'	-01	0.	(d-	D.	.0	0.	SD.	#DIV/O
21. Signalization Analysis	62	2	9	8,	10	25		10.	:0-	0	0	0	.0	52	\$5;884	
22, Signalization Plans	20	1	7.	2.	10	0	.0	0	.D	:0-	.0.	10:	.0			\$94.90
23. Lighting Analysis	48	4	12	7	27	:D-	.9	0	.0	0	0	D	07	20	52,555	\$127.75
24. Lighting Plans	23	4	8	21.	12	0	n's	10"	10	101	.07	Ď.	0.		\$5,722 \$2,912	\$119,21
25. Landscape Architecture Analysis	0	0	6	o:	10/	o.	70	0		10.	0.	10		23		\$126.61
26. Landscape Architecture Plans	40	0	0.	0	0	.0	0.	0	10	(0)	.o.,	0	.o	0	.50	#DIV/O
27, Survey (Field & Office Support)	0	D	0.	0	n n	n	0	, D	.0.	100		200	0	0	35D	#DIV/OI
28. Photogrammetry	-0	'n	0.	0	Di-	0	0	. 0	0	0.	:0:	10:	10-	0:	÷\$0	#DIV/OI
29. Mapping	0	n	0	o o	0	0	0:		.0.	1 (2)	0	.0	. 0	0.	SD	#DIV/OI
0. Теrrestrial Mobile LIDAR	0	Č	0	. 0	:0:	30.5	/O:		100 PM:	10:	0	0	0	ο.	/SD-	#DIV/01
31. Architecture Development	0.	,	0	in'	0	27.0		.0.	.0.	.0.	0.	Ö.	10:	0	50-	#DIVIO
12. Noise Barriers: Impact Design Assessment	.0		0.,		2	0	0	0	. 0	.0	.0,	. 0	0	0.	SO.	#DIV/0!
Intelligent Transportation Systems Analysis:		u	.0	0.	.0	0	:0:	0.	30	:0	0.	:0;	0.	0'	-50	#DIV/DI
	o .	0	0.	.0	0:	0	0	0	0	D	rD'	0.	.0	0.	"SO -	:#DIV/0!
34. Intelligent Transportation Systems Plans	D	0	.ó:	0.	0	O.	0.	0:	D <sub>1</sub>	.O <sup>2</sup>	io.	o.	.0	0:	50	#DIVID!
35, Geolechnical Total Staff Hours	153		0'	,0°	0	0	0	10"	0	0'	0	D	. O	:01	·so·	#DIVIO!
Total Staff Cost	753	\$900:00	36 \$5,940.00	17 \$2,210.00	\$6,528.00	\$1,375,00	\$120,00	0	0° \$0.00	:01	0	0	0	153		

Notes:

		11.000	Chock		\$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%				-80.00
SUBTOTAL ESTIMATED FEE	:					\$17,073.00
Survey (Field)	.0.	4-man crew da \$		/day		\$0.00
Geotechnical Field and Lab Te	sting			~		\$0.00
SUBTOTAL ESTIMATED FEE	:					\$17,073.00
Optional Services						\$0.00
GRAND TOTAL ESTIMATED	FFF.					\$17 073 00

<sup>1.</sup> This sheet to be used by Subconsultant to calculate its fee.

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

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	Pl	1	.46	. 6	Ped and Vehicle clearances
21.3	Access Management	:LS	1	0.	0	N/A.
21.4	System Timings	LS	-1	0.0	٥	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	Ö	N/A
	Overhead Street Name Sign Design	·EA	0	2	a	N/A
21.8	Pole Elevation Analysis	-LS	1	0	<b>40</b>	N/A.
21,9	Traffic Signal Operation Report	LS	9	0	.0	
21.10	Quantities	LS	- 1	6	-6	
21.11	Cost Estimate	ĽS	1	9	ė,	3 submittals
21.12	Technical Special Provisions	LS	1	0	0.	N/A·
21.13	Other Signalization Analysis	LS	4	6	6	TCP analysis
	Sign	alization Ana	alysis Techn	ical 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	"LIS	%	7%	3	×
21.17	Independent Peer Review	LS	.%	0%	0	
21.18	Supervision	LS	%	7%	3	
le el	Signalia	ation Analys	is Nontechn	ical Subtotal	17	

### Project Activity 21: Signalization Analysis

21.19 Coordination	LS	.%	3%	2	
	21. Sign	nalization A	nalysis Total	62	<b>有其物。其似即是是自然性的现在分词是是由于是是是是是</b>

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	. 0	0	*O.		0
FDOT Traffic Design	EA	30	:0	0		0
Power Company (service point coordination)	EA	0	2	.0		0
Maintaining Agency (cities, counties)	EA	2	. 2	4		0:-
Railroads	EA	10	0	.'0		10
Other Meetings -	(EA	11:	*3	3		iÖ:
Subtotal Technical Meetings			The Birth	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	entrous			7	Total Project Manager Meetings (carries to Tab 3)	0

Carries to 21:15

Carries to Tab 3

## Estimator. O.Rodrigues

Price Boulevard Widening from Sumter Blvd to Toledo Blade Blvd

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

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	10	· O-	Ö.	N/A
22.3	Tabulation of Quantities	10 100	Sheet	1	4	1	4	1
22.4	General Notes/Pay Item Notes		Sheet	1	4	1	·4:	
22.5	Plan Sheet		Sheet	1,	4	-1	4	N N
22.6	Interconnect Plans		Sheet	1	0	4	0	N/A
22.7	Traffic Monitoring Site	,	EA	0	0		0	N/A
22.B	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_	O.		·O-	N/A:-
22.12	Strain Pole Schedule		Pl	0	0		0	N/A.
22.13	TCP Signal (Temporary).		EA	1	0		*Q*	
22.14	Temporary Detection Sheet		Pl	1	4		4	
22.15	Utility Conflict Sheet:		Sheet	0	o	0	0	N/A
22.16	Interim Standards		LS	1	0		-0	N/A
		Si	gnalization	Plans Techni	ical Subtotal	6	18	
22.17	Quality Assurance/Quality Control		LS	%	7%		1	
22.18	Supervision	117.	LS	2%	7%		1	
			22	. Signalization	Plans Total	6	20	

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

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	1	0	o	N/A:
23.2	Lighting Design Analysis Report	Ls	4 .	9 <b>8</b>	8.	1 altenative (pole height, wattage; arm length)
23.3	Aeronautical Evaluation	LS	i	o o	O.	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	ĹS?	.1	-10	0.	N/A
23.6	Reference and Master Design Files	LS	ી	16	16	
23.7	Temporary Lighting	ĽS:	1	Ď.	o.	N/A
23.8	Design Documentation,	LS	1	<b>4</b> 1.	4	Docs
23.9	Quantities	LS:	1	2		া sheet x 2hrs/sheet
23.10	Cost Estimate	LS	.1	3	3.	3 submittals x 1hrs/submittal
23,11	Technical Special Provisions	£S'	1	, o	0	N/A:
23.12	Other Lighting Analysis	ĽS.	1	Ö	.0.	ΝΆ
		Lighting An	alysis Techn	ical Subtotal	35	
23.13	Field Reviews	LS	<b>31</b> 2	4.	4	1 reviews x 2 people @ 2hrs
23.14	Technical Meetings	ĽS:	A,	4	4	
23,15	Quality Assurance/Quality Control	LS/	%	7%	.2	
23.16	Independent Peer Review	LS	%	0%	O.	
23,17	Supervision-	Ls	%	57%	:2	
		Lighting Analys	is Nontechn	ical Subtotal	12	
23,18	Coordination	LS	%	3%	1	
		2:	3. Lighting A	nalysis 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	EΑ	٥	0	O.		0
FDOT Traffic Design	EA	0.	-0	0		0
Power Company (service point coordination)	EA.	a.	-4.	Ö		0
Maintaining Agency (cities, counties)	¿EA	1	4	4		0
Airport authority	EA	0	0	0.		0
FDEP Lighting (coast areas)	EΑ	0	-0.	.0.		٥
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				4	Subtotal Project Manager Meetings	0
Progress Meetings (if-required by FDOT)	EA	0	n	٥	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				\$500 <b>4</b> 0000	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	3.30	36
FTE.	Oliver Remy Rodrigues	

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet		Sheet	10	4	1 .	.4	-
24.2	Summary of Pay Items Including Designer Interface (TRNS-Port) Input		Sheet	0	o	Ö.	0	Ñ/A:
	Tabulation of Quantities		Sheet	, if	4	1 .	4	12hrs 1st sheet + 6/hrs/additional sheet
24.4	General Notes/Pay Item Notes		Sheet	1"	≅6,	4 :	6	
24.5	Pole Data: Legend and Criteria		Sheet	1.	4	, 4	4	16hrs 1st sheet + 10hrs/additional sheet
24.6	Service Point Details		Sheet	-1	-01	1	D	NA
24.7	Project Layout		Sheet	, ä	0-	0.	: o	AWA .
24.B	Plan Sheet		Sheet	17	3.	H	3.	Scale 1"= 40"
24.9	Special Details		Sheet	4.	1 <b>0</b> å	1	: Ó	N/A
24.10	Temporary Lighting Data and Details.		Sheet	<b>(0</b> )	D.	,O <sub>.</sub> +	0:	NA
24.11	Traffic Control Plan Sheets		Sheet	0	0	0	0	N/A
24.12	Interim Standards		LS	1	-10		0	: N/A
			Lighting	Plans Tech	nical Subtotal	7	21	
24.13	Quality Assurance/Quality Control		ĽŠ	%	7%		i	
24.14	Supervision		LS	%	7%		#	
				24. Lightir	g 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: County: FPN: FAP No.:

Price Boulevard Widening from Surntar Blvd to Toledo Blade Blvd - SA 2 for Granberty Signal North Port:

Consultant Name: American Consulting Professionals; LLC-Consultant No.: 5159774 Date: 1/30/2016

Staff Classification	Total Stalf Hours From "SH	Project Manager	Chief Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clerical	Sr. Surveyor	SH By	Salary Cost By	Optional :SH	Optional Salary Cost	Average Rate Per
	Summary -	5249.00	\$280.00	\$224.00	'\$188.00'	\$114.00	\$169,00	\$111.00	\$115,00	\$141.00	\$111.00	\$110,00	\$240.00	Activity	Activity'	By Activity	By Activity	Task
3. Project General and Project Common Tasks	8	5	0	0	1	1	D	1	0	0	0	0	D	В	\$1,658			\$207.25
3a. Post Design Services (Optional):	0	D	a	0	0	0	:0	0	0	0	.0	0	10.		S. Acc	0	50	#01V/0!
4. Roadway Analysis	107	11	o.	21	.33	21	21	°D	o o	0,	.0.	0	D:	107	519,590	(55)	137	S183.08
5. Roadway Plans :	. 0	0	D-	10:	D.	0	0	.0.	0	.0.	0	O.	.0:	0	so.		1 1	#D V/0!
6a. Drainage Analysis	0	D	Ó	it 0	0	Ó	io.	·O	ö	0	0	0	.0	0	so	į.	1 1	#DIV/0!
6b, Drainage Plans	0	o	0	. D	D	0	0	0.	0	. 0:	0	0	.0.	0	-50	l	1 1	#DIV/0!
7. Utilities	0	Ô	0	O.	-0.	0	10,	:0:	0	'0'	Ď	o'	n	n	:50		1 1	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	. 0	ø	D.	0"	0	0	0'	0	:0'	.0	0	0.	0	50		1	#DIA\07
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	3	0	1	4	1	D.	D'	D.	ö	D	0	o ·	0	3	\$592		1	\$230.67
10, Structures - Bridge Development Report	0	0	0	.0	, O.	0	:D	0 :	0	. 0	.0	0	0	0	\$0	1		#DIV/0!
11. Structures - Temporary Bridge	0	. 0	0	0'	0	0	. 0	0	0	Ď.	0	o'	0	n	50		1 1	#DIV/0!
12. Structures - Short Span Concrete Bridge:	0	D	0	.0.	0	0	0	.0.	0	D.	0	0	0	0	-50:	1		#OIV/0!
13, Structures - Medium Span Concrete Bridge	Ö	Ď	Ó	0	.01	0	0	Ö:	1 0	0	0:	ď	0	0	'sö.	1	1	#DIV/01
14. Structures - Structural Steel Bridge	D	D	0	0	0	0	0	0	0	·Di	0	0	0.	0	.\$0			#DIV/01
15. Structures - Segmental Concrete Bridge	D	D	0	. Di	-0	ď	0.	.0-	0	· 0'	0.	D	0.	Ď	-50-	1		3/D(V/0)
16, Structures - Movable Span	D	. D	0	0	0	0	(0)	. O.	0	. D	0	Ď.	10:	n	\$0		1	#DIV/OI
17. Structures - Retaining Walls	D	D	D	.0	(0)	0	10:	-Of	1 0	0:	.0.	D'	(0)		so'		1	#DIV/DI
18. Structures - Miscellaneous:	28	1	- 1	15:	8	3	9:	0	i c	0	.0.	Ď	0	28	\$5,240			\$187,14
19. Signing & Payement Marking Analysis	0	. 0	0	. /0:	.0.	0	-0:	, <b>0</b> 0	0	0.	0:	0	0	0	50		1 1	#DIV/OF
20, Signing & Pavement Marking Plans	0	0	a	1	2	3	1.	1	. 0	Ď.	0	0	0	8	51,222		1	\$152.75
21. Signalization Analysis	. 0	0	0	. 0	0	0	(0:	.0.	0	:0:	:07	D	· '0 .	0	'SO'		1 1	#DIV/DI
22. Signafization Plans	0	O	0	0	:0	Ó	0	0	0	0	0	Ď	.0	D D	50	200		#DIV/OI
23, Lighting Analysis	0	0	0	D	.0	٥	0	(D.	0	.0	0	b	0	0	So.	1		ADIANOI.
24. Lighting Plans	O	0	o	0	0	0	0.	O.	0	Ó	:0	0	0:	0	so		1	#DIV/DI
25, Landscape Architecture Analysis	D	.0	0	.0	10:	. 0	0	:0;	0	(0)	D.:	0	0	n	:50		1	:#DIVIDI
26. Landscape Architecture Plans	0	Ö	ò	VD:	0	ď	0.	o.	0	D.	D	o o	0	D	so		1	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	20.	(D'	o	0	.0:	0	AD)	D	0	V D'	0	SO:		1	#DIV/0!
25. Photogrammetry	0	0	0	0:	:0:	o		o.	0	4·D'	0	0	1.0.	0	SO.			#DIV/D!
29. Mapping	0	0	0	; D.	:0:	0	.0.	0	0	D.	.0	0	.0	0	(50.			#DIV/01
30. Terrestrial Mobile-LIDAR	0	Ó	0	. D.	0	o	0 1	0		10	.D	0	0	0	- 50		1	#D V/0!
31. Architecture Development	0	0	0	D	0	0	- D	0:	0	D	.0		D	0	-50			#DIV/D!
32. Noise Barriers Impact Design Assessment	0	. 0	Ó	. 0	0	a	- 0	Ó	i o	0	70	0	00	0	SO			#DIV/D!
33. Intelligent Transportation Systems Analysis	0	D	0	:0'	0-	0	-0	0	0	.0	.0	0	0	0	50	1		#DIV/0!
34, Intelligent Transportation Systems Plans	Ö	D	o	10	0	0	-0	0	0	-0	0.	0	0		.50			#DIV/0!
35, Geotechinical	0	D .	0	D	Di-	0	0	0	n	0	0:-	0	0	0	50			#DIV/0!
Total Staff Hours	154	17	2	29	45	-128	31	12	0	0	0:	0	0	154	-30	-0	<del>                                     </del>	#DIV/01
Total Staff Cost		\$4,233,00	\$560.00	S6,496.00	\$8,460.00	\$3,192,00	\$5,239,00	\$222,00	\$0,00	\$0.00	\$0.00	\$0,00	\$0.00	154	\$28,402.00	-	\$0.00	\$184:43

Survey Field Days by Subconsultant 4 - Person Crew.

	Check = \$28,402.00	
SALARY RELATED COSTS:		\$28,402.00
OVERHEAD:	096	50.00
OPERATING MARGIN:	.0%.	30.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%* 4-man srew	\$0.00
Survey (Field - If by Prime);	O days (b) S - / day	\$0.00
SUBTOTAL ESTIMATED FEE (LUMP'S		\$28,402.00
Subconsultant: Strayer,	(Survey)	\$0,00
Subconsultant: Universal	(Geolechnical)	50,00
Subconsultant: Cumbey & Fair	(SUE locates and designates)	\$0,00
Subconsultant: Wellet	(Utilly dasign)	50,00
Subconsultant: IF Rooks	(LAMP)	\$0.00
Subconsultant: FTE	(Signals and Lighting)	\$12,074.00
Subconsultant: FL Acquistion & Apprais	al (Appraisals)	\$0,00
SUBTOTAL ESTIMATED FEE (LUMP S	UM):	\$45,475,00
Geotechnical Field and Lab Testing		\$9.00
SUBTOTAL ESTIMATED FEE (LUMP'S	UM):	\$45,475.00
TEM Services Weiler for Post Design S	Services	\$0.00
T&M Services FL Acquistion & Appreis	al (Acquisitions)	\$0,00
T&M Services American for Post Desig	n Services	\$0.00
T&M Services American Government 5	Services Corporation for Title Searches	\$0.00
SUBTOTAL ESTIMATED FEE (TIME A	ND MATERIALS, NOT TO EXCEED):	\$0,00
GRAND TOTAL ESTIMATED FEE:		\$45,475.00

<sup>:</sup> Notes;
13. This sheet to be used by Prime Consultant to calculate the Grand Total fee...

<sup>2.</sup> Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

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	đ	0	0	
3.1.4	Median Modification Letters	LS	7	0	0	
3.1.5	Driveway Modification Letters	Ls	1	0	0.	a a
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	4	0	0	
3.1.8	PowerPoint Presentation	LS	1	.03	0	
3,1,9	Public Meeting Preparations	LS	1	Ö	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 Pu	blic Involven	ent 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	D	
3.8	Post Design Services	LS	1	.O.s	- 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	Ö	0					
3.12	Other Project General Tasks	LS	10	18	8	Coordination with City Staff				
	3. Project Comm	non and Pro	oject 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	. 10.	Included in Salford
Drafnage	EA	, O:	6.	10	Included in Salford,
Utilities	EA:	·O,	10:	10:	
Environmental	EA	.0	6	(0	Included in Salford
Structures	EA	.0:	.0,	.0:	
Signing & Pavement Marking	EA:	,D,	(O)	.0	
Signalization:	EA	0.	Ο.	.0.	
Lighting	EA	(0.	, D,	0	
Landscape Architecture	EA	0	<u>;0</u> ;	.0.	
Survey	EA	0	Ū.	0	
Photogrammetry	EA	.0.	0.	O.	
ROW & Mapping	EA	0	(0)	0	v v
Terrestrial Mobile LiDAR	EA	Ö	0	0	N. Carlotte and Ca
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	·EA	0	0	0	
Geotechnical	EA	Ö	.0	'Ó	
Progress Meetings	EA	:0	10	:0	
Phase Reviews	5EAC	0.	. 0	0.	
Field Reviews	EA	10%	(0)	io.	
Total Project Manager Meetings		0	Same?	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		

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	4.	0	0	N/A
4.4	Cross-Slope Correction	LS	1	0	0	N/A
4.5	Horizontal /Vertical Master Design Files	LS	ৰ	0	Q	
4.6	Access Management	LS.	1	0	Ó	
4.7	Roundabout Evaluation.	LS	1	0	D.	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	7	0	0	N/A;
4,13	Design Report	LS	4	0	0	N/A
4.14	Quantities	LS.	1	0	0	
4.15	Cost Estimate	LS	at .	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.
			T	ical Subtotal		
4.18	Field Reviews	LŚ	7.	В	8	
4.19	Protection of Existing Structures	LS	4	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	ĽS	-%	6%	5	
4.22	Independent Peer Review	ĽS	. %	0%	-0	
4.23	Supervision	LS	%	6%	<b></b> 55	
EG-MA	Roa	dway Analys	is Nontechn	ical Subtotal	24	
4.24	Coordination	LS	%	3%	3	
		4	. Roadway A	nalysis Total	107	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	:6:	0	.0		0
Pavement	EA	0	Ö	0		.0.
Access Management	EĂ.	0.	Ó	ō		,D/
15% Line and Grade	EA	, st.	0. <b>6</b> 2	·'6	yes	1
Driveways	EA	, D	*O	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:	' <u>0</u> "	0 }		0
Subtotal Technical Meetings	Line in the same		a) (F 10 12 A	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	(Actes)
Phase Review Meetings	EA	- 0	100	Ö.	PM attendance at Phase Review Meetings is manually entered on General Task 3	:m'm
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	

Task			De	esign and Proc	duction Staffhour	'S					No. of the last
No.	Task	Units	No. of Units	Hours per Unit	No. of Sheets	Total			Comments		
	General Drawings										
9.1	Key Sheet and Index of Drawings	Sheet	0	0	0	Ö					
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	O <sub>6</sub>	0	. 0	0	0.77670000				
9,5	Incorporate Report of Core Borings	Sheet.	0	0	0	0					
9:6	Existing Bridge Plans	LS	1	°O!		0		49			
9.7	Assemble Plan Summary Boxes and Quantities	LS	ď	0		Ö					
9.8	Cost Estimate	LS	1	0		04					
9.9	Technical Special Provisions	LS	1	0		<b>O</b> :					
	Structures - Summary and Miscellaneous Tas	ks 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,	10.	O	0.	10-	0	. 0		
10-16	Bridge 2	0			1						
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		ACCUMULAÇÃO DO CITA SANS							
10-16	Bridge 8	0									
10-16	Bridge 9	0.									

10-16	Bridge 10	Ö.						2			
17	Retaining Walls	:jó:								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			Com	ments		
9.10	Field Reviews	LS	1	0	.0.						
9.11	Technical Meetings	1S	. 1	0	÷Ó.	Meetings are lis	sted below				
9.12	Quality Assurance/Quality Control	LS	%	7%	2	0					
9.13	Independent Peer Review	LS.	74;	0.	.0:				4		
9.14	Supervision	TS:	%	5%	'n	8					- Fr (C) - (A) - (B) - (B
	Structures Nontech	nical Subtotal			3						
9.15	Coordination	Ls:	4.	ő	0						
	8. Structures - Summary and Miscellaneous Tasks Nontechnical and Coor				3			iene Chie			

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		O
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.

#### Estimator:

Representing	Print Name	Signature / Date
FDOT District		4
American	Richard Hunter	*

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
15	Concrete Box Culvert						
18.1	Concrete Box Culveris	EA	0	-0		0	7 St. 197
18,2	Concrete Box Culverts Extensions	EA Extension	0	0		0	
18,3	Concrete Box Culvert Data Table Plan Sheets	Sheet	0	0	0	Q	
15.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	0	0	.0	0	
1	Strain Poles						
- Table 12	ACCUS TO SECUL	Initial Config	0	0		0	
18.5	Sjeel Strain Poles	EA Add'l Config	0	ū		ō	
		Initial Config	0	0	- constant	0	
18,6	Concrete Strain Poles	EA Add'l Config	-0	O		.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	a	
	Overhead/Cantilever Sign Structures		100	Salt entral Add	Land I	A STATE OF THE PERSON NAMED IN	
18.12	Cantilever Sign Structures	EA Design	0	-0		0	
18.13	Overhead Span Sign Structures	EA Design	0	0	Name of the last o	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	200		
18.16	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	Ω		0	
18.17	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	a	0	The same of the sa
18.18	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	ō:	0	
Dis	High Mast Lighting	RESERVE OF	-				
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.	
Jag	Noise Barrier Walls (Ground Mount)		Land	100		RED LINE	
18,21	Horizontal Wall Geometry,	EA Wall	0	0		0	
18,22	Vertical Wall Geometry	EA Wall	0	0	- 2	.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	Aesthelic Details	LS	1	0		a	
	Special Structures				Section 1	See 18 To the second	
18.28	Fender System	LS	1	0		0	
18.29	Fender System Access	Ls	1	0 .		0	

18.30	Special Structures	LS	1	٥		۵	
18.31	Other Structures	ĻS	1	a		0	Special Light Pole foundations (spread footing or smaller shafts)
50020	<u> Servici i Servici de la composició de la</u>	18. Structur	es - Miscella	neous Total	<b>企業(第28</b>	28	

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		The second secon

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	0	0	O.	0	
20.2	Summary of Pay Items Including TRNS-Port Input		LS	1	0		0	
20.3	Tabulation of Quantities		Sheet	1	0	1	σ	
20.4	General Notes/Pay Item Notes		Sheet	o	D	0	0	
20.5	Project Layout		Sheet	0	10.	D.	0	
20.6	Plan Sheet	40	Sheet	8.	1.	В	В	
20.7	Typical Details		EA.	0	10		. 0	
20.8	Guide Sign Worksheet(s)		EA"	0	٥		0	
20,9	Traffic Monitoring, Site		EA	0	0		D	
20,10	Cross Sections		EA.	0	. 0		Ď	
20.11	Special Service Point Details		EA	10	0		0	
20.12	Special Details		LS	1	0		0	
20.13	Interim Standards		LS	1	0		0	
	Signin	g and Paveme	nt Marking	Plans Techn	ical Subtotal	9	8	
20.14	Quality Assurance/Quality Control		LS	%	6%		٥	
20.15	Supervision		LS	%	6%		D	8
		20. Signing	and Pave	ement 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

Consultant Name: American Consulting Professionals, LLC
Consultant No.: enter consultants proj. number

Date: 1/30/2018

FPN:

Staff Classification	Total Staff	Project	Sr Engineer	Project	//www.anglet	Technician	(Allestone)	Staff Classi-		FTE SH	Salary	A712-1-1-1				
Stati Classification	Hours From "SH Summary	Manager		Engineer	Designer.		Clerical	fication 7	fication 8	fication 9	fication 10	fication 11	fication 12	By	Cost By	Average Rate Per
the second secon	Flm"	\$180,00	\$165,00	\$130.00	\$95.00	\$55,00	\$60.00	. \$0,00	\$0.00	\$0,00	\$0.00	50.00	\$0.00	Activity	Activity	Task
Project General and Project Common Tasks	0	D	0	0	0	D	0	0	0	0	0	0	0	0	so	#DIV/0!
. Roadway Analysis	a	۵	:0%	0	b:	0.	D	'0'	0	0	, D-	0-	.D.	0:	SO.	#DIV/0!
5. Roadway Plans	0:	D	.0	0	,0	103	0	0	0,	.0	·o.	:0	-0	0	\$0.	#DIV/0!
Sa. Drainage Analysis	0	0	0	'O.'	;o*	0,	.0	0	D,	0.	0	: D.	0:	0:	/SO	#D(V/0!
5b. Drainage Plans	0	D	. 0.	0,4	D.	0	0	0:	D.	0	-0-	0	0	D	SD.	#DIVIO!
7. Utilities	0	0	٥.	0 .	0	03	ó	0	.D.	Ď.	0.	D.	.ó.	D	SD	#/DIV/0!
B. Environmental Permits, Compilance & Clearances	0	0	ò.	'à	:0	lo:	0.	10	(D)	.0	ö-	.0	0.	0	50	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	. 0	0	.b	0	o.	0	×0. s	. 0	D-	:0	0	D:	0.	0	30	#DIV/0!
10. Structures - Bridge Development Report	0	'o	.07	0	(0)	0	0.	.0	(0)	0	.0	D.	0.	0.	50:	#DIV/01
11. Structures - Temporary Bridge	0	0	D:	:D:	0	0	i D	0	ED:	0	0	D	0	0.	\$0	#DIV/0
12. Structures - Short Span Concrete Bridge	0	0	b	0	D:	D .	0.	(0)	0	0	0	i o	.0	·D.	\$0	#DIV/0
13. Structures - Medium Span Concrete Bridge	O	0	O.		D.	0	50	o.	Ď.	0	.00	o	o	0	30	#DIV/0I
14. Structures - Structural Steel Bridge:	0	ď	D.	.0	Ó	07	ο:	6.	n	70	'n	0	0	0	\$0	
15. Structures - Segmental Concrete Bridge:	0	D	.0	:01		D:	:0	, D	.0	(0)	202	0.	0	0		#DIV/OI
16. Structures - Movable Span	0	D-	0		n	0	-0	0	0		0	0.	0	0	50	,#DIVIDI
17. Structures - Relaining Walls	0	D-	,07	.0.	·D:	10.	Ó	0	0.	90:	0	.0	p.	.0.	·\$0	#DIV/0
18. Structures - Miscellaneous	D D	0.	:01	:0.	D:	D	0		/6	0.	0	.0	D.	0.	50	#DIV/0!
19. Signing & Pavement Marking Analysis	D.	01	.0.	0	. 0	0	. 40		10	50.		8 *S	72	250	SO	#DIV/0!
20, Signing & Pavement Marking Plans	D	.0	D:	0	0	0	.0		i u,	(O)	:0:	· D-	×0*	/D:	\$0.	#DIV/0!
21. Signalization Analysis:	62	2	9	6	19	25	.d-	100	. O.	200	0	0-	:0;	0.	so	#DIVID!
22. Signalization Plans	20	- 1	7	2	10	107		1 0	. 6.	0	/0	0.	0:	62	\$5,884	594.90
23. Lighling Analysis	48		12	7	27.	0.	9.	-0.	.0.	0	(0)	D	:0:	20	\$2,555	\$127.75
24. Lighling Plans	23	4	6	2.	12	10	0.	0	50	0	:0	10	0,	48	\$5,722	\$119,21
25, Landscape Architecture Analysis	.20	0		.0:	12	,ō,			0.	0	0.	. о,	.0	23	\$2,912	\$125,61
26. Landscape Architecture Plans.		0		. 0	0:		o.	0	€9	0		AD:	₹0.	.O	.50:	#DIV/01
27. Survey (Field & Office Support)	5	0	0.	0	2000	0.	0	0	0	0	0	D:	0.	.0	80.	#DIVIOI
28. Photogrammetry		Ď.	Ď.	0	70 0	10.	. O	0	0	5	.0	1,03	10	.0.	50	#DIV/OI
29. Mapping	,	:03	, b	0	(D)	100		10		:o-	.0.	`,D-	· O;	0	\$0.	#DIV/OI
30. Terrestrial Mobile LiDAR	0 .	8101		0.000	A0000	1	.D.		70:	:0:	70.	D.	0	.0	.50	#DIV/01
11. Architecture Development		'0 <sub>'</sub> ,	.0	0	.0	10.	.o.	-0	0	.0	.0.	- D	0	.0	SD.	#DIVIOI
32. Noise Barriers Impact Design Assessment:		.0	.D.	0	.0	>0.	2.5	. 0	0.	D	0	0.	0	-0-	.50.	#DIV/01
33. intelligent Transportation Systems Analysis	0 .		(D)	0.		.0.	.0	o.	· O:	0.	:0	1.0-	0	0	\$0	IO/VIOH:
	D D	.0		- 22	, D	, D	0	.0	.0-	0	٥,	0	יטי ן	0	.50	#DIVID!
24. Intelligent Transportation Systems Plans	1.00.7	0	0	.0	0	.0	0.	10	. D,	0	.0	0	0,	.0	so	#DIV/01
35. Geotechnical Total Staff Hours	0	. 0	(0)	.0	1 D:	.0	.0.	'0	· 0	.·O:	.0	0	0:	0.	so	#DIVI0!
Total Staff Cost	153	\$900.00	35,940,00	\$2,210,00	55,528,00	25	\$120.00	50.00	S0.00	0	0.	'0'	0	153		

Notes

AUST TANZE AN ALL CHANNE			Chack m	Part Part	317,073,00	
SALARY RELATED COSTS:						\$17,073.00
OVERHEAD:		0%				\$0.00
OPERATING MARGIN:		0%				\$0.00
FCCM (Facilities Capital Cost Money	1):-	0.00%				\$0,00
EXPENSES:		0.00%				50,00
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

<sup>1.</sup> This sheet to be used by Subconsultant to calculate its fee.

Estimator: O.Rodrigues:

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

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

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	1/2	6	6	Ped and Vehicle clearences
21.3	Access Management	LS	1	Q.	0	N/A
21.4	System Timfings	LS	1	0	0	N/A
21.5	Reference and Master Signalization Design File	PI	1	16	16	Cranberry Intersection
	Reference and Master Interconnect Communication Design File	L.S	1	01	0	N/A:
21.7	Overhead Street Name Sign Design	EA	0	2	0	N/A:
21.8	Pole Elevation Analysis	LS	1	o	0	N/A:
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Quantitles	LS.	1	.6-	6	
21.11	Cost Estimate	LS	1	9	9	3 submittals
21.12	Technical Special Provisions	LS	1	0	O	N/A
21.13	Other Signalization Analysis	LS.	1	6	-6	TCP analysis
	Sign	alization Ana	lysis Techni	ical Subtotal	43	NAME AND PARTY OF THE PARTY OF
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	
	Signaliz	ation Analysi	is Nontechn	ical Subtotal	17	

# Project Activity 21: Signalization Analysis

21.19 Coordination	ĽS	%	3%	2.	
	21, Sigr	alization An	alysis 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.		10
FDOT Traffic Design	EA	0	Ő,	.0		0
Power Company (service point coordination).	EA	0	2	Ö	A CONTRACTOR OF THE PROPERTY O	ď
Maintaining Agency (cities, counties)	EA.	2	2	4		0
Railroads	EA.	Ö	0	O.		(0)
Other Meetings -	.EA	197	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	O.	PM attendance at Phase Review Meetings is manually entered on General Task 3	388
Total Meetings		A SALAR		7	Total Project Manager Meetings (carries to Tab 3)	0

Carries to 21,15

# 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	

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	Ŏ.	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	Q.		.0	N/Ā
22.12	Strain Pole Schedule		PI	0	D:		0	N/A
22.13	TCP Signal (Temporary)		EA	1	0		0	
22.14	Temporary Detection Sheet	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Pľ	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
18		Si	gnalization	Plans Techn	ical Subtotal	6	18	
22.17	Quality Assurance/Quality Control		LS	%	7%		1	*
22.18	Supervision		ĻS	·%.	7%		1	
-35			22	. Signalization	Plans Total	6	20	

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

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	ão.	:0:	, N/A
23.4	Voltage Drop Calculations	LS	1:	2.	:2	1 clircuit x 2hrs/circuit x 1 load centers
23.5	FDEP Coordination and Report	LS	. <b>1</b> :	0	Ó,	N/A
23.6	Reference and Master Design Files	ĽS;	4	16	16	Cranberry intersection
23,7	Temporary Lighting	LS	-4	0	"Ö.	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	ĽS	~1	3	. 3	3 submittats x 1hrs/submittat
23.11	Technical Special Provisions	LS	. 1	0	Ö	N/A
23.12	Other Lighting Analysis	LS	1	0	:0	NA
1		Lighting An	alysis Techn	ical Subtotal	35	
23.13	Field Reviews	us	M.	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%,	1:0	
23.17	Supervision	LS	%	7%	2	
		Lighting Analys	is Nontechn	ical Subtotal	12	
23.18	Coordination	ES	%	3%	1	
112		23	Lighting A	nalysis Total	48	1 10 10 10 10 10 10 10 10 10 10 10 10 10

## 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	EΑ	Ð	O	,Q:		D
Power Company (service point coordination)	EA	0	4	0		0
Maintaining Agency (cities, counties)	EA	1.	4	4		0
Airport authority	ĒΑ	D	Ö	۵		0
FDEP Lighting (coast areas)	ĒΑ	O	0	0		0
Other Meetings:	EA	0	0	0		O.
Subtotal Technical Meetings				4	Subtotal Project Manager Meetings	0
Progress Meetings (if required by FDOT)	EA:	0	-6	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			N. S. C. S.	4	Total Project Manager Meetings (carries to Tab 3)	0

Corney to 23.14

Carries to Tob 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
le e	FDOT District		200
¥2	FTE	Oliver Remy Rodrigues	A STATE OF THE STA

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	, <b>0</b> ,1	Ö	D:	.0.	NA
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	15	6	-1-	6	3
24.5	Pole Data, Legend and Criteria.		Sheet	17.	4;	ા	4	16hrs 1st sheet +:10hrs/additional sheet
24.6	Service Point Details		Sheet	1	ĵ <u>o</u>	-1	0	N/A
24.7	Project Layout	9	Sheet	√0.	0	,D	.0.:	N/A
24.8	Plan Sheet		Sheet	1	3	1	. á.	Scale 1" = 40". Cranberry Intersection
24.9	Special Details.		Sheet	1	<b>O</b>	1	,o.	N/A
24.10	Temporary Lighting Data and Details:		Sheet	0	(0)	:0	(Ö)	NA
24.11	Traffic Control Plan Sheets		Sheet	10.	(0)	0	Ō	NA
24.12	Interim Standards.		ĽS.	-1	0		0.	N/A
			Lighting I	Plans Techi	nical Subtotal	7	21	
24.13	Quality Assurance/Quality Control		ĹS	19%	7%		া.	
24.14	Supervision:		LS.	:%	7%		1	
gila.		Fig. (Sign &)	THE RESIDEN	24. Lightin	g 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; County: FPN: FAP No.: Price Bouleverd Widening from Sumter Blvd to Toledo Blade Blvd - SA 2 for Chamberlain Signal North Port Consultant Name: American Consulting Professionals, LLC-Consultant No.: 5159774

Date: 1/30/2018 Estimator: Ryan Forres

Total Staff Project Manager Project Engineer Landscape Landscape SH Optional Optional Staff Classification Average: Chief Eng. Sr. Engineer Eng. Intern Sr. Designer Designer Env. Scientist Clerical Sr. Surveyor Hours From Architect Technician By. SH Cost By Salary Cost Rate Pet HSH. \$249.00 \$280.00 \$224,00 \$188,00 \$114.00 \$169.00 \$111.00 \$115.00 \$141,00 \$111.00 \$118.00 \$240,00 Activity Activity By Activity By Activity Task 3. Project General and Project Common Tasks 0 \$1,65B \$207.25 3a. Post Design Services (Optional) 0 :0 .D. D 0 .0. 0 0 0 .0, 0 50 #IDIV/OI 4. Roadway Analysis 107 11. 21 33 21 21 D Ö. -0 0 0 107 519,590 \$183,08 5. Roadway Plans! .0 .0 0 0. .0: 0 0 O 0 10. D . 0 :50 #DIV/O 6a. Drainage Analysis 0 D. O 0. O. 0 0 -0! so 0 #DIVIDI 6b. Drainage Plans 0 D. 40 ·D 0 0 0. 0 -50 #DIV/OI 7. Utilities 0 0 0 0 O. D .0 .0 D 0 50 #DIVIO 8. Environmental Permits, Compliance & Clearances n 0 D 0 0 0 ..0 D D 0 \$0. #DIVA 9. Structures - Misc. Tasks, Dwgs, Non-Tech. :01 9: .0 0 .0 0 \$692 \$230,67 10, Structures - Bridge Development Report 0 .0 n n n: 0 0 .0. \$0 #DIV/OI 11. Structures - Temporary Bridge 0 0 0 0 . 0 0 Ö 0 D. SO 0 #DIVADI 12, Structures - Short Span Concrete Bridge D 0 0. .0 -0 D :50 #DIVID! 13. Structures - Medium Span Concrete Bridge 0 D. a 0 0 Ď. 0 D -50 #DIVAL 14. Structures - Structural Steel Bridge O 0 0 0 0. 0 0 0. 0 D n .50 ומעות 15, Structures - Segmental Concrete Bridge 0 D. Ö Ö 0 D 0 n 0 D SÓ #DIV/O! 16. Structures - Movable Span D :0. 0 .0 :0 0. D. .0 .0 -0. SO #DIV/0! 17. Structures - Retaining Walls 10-0 ò 0 0 .0 . 0 0 D O D SO SED IVINE 18. Structures - Miscellaneous 8 9. n -0 0 D. \$5,240 .0 28 \$187.14 19. Signing & Pavement Marking Analysis 0 0 0 D. O D D 0.0 0, 0 O 0 SO #D|V/0! 20, Signing & Pavement Marking Plans
21, Signalization Analysis 0. 2 1 0. Ď. \$1,222 B--\$152.75 0 -0. 0: SO. #DIV/DI 22. Signalization Plans 0 0.. 0 0 ō. 0 :D Ö 0 .0 D : SO #DIV/0! 23, Lighling Analysis 0 'D. 0 D 0 0 :0 0 D. 0 0 0. \$0 #DIV/D! O 24. Lighting Plans: 01 :0 SO b D #DIV/O! 25. Landscape Architecture Analysis 0 p. 0. 0 D. 10 D' D 0 .0 D. 0 0 "\$0 #DIV/DI 28. Landscape Architecture Plans O o 0 O D. 0 0. 0 0 \$0 #DIV/0! 27. Survey (Field & Office Support) 0 :0 0 10 :0. #DIV/OI 0 'n. . 50 28, Phologrammetry O :0 .0 ò D. D. 0 ď .0. 0 -50 #DIVIO! 29. Mapping 0 .0 0 0 0: 0 0 0 .0. ,30 -AIDIVIO 30, Terrestrial Mobile LiDAR 0 .0. 30 #DIVID! 31. Architecture Development D 0 0 D. .0 n 0 0 п 0: 0. \$0 #DIV/0! Noise Barriers Impact Design Assessment
 Intelligent Transportation Systems Analysis:
 Intelligent Transportation Systems Plans; 404 0 0 0 D 0 0 -50 - 0 0 #DIV/01 0: 0 0 0 0 0. 50 #DIVIO! 0 -0 D O n 0 \$0 #DIV/0! 35. Geotechnical IDIVION

\$222,00

\$0.00

50.00

Cum inic Histor
SULVEY LIBIG
Survey Field 4 - Person C

. 31

28

Notes:

154

17

Total Staff Hours

Total Staff Cost

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;

29

45

\$560.00 \$6,496.00 \$8,460.00 \$3,192.00 \$5,239,00

		Check = \$28,402.00	
SALARY RELATED COSTS:			\$28,402.00
OVERHEAD:	0%		\$0,00
OPERATING MARGIN:	0%		\$0.00
FCCM (Facililles Capital Cost Money):	0.00%		50,00
EXPENSES:	0.00%		\$0,00
Survey (Field - If by Prime)	4-man crew days @	* **	SO.DD
The state of the s		5 / day.	400
SUBTOTAL ESTIMATED FEE (LUMP	100103		\$28,402.00
Subconsullant: Strayer	(Survey)		50,00
Subconsultant: Universal	(Geotechnic	al)	\$0.00
Subconsultant: Cumboy & Fair	(SUE locate:	s and designates).	50,00
Subconsultant: Weller	(Utility design	1)	50.00
Subconsultant IF Rooks	(LAMP)		\$0.00
Subconsultant: FTE:	(Sighals and	Lighting)	\$47,072.00
Subconsultant: FL Acquistion & Appra	(Appraisals)		\$0.00
SUBTOTAL ESTIMATED FEE (LUMP	SUM):		\$45,475.00
Geotechnical Field and Lab Testing			50.00
SUBTOTAL ESTIMATED FEE (LUMP	SUM):		\$45,475,00
T&M Services Weller for Post Design	n Services		\$0,00
T&M Services FL Acquistion & Appra	aisal (Acquisitions	):.	50,00
T&M Services American for Post De	sign Services	597 	50.CC
T&M Services American Governmen	I Services Corporation (	or Title Searches	50.00
SUBTOTAL ESTIMATED FEE (TIME	AND MATERIALS, NO	TTO EXCEED):	\$0,00
GRAND TOTAL ESTIMATED FEE:			\$45,475.00

154

0

20:00

0

50,00

\$0,00

5184.43

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

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	ĻS	1	0	0	
3.1.3	Prepare Mailing Lists	LS	1	0	0	
3.1.4	Median Modification Letters	LS	đ.	0	0	
3.1.5	Driveway Modification Letters	LS	31:	0	0	
3.1.6	Newsletters	LS	đ	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	11.	.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 Subto				
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	4	.0	Ō	
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	01	0	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	a	0	·
3.12	Other Project General Tasks	LS	1	8	8	Coordination with City Staff
100803 Japan	3. Project Com	manand Dra	loct Conoral	Tacke Total	distriction success	estamental manufacturation of the state of t

3.6 Elst of Project Manager Meetings	Units	No of Units	Hours/Unit	Total Hours	/Comments
Roadway Analysis	EΑ	0	6		Included in Salford
Drainage	ĒA	٥	6	0	Included in Salford
Utilities	ĒA	0	0	٥	
Environmental	EA	0	6	٥	Included in Salford
Structures	EA	0	Ð	۵	
Signing & Pavement Marking	EA	0	D	0	
Signalization	EA	Q	0	Ö	
Lighting	EA	0	0	0	
Landscape Architecture	EA	D	0	0	
Survey	EA	0	0	0	
Photogrammetry	ËΑ	0	0	۵	
ROW & Mapping	EA	D	0	0	
Terrestrial Mobile LiDAR	ĘΑ	0	0	0	
Architecture	EA	0	0	D	
Noise Barriers	EA	0	D	O	
ITS Analysis	EĄ	0	0	0	
Geotechnical	EA	۵	0	0	
Progress Meetings	EA	0	0	0	
Phase Reviews	ĒA	0	Ö	0	
Field Reviews	EΑ	O	Ò	0	
Total Project Manager Meetings		Ö		Ď	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		

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	LŚ	1	0	0	N/A
4.3	Pavement Design Package	LS	1	0	0,	N/A
4.4	Cross-Slope Correction	LS	-1.	40	0	N/A
4.5	Horizontal /Vertical Master Design Files	LS	1	0	Ď.	
4.6	Access Management	LS	1	0	0	
4.7	Roundabout Evaluation	LS	4	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	4	0	0	N/A
4.12	Design Variations and Exceptions	Ls	1	0	0	N/A
4.113	Design Report	LS	1	٥ز	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.
				ical Subtotal	80	
4.18	Field Reviews	LS	4.	8	8	
4.19	Protection of Existing Structures	LS	<b>4</b>	0	ō.	N/A
4.20	Technical Meetings	LS	nd.	6	6.	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.21	Quality Assurance/Quality Control	ĔŖ.	%	6%	5.	
4.22	Independent Peer Review	LS	%	0%	O.	
4.23	Supervision	LS	%.	6%	5	
	Road	dway Analys	is Nontechn	ical Subtotal	24	
4.24	Coordination	LS	%	3%	3	
		4	. Roadway A	nalysis Total	107	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	O':		.0
Pavement	EA	0	10	0		0
Access Management	EA	Ö	16	0		0
15% Line and Grade	EA	1	6	6	yes	To
Driveways	EA	0	0	0.		0
Local Governments (cities, counties, MPO)	EA	Ó	±6%	Ö	ÿes.	1
Work Zone Traffic Control	EA	0	6	'O'	.ýeś	0.
30/60/90/100% Comment Review Meetings	EA	003	0	0.		0
Other Meetings	EA	0	2 <b>0</b> %.	(0)	41	0
Subtotal Technical Meetings			OF THE REAL PROPERTY.	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	22
Phase Review Meetings	:EA	0,7	2041	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	=3.41
Total Meetings			de la la comparta	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	

Task	Task	P TOTAL	De	esign and Proc	duction Staffhour	5					
No.		Units	No. of Units	Hours per Unit	No. of Sheets	Total	Comments				
143	General Drawings										
9.1	Key Sheet and Index of Drawings	Sheet	0	0	D	0					
9,2	Project Layout	Sheet	0	0	0	0		200000000000000000000000000000000000000	1.0000000000000000000000000000000000000	-	
9.3	General Notes and Bid Item Notes	Sheet	٥	0	.0	0					
9.4	Miscellaneous Common Details	Sheet	0	0	D	0			West Sea July 1		
9.5	Incorporate Report of Core Borings	Sheet	0	0	.0	0.5					
9.6	Existing Bridge Plans	LS	3	0		0					
9.7	Assemble Plan Summary Boxes and Quantities	LS	1	0		O:					
9.8	Cost Estimate	LS	1	0		0.					
9.9	Technical Special Provisions	LS	٦	0		o					
	Structures - Summary and Miscellaneous Tas	ks and Drawings Subtotal			0	0		All III			
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	10	.0.	0.	0	0	o o		
10-16	Bridge 2	Ö					Caraman estat est				
10-16	Bridge 3	0			bi .						
10-16	Bridge 4	0									
10-16	Bridge 5	0									
10-16	Bridge 6	0									
10-16	Bridge:7	0				0.000		100	1.		
10-16	Bridge 8	O.									UT GETTER
10-16	Bridge 9	. 0									

10-16	Bridge 10	·Ō.									
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			Com	ments		
9,10	Field Reviews	Ls	3	0	J <b>Ö</b>						
9.11	Technical Meetings	LS	1	٥.	0	Meetings are lis	ted below				
9.12	Quality Assurance/Quality Control	LS;	%	7%	.2						
9.13	Independent Peer Review	LS	1	₫ <b>0</b> ,	0						
9.14	Supervision	LS	%	5%	1						
65_45	Structures Nontech	nical Subtotal			3						
9,15	Coordination	LŚ	1	0	O	×					
9	9. Structures - Summary and Miscellaneous Tasks Nontechnical and Cool				3						

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0		.01
90/100% Comment Review	EA.	0	- 0	0		1 <b>0</b> ?
Aesthetics Coordination	EA	0	0	. 0		02-
Regulatory Agency	EA	0	0	0:	1 100 pp - 40	·0*
Local Governments (cities, counties)	EA	0	0	0		D.
Utility Companies	EA	0	0	0		-01
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	- HA
Phase Review Meetings	EA	. 0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	-,-
Total Meetings			WEE TO	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	1

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Concrete Box Culvert				The state		
18.1	Concrete Box Culverts	EA	0	0		0	
18.2	Concrete Box Culverls Extensions	EA Extension	0	0		à	
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	ä	
150	Strain Poles						
A sale		Initial Config	0	0		0	
18,5	Steel Strain Poles	EA Add'I Config	0	a		ō	78.44.5 N
		Initial Config	0	0		0	
18.6	Concrete Strain Poles	EA Add'I Config	0	0 :		Ö	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	a	:0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
	Mast Arms					A PLEATER	
18.9	Mast Arms	EA Design	4	.6		24	
18.10	Mast Arms Date Table Plan Sheets	Sheet'	1	(4)	1	4	
8.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	D	
4	Overhead/Cantilever Sign Structures	15 7000			aleimon i		
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	Plan Sheats	Sheet	0	0	D	0	
18,18	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	o	0	0	
	High Mast Lighting				1		
18,19	Non-Standard High Mast Lighting Structures	EA Design	0	0		0	Victoria de la companya del companya de la companya del companya de la companya del la companya de la companya
18.20	High Mast Lighting Special Details Plan Sheets	Sheet	0	0	D	0	
	Noise Barrier Walls (Ground Mount)					Party N	
18.21	Horizonial Wall Geometry	EA Wall	D	(0)		0	
18.22	Verilcal Wall Genmelry	FA Wall	0	0		٥	
18.23	Summary of Quantities - Aesthetic Requirements	Sheet	D	0	0	Ö	
18.24	Control Drawings	Sheet	0	0	D	0	
18,25	Design of Noise Barrier Walls Covered by Standards.	EA Design	0	10		0	
18.26	Design of Noise Barrier Walls Not Covered by Standards	s EA Design	0	0 4		0	
18.27	Aesthelic Details:	Ls	1	0		ō.	
	Special Structures						
18,28	Fender System	LS	1	0		0	
18.29	Fender System Access	L'S-	1	. 01		. 0	
		The same of the sa		-			<del>-</del>

18.30	Special Structures	LS	1	٥	_	0	
18.31	Offier Structures	Ls	1	0		0	Special Light Pole foundations (spread fooling or smaller shalls)
678.63		18. Structur	es 🦫 Miscella	neous Total	Systa Book	28 28	

Representing	Print Name	Signature / Date
FDOT/District		
Consultant Name		

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20,1	Key Sheet		Sheet	0.	10	0	0.	
20.2	Summary of Pay Items Including TRNS-Port Input		LS	1-	Ö		0	
20.3	Tabulation of Quantities		Sheet	1	0	1	0	
20,4	General Notes/Pay Item Notes		Sheet	0	0	o	0	
20.5	Project Layout		Sheet	0	-0	0	0:	
20.6	Plan Sheet	40	Sheet	8	3	-8	8	
20.7	Typical Details		EA	0	.9		,D	
20.8	Guide Sign Worksheet(s):		EA	0	10		0	
20.9	Traffic Monitoring Site	•	EA	0	o		0	
20.10	Cross Sections	PACE A STATE OF THE STATE OF TH	EĄ	0	10		D	
20.11	Special Service Point Details		EA	0.	56		D	Control of the contro
20.12	Special Details		LS	1	10		D:	
20,13	Interim Standards		LS	1	10		D	
	Signing	and Paveme	nt Marking	Plans Techn	ical Subtotal	9	8	
20.14	Quality Assurance/Quality Control		LS	%	6%		О	
20.18	Supervision		LS	%	6%	7.6	0	
		20. Signing	and Pave	ement Marking	Plans Total	9	8	

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

Name of Project:

County:

FPN:

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

North Port

Consultant Name: American Consulting Professionals, LLC Consultant No.: enter consultants proj. number:

Date: 1/30/2018

FPN: FAP No.:			×.			3							Estimator:	1/30/2018		
Staff Classification	Total Staff Hours From "SH Summary	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		Salary Cost By	Average Rate Per
	Firm*	\$180,00	\$1,65,00	\$130,00	\$95,00	\$55,00	\$60:00	\$0.00	\$0.00°	450.00	50,00	\$0,00	\$0.00	Activity	Activity	Task
3. Project General and Project Common Tasks	D	.0	0	0	D	0	0	0	0	0	C	0	0	0	50	#DIV/0I
4. Roadway Analysis	0	0	D.	0.	0	0	ď	Ó		0	0	0	0	0	so	#DIV/0I
5. Roadway Plans	D	.D.	0	ď	b	Ö	Q	ó.	٥	0	a	.0	0	0.	so	#DIV/01
6a, Drainage Analysis	О.	0'	D.	<b>0</b> :	D	a	O.	0	o o	0	. 0	.0	0	0	so	#DJV/0]
6b. Drainage Plans	10,	۵.	D .	Q	D	0,	0	0	α	0	10	0	0	0	:50	#DIV/01.
7. Utilities:	0	0.	Ö	0	0	0	0	0	0	0	0	0	0	0	50	#DIV/01
8. Environmental Permits, Compliance & Clearances	Ó:	.0'	Ď.	ď	o	D D	D	à .	0	0	O	o	0	ا ہ	SO	#DIV/01
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	,0	.0	D.	Ö.	0,	0	0	o i	b	0	.0	0	0	0	so	#DIV/01
10. Structures - Bridge Development Report	:01	-0"	0.	Ó	D	0	0	0	0	b	. 0	0	.0.	Ö	.50	#DIV/01
11. Structures - Temporary Bridge	0	.0.	0;	0	0	0	0	0		0	o	0	n	- 0	.so	#D(V/0!
12. Structures - Short Span Concrete Bridge	:0	0	0	0	0	0	0	0	0	0	0	0	D.	. 0	so	#DIV/0!
13. Structures - Medium Span Concrete Bridge	(0)	- 0	0 '	o i	0	ò	o		D	0		0	0	0	SD.	#DIV/0:
14. Structures - Structural Steel Bridge	- D	O	O'	0	D	0.	á	a .	in in	0		'n	6	0 1	. so	#DIV/0!
15. Structures - Segmental Concrete Bridge	, f0 r		o'.	α.	D	0	Ô	6	D	0		1 0	0	0	SD	#DIV/01
16. Structures - Movable Span	0:	.0	o o	0	0'	0	a	0	n	n	. n	h	b.	0	\$0	#DIV/01
17, Structures - Retaining Walls:	,D	o:	0	0	0	0	0	0 .	D	0	0	in:	D:	°	50	#DIV/01
18. Structures - Miscellaneous	D	.0	0	ø	0	0	0	. 0	D	0	0	0	0		SD	#DIV/01
19. Signing & Pavement Marking Analysis	0	. 0	ď	0	0	ò .	0	6	0	, i	0	io:	0.	0	30	#D[V/0]
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	Ö	0		0	0	0	0	0	.30	#010/01
21, Signalization Analysis	62	2	9.	6	19,	(25)	3	. 0	D	0	0	10:	0.	62	\$5,884	\$94.90
22. Signalization Plans	20	1	7	2	102	0	0	. 0	D	0		-0-	.0'	20	52,555	\$127.75
23. Lighting Analysis	48	4	12	7	27	'n -	4	n	D	0	-0	D.	0	48	\$5,722	\$119,21
24. Lighting Plans	23	1	8	2	12	0 /	Ö	, n	0	6	0	6	0	23	\$2,912	\$126.63
25. Landscape Architecture Analysis	0	Ď.	0	0	'O'	0	n	, 0	,			.b.	0	ä j	\$0.	#DIV/01
26. Landscape Architecture Plans	:0:	D	0	0	0	0	0	0			0	0	0	D D	SD	#DIV/01
27. Survey (Fleid & Office Support)	-0	0.	0	o	0	D	0	0	,	0	,	φ.	. 0		50	#DIV/01
28. Photogrammetry	-01	D	Ô.	ė .	i o	Ď	. 6	0	ő		0	0.	0.	D 0	50	#DIV/01
29. Mapping	-'d1	Ď.	0	0	ä	0	, o	n	0	0	6	- Or	0.	. 0	.su	#DIV/01
30. Terrestrial Mobile LiDAR	-0.	.0	0	0		i n		'n		0	1 %	0	0	12	S0 S0	#DIV/01
31. Architecture Development	0.	n	0	σ .	i i	, n	ñ	0	Š	0	1	0.	. 0.	. 0	34,500	A TOWNSHIP OF THE PARTY OF THE
32. Noise Barriers Impact Design Assessment	0.		0	0	, i	0	ő			,		0	,o.,	0	.50	:#DIV/0I
33. Intelligent Transportation Systems Analysis.	-0:	0	0	io .	6	1 6	n n	0	Š		1 5	.0	a.	D .	(SO	#DIV/0!
34. Intelligent Transportation Systems Plans	0:	n	6	0	"	1 6		1 0	6	1 5		0.	0:	6	<b>350</b> .	#DIV/01
35. Geolechnical	90	0	0	id .		0	0		0	0	.0	0.	0	A 100	\$0	#DIV/01
Total Staff Hours	153	5	36	17	68	25	2	0	0	0	0	0.	0:	153	SO	#DIV/01
Total Staff Cost		\$900.00	55,940,00	52,210.00	\$6,528,00	\$1,375.00	\$120.00	50,00	\$0.00	\$0.00	-\$0.00	\$0.00	\$0.00	103	\$17,073,00	\$111,59

Notes:

		Chock =	2	317,073.00	2
					\$17,073.00
	'D%				\$0.00
	0%				\$0.00
():	0.00%				\$0.00
	0.00%				\$0.00
					\$17,073.00
0	4-man crew.da \$	10.00	/ day		\$0.00
			5.5		50.00
					\$17,073.00
					\$0.00
					\$17,073.00
		0% (0.00%); 0.00%	0% . 0% . 0.00% . 0.00%	0% . 0.00% . 0.00%	0% 0% 0.00% 0.00%

<sup>1.</sup> This sheet to be used by Subconsultant to calculate its fee.

# Project Activity 21: Signalization Analysis

# Estimator: O.Rodrígues

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	

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21,1	Traffic Data Collection	Ls	3	0	0	NIA
21.2	Traffic Data Analysis	PI	1	6	6	Ped and Vehicle clearences
21.3	Access Management	LS	н	0	0.	N/A
21.4	System Timings	Ĺs	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	ĽS	1	0	0-	NIA
	Overhead Street Name Sign Design	EA	0	2	0	NIA
21.B	Pole Elevation Analysis	LS	1	0	0	N/A
21.9	Traffic Signal Operation Report	LS	4	0	0	
21,10	Quantities	LS	ä	6	.6	
21.11	Cost Estimate	LS	3	9	9	3 submittals
21.12	Technical Special Provisions	LS	1	0	'O:	NIÄ
21,13	Other Signalization Analysis	LS	1	6	6	TCP analysis
	Sign	alization Ana	lysis Techn	ical 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	L'S	-%	0%	0	
21.18	Supervision	LS	%	7%	3	
	Signaliz	ation Analys	is Nontechn	ical Subtotal	17	

# Project Activity 21: Signalization Analysis

21.19 Coordination	LS	%	3%	, <b>2</b>	
	21. Sigr	nalization A	nalysis Total	62	

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

Carries to 21:15

Curries to Tab 3

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		
FITE	Oliver Remy Rodrigues.	

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	ō	0.8	0	Q.	N/A
22.3	Tabulation of Quantilies		Sheet	đ	4	1	4	
22.4	General Notes/Pay Item Notes		Sheet	12	4	1	4	
22.5	Plan Sheet		Sheet	15	41	1.	n4"	Chamberlain Intersection
22.6	Interconnect Plans		Sheet	1	o	-1	0	AUA
22.7	Traffic Monitoring Site		ÈA	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	NA
22,10	Special Service Point Details		EA	10	0		.0;	AWA
22.11	Mast Arm/Monotube Tabulation Sheet		Pl	Ö	0		0	NA
22.12	Strain Pole Schedule		PI	0	0		0	N/A
22.13	TCP Signal (Temporary)		EA:	1	0		·O.	
22.14	Temporary Detection Sheet		PI	110	4		-4	
22.15	Utility Conflict Sheet		Sheet	0	0	0	0	NIA
22.16	Interim Standards		LS	t	0		-0	N/A
		Si	gnalization	Plans Techni	ical Subtotal	6	18	
22.17	Quality Assurance/Quality Control	1	LS	%	7%		<b>1</b> 25	
22.18	Supervision -		LS	%	7%		1.	
No.		and the later	22	. Signalization	Plans Total	6	20	

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

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS:	1	0	Ö.	N/A
23.2	Lighting Design Analysis Report	LS.	1	8	·8·	1 altenative (pole height, wattage, arm length)
23.3	Aeronautical Evaluation	Ĺs	1	là ,	Ö-	N/A
23.4	Voltage Drop Calculations	LS	1	<b>2</b>	2.	1 circuit x 2hrs/circuit x 1 load centers.
23.5	FDEP: Coordination; and Report	LS.	1	Ö	.0.	MA
23.6	Reference and Master Design Files	ĹS	1	. ∤16⊹	16	Chamberlain Intersection:
23.7	Temporary Lighting	LS	-1	0	Oj:	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	4	.3	3	3 submittals x 1hrs/submittal
23.11	Technical Special Provisions	LS.	1	10	·O.	N/A
23.12	Other Lighting Analysis	LS:	31°	Fo.	0	N/A
		Lighting An	alysis Techn	ical Subtotal	35	
23.13	Field Reviews	LS:	· 11'	% <b>A</b>	4:	1 reviews x2 people @ 2hrs
23.14	Technical Meetings	LS	1.	4.	.4	
23.15	Quality Assurance/Quality Control	Lŝ	%	7%	. 2	
23.16	Independent Peer Review	LS	%	0%	10	
23.17	Supervision;	LS	%	7%	ź.	
	AND LESS LESS LAND LA MARIE POR	Lighting Analys	is Nontechn	ical Subtotal	12	
23.18	Coordination	LS:	%	3%	7	
		2	3. Lighting A	nalysis 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	EΑ	0	Ö	Ò		Ð
FDOT Traffic Design	EA	-0	0	0.		0
Power Company (service point coordination)	ΕA	0	4	0		Ö
Maintaining Agency (citles; counties)	EA	1	4	4		O'
Airport authority	EΑ	10	0	0		D
FDEP Lighting (coast areas)	EA:	Q	ρ	٥		0
Other Meetings	EA	Q	0	0		0
Subtotal Technical Meetings		Jan Vajetavi		4	Subtotal Project Manager Meetings	0
Progress Meetings (if required by FDOT)	ΕA	0	0	. 0	PM attendance at Progress Meetings is manually entered on General Task 3	
Phase Review Meetings	EA	a	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	
Total Meetings		geraliana		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		
FIE	Oliver Remy Rodrigues	8

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet		Sheet	7	:4	4.	*4	
24.2	Summary of Pay Items Including Designer Interface (TRNS•Port) Input		Sheet	ō	0	;O	0	AWA
	Tabulation of Quantities		Sheet	1	-4	-1	4	12hrs 1st sheet + 6/hrs/additional sheet
24.4	General Notes/Pay Item Notes		Sheet	a	767	4	6	
24,5	Pole Data, Legend and Criteria		Sheet	A1	4	1	4	16hrs 1st sheet + 10hrs/additional sheet
24,6	Service Point Details	1	Sheet	1	0	4	0	AVA
24.7	Project Layout		Sheet	0	0	Ö	70	N/A
24.8	Plan Sheet		Sheet	1,1	3	1	:3:	Scale 1" = 40' Chamberlain Intersection
24.9	Special Details	i	Sheet	-1	0	1	-α	N/A
24.10	Temporary Lighting Data and Details		Sheet	30	0	<u></u> (0.	0	N/A-
24.11	Traffic Control Plan Sheets		Sheet	<b>90</b>	ò	"D.	Ó	N/A·
24.12	Interim Standards		LS		0		30	NA
			Lighting	Plans Tech	nical Subtotal	7	21	
24.13	Quality Assurance/Quality Control	. 1	LS	÷%;	7%		ť	
24.14	Supervision	1	LS	%	7%		1	
egol:				24. Lightir	g Plans Total	7	23	

# 24. Lighting Plans

Estimator: O.Rodrigues

MolionNo2 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

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

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Key Sheet		Sheet	0	4	D	Ď,	
24.2	Summary of Pay Items Including Designer Interface (TRNS-Port) Input		Sheet	<b>O</b> 4	(Q)	D	٥	N/A
	Tabulation of Quantities		Sheet	71	6	1	<sup>3</sup> 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 <sup>2</sup>	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	D	Ô	N/A
24.8	Plan Sheet		Sheet	5	3	5 .	1,5.	Scale:1" = 40'
24,9	Special Details,		Sheet	1	12	1	12	Decorative poles:
24.10	Temporary Lighting Data and Details		Sheet	0-	10	0	.0.	N/A
24,11	Traffic Control Plan Sheets		Sheet	0	0	.0	0	N/A.
24.12	Interim Standards		ĽS	0-	0		.0°	N/A
			Lighting I	Plans Tech	nical Subtotal	8	51	
24.13	Quality Assurance/Quality Control	9	LS	%	7%		4	
24.14	Supervision	3	LS	1%	7%		-4:	
		Articular Section		24. Lightin	g 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	. O:		-0.
FDOT Traffic Design	EA	. 0	0	0		.0
Power Company (service point coordination)	EA	1	4	4		0
Maintaining Agency (cities, counties).	EA	. 3	4	4		0
Airport authority	EA	OE.	0.	0%		0
FDEP Lighting (coast areas)	EA	D:	0 :	0	,	0.4
Other Meetings	EA	0	0	0.		.0
Subtotal Technical Meetings		Non-chight		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	42"
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	
Total Meetings	- # 4.5			8	Total Project Manager Meetings (carries to Tab 3)	0

Carnes to 23.14.

Carries to Tab 3

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

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	(LS)	4	0	0	N/A
23.2	Lighting Design Analysis Report	LS	4	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	D	0.	West of Sumter: 2 circuits x 3hrs/circuit x 1 load center
23.5	FDEP Coordination and Report	LS	1	0	Ø.	N/A:
23.6	Reference and Master Design, Files	LS	1	0	0.	West of Sumter: 30hrs setup + (40hrs/mi × 0.47mi = 19hrs)
23.7	Temporary Lighting	LS	1	. 0	Ö.	N/A
23.8	Design Documentation	LS	1	6	6	Docs
23.9	Quantities	LS	4	12	12	5 sheets
23.10	Cost Estimate	LS	1	6	6:	3 submittals.×2hrs/submittal
23.11	Technical Special Provisions	LS	1	0	٥.	NA
23,12	Other Lighting Analysis	LS	1	. 0	0	N/A
1		Lighting An	alysis Techn	ical 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	
mat I		Lighting Analys	is Nontechn	ical Subtotal	22	
23.18	Coordination	LS	%	3%	3	
2000		2:	3. Lighting A	nalysis Total	97	

## Project Activity 21: Signalization Analysis

21.19 Coordination	LS	%	3%	i .	
	21. Sign	alization Ar	alysis Total	31	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	10	<b>30</b>	0>		0
FDOT Traffic Design	EA	£0	10	0;		0
Power Company (service point coordination)	EA	.0	.2	Or.		0
Maintaining Agency (cities, counties)	EA	0	2	O4	and the Plant Community and the Community of the Communit	0
Railroads ,	EA	0	10	Ö.		001
Other Meetings - Speed Study	EA	0	3	0.1		0
Subtotal Technical Meetings				0	Subtotal Project Manager Meetings	0
Progress Meetings (if required by FDOT)	EA	0	0	03	PM attendance at Progress Meetings is manually entered on General Task 3	
Phase Review Meetings	EA	0	o'-	0)	PM attendance at Phase Review Meetings is manually entered on General Task 3	
Total Meetings	William Balling			0	Total Project Manager Meetings (carries to Tab 3)	0

Comies to 21.15

Carries to Tab 3

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

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1.	Traffic Data Collection	LS	11:	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	L,S	1	0 "	0	N/A
21.4	System Timings	LS	• 1	0	O	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/Á:
21.9	Traffic Signal Operation Report	LS	- 1	.0	:0	N/A
21.10	Quantities	LS-	7	0	0	N/A-
21.11	Cost Estimate	LS-	-1	0	0	N/A
21.12	Technical Special Provisions	LS	न	0	,0	NA
21.13	Other Signalization Analysis	LS:	1	0	10	N/A
Since	Sign	alization Ana	alysis Techni	ical Subtotal	12	
21.14	Fleid:Réviews	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	ĿS	%	0%	10	
21.18	Supervision	LS	%	7%	7	
251	Signaliz	ation Analys	is Nontechni	ical 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	٩.	9	9	1 shop drwgs @ 3hrs.+ 2 RFI @ 3hrs = 9hrs; west of Sumter
3.9	Digital Delivery	'LS	11	Ö,	0	1
3.10	Risk Assessment Workshop	LS	- 1,	0	0	
3.11	Rallroad, Transit, and/or Airport Coordination	LS	-1	0	Ō	
3,12	Other Project General Tasks	LS	1	70	0	
	3. Project C	ommon and Pr	oject General	Tasks Total	21	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	0	i/o	O .	D
Drainage	EA.	0	0.	Ö	
Utilities	; ;EA:	, (O	0	0	
Environmental	EA	Ö	÷ď	0	
Structures	ĖA	.0	5 <u>0</u>	0	
Signing & Pavement Marking	EA:	:0	<b>FO</b>	0	
Signalization	EA:	:0	0	Ö	
Lighting	EA	/0.	i.o	0-	
Landscape Architecture	EA	(0)	-0	0	
Survey	EA	,0	Ö	. 0.	
Photogrammetry	EA	(0	30	. ۵	
ROW & Mapping	EA	0	Ó	0.	
Terrestrial Mobile LiDAR	EĄ.	. Ó.	(0	0	
Architecture	EA	~0	.0	Ov.	
Noise Barriers	EA	0	. 0	0	
ITS Analysis	EA	30	. 80	0.4	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	0/-	ŶÔ	, o	
Phase Reviews	EA	0	0	0:	
Field Reviews	EA	. 5D-	-0	Ö	
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 (nours) 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	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3,1)1	Community Awareness Plan	ĹS	. 1	0	٥	
3,1,2	Notifications.	LS	Ť	í.ó	٥	
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′	- Ö	0	
3.1.6	Newslétters	LS	-1	0	0	
3:1.7	Renderings and Fly Throughs	LS	1	řö	0	
3,1,8	PowerPoint Presentation	LŠ	1.	0	0	
3.1.9	Public Meeting Preparations	LS	1	٥	0	
3.1.10	Public Meeting Attendance/Followsp	LS	1	۵	0	
3.1,11	Other Agency Meetings	LS	· 1 <sub>5</sub>	à	Q.	
3.1.12	Web Sile	LS	1	·a	٥	
		3,1 Pui	olic Involvem	ent Subtotal	0	
3.2	Joint Project Agreements	EA	D	٥	0	
3.3	Specifications Package Preparation	L\$	1	0	0	
3.4	Contract Maintenance and EDMS	L\$	1 .	0	0.	
3,5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	Q	
3.6	Prime Consultant Project Manager Meetings	LS.	7.	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:

Consultant Name: FTE

Consultant No.: enter consultants proj. number

Date: 1/26/2018

FAP No.:	Total Staff	Project	Value of the same	Project		The same of		Staff Classi-	Staff Classi-	Character of	T 61-17 61		Estimator:			**
Staff Classification	Hours From	Manager	Sr Engineer	Engineer	Designer	Technician	Clerical	fication 7	fication 8	Staff Classi- fication 9	Staff Classi- fication 10	Staff Classi- fication 11	Staff Classi- fication 12	SH	Salary Cost By	Average Rate Per
	Firm"	\$180.00	\$165.00	\$130.00	\$96,00	\$55,00	\$60,00	\$0,00	\$0.00	\$0,00	\$0.00	30,00	\$0,00	Activity	Activity	Task
3. Project General and Project Common Tasks	21	1	12	0	8	· ģ	D	0	0	0	0	0	0	21	\$2,928	\$139,43
1. Roadway Analysis	:01	p.	io	<0	0	-0	D.	0	0	0	0	0	n	ň.	50.	#DIV/01
5. Roadway Plans	:04	"Ov	0	.0.	"O:	0.	D	0	0	0	0.	0	0		.50	#D[V/0]
6a. Drainage Analysis	'0'	0	40.	0.	va:	o d	0	6	8	Ď	0	0	0		30	#DIV/DI
6b. Drainage Plans	*O*	.D	AD.	.0	0	Ď	Ö	o	D	0		0		0	50:	#DIV/01
7. Utilities	:0:	o.	.0	/0	0	Ó :	ò	. 6	ő .	0	6				80	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
8. Environmental Permits, Compliance & Clearances	D.	10"	0	. 0	0	0	n			0						#DIVIO!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	D.	.0.	0	0.	0	D .	0	0	0	0	6	0	0	0 .	-\$0	#DIV/OI
10. Structures - Bridge Development Report	0	.:D.	0.	0		0	o o			0		0	0	0	.50	#DIV/O
11. Structures - Temporary Bridge:	-0.1	.0	0.	Ď.	0	, o	0	0		0			. 0	0	: 80	#DIV/01
12. Structures - Short Span Concrete Bridge	· ro	.0.	0	Ó,	o	0	a	0	0	0	0	. 0	. 0	9	50	#D1V/01
13. Structures - Medium Span Concrete Bridge	0!	0	0	0.	0	0	σ	o o	0	i i	0			0	so	#DIV/0I
14. Structures - Structural Steel Bridge	. 0	-0	0	0	0	0	D	ď	0	0		0	0	0	so:	#DIV/0I
15. Structures - Segmental Concrete Bridge	D.	0	0	0	0	0	0	0		0		0	0	9	53	500000000000000000000000000000000000000
16. Structures - Movable Span	0.	Ď.	Ó	Ò	o	i o	0		D )	n	'n	0		0	.50	#DIV/01
17. Structures - Retaining Walls	0.1	. 0	Ď	o'	ő	0	D	1 0	n	0		1 0	0		so	#DIV/0!
18. Structures - Miscellaneous	(0)	0	0.	O.	0	0	D	0	n i	0			0			#DIV/0!
19. Signing & Pavement Marking Analysis	0:	· D:	0	0	d	п .	0	0	0	0	0				50	20.00.000000000000000000000000000000000
20, Signing & Pavement Marking Plans	(0)	-0	0 3	0	0	D	0	0			0		0	.0	50	#DIV/0!
21. Signalization Analysis	31	3	5	12	7	D	3	0		, 0		0.	0	772	100	#D[V/01 \$127.16
22. Signalization Plans	D.	0	0	Ď.	Ó	, b	o o	0	5 8		0	0.	200	31-	53,942	N. P. Carlotte and Co.
23. Lighting Analysis	97	.0	10.	24	48:	6	6	. 6			3	0	0.	0.	\$0.	#DIVIO!
24. Lighting Plans	59	6	6	12	35	0 .	0			0	0	0	0.	B7.	\$11,358	\$117.09
25. Landscape Architecture Analysis	100	70	n i	0	n	0	n	0			.0		(2) U	59	\$5,990	\$118,47
26. Landscape Architecture Plans	10	10	0	Ď	0	0	0	9				0	. 0-	0:	\$0	10/VIO#
27. Survey (Field & Office Support)	.0	.0	D I	Ď	,	0	ò	0			o.	1 200	0	0.	so	#DIV/DI
28. Photogrammetry	0	. D	0	0	1 8	0	0	1 0	0		0	0-	0.	0	\$0	#DIV/D!
29. Mapping	- '0'	0	n n	D	n i	0	0		in in		0	2	-	8'	\$0,	#OIV/D!
30. Terrestrial Mobile-LIDAR	.0	D	0	0	0	0	0	2	0	0	A. 1500	0	0.	10/	\$0	#DIV/0!
31. Architecture Development	(0)		1 0	0	0		2	0	D.	0.	0.	0	(D).	0	30	#DIV/01
32. Noise Barriers Impact Design Assessment	0	0	0	ó	0	0		0		.0.	.0.	.07	, D:	0	50 .	#DIVID!
33. Intelligent Transportation Systems Analysis	0	Ď.	0	ò	0				0×	1	.0.	D.	0	.0	SO	#DIVID!
34. Intelligent Transportation Systems Plans	0	, n	0	0		. 0	0	0	0	0:	0:;	0)	D.	О.	\$0 .	#DIV/01
35. Geolechnical	h	0	0 4	h	0	0			183	0.	01	D.	D	.0	\$0	HOIVIOI
Total Staff Hours	208	19	34	-48:	98	0 1	9	0	D .	0	0	(D:	0	0	. 50	O(VIO#
Total Staff Cost	1	\$3,420.00	\$5,610.00	\$5,240,00	\$9,408.00	\$0.00	\$540:00	50.00	. 250,00	\$0.00	(\$0.00	50.00	50.00	208	525,218,00	\$121.24

\$25,218,00 SALARY RELATED COSTS: \$25,218,00 0%. OVERHEAD: \$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 (Fleld) 4-man crew da \$ \$0.00 Geolechnical Field and Lab Tesling \$0.00 SUBTOTAL ESTIMATED FEE: \$25,218.00 Optional Services \$0,00 GRAND TOTAL ESTIMATED FEE: \$25,218:00

Notes: 11. 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

						A 2, Part 1						
Description	Principal	Project Manager	Registered PE	Registered El	Sr. Designer	Designer	Technician	Sr. Construction Insp.	Construction Insp.	Clencal	Total Hrs	Sub-Total.
2, Part 1. Changing from 4-lane divided section to			0			14						
lane section		l l		Walland Co.		- 1 b						
WANTED IN THE PART OF THE PART			22 AV2-500					2.7043,000,000	1			
ask 4.05 Utility Coordination and Design (LUMP SUM)									-			
.06.1 Utility Coordination												
Wastewater - Transmission Force Main												
a. Coordinate w/ Existing Utilities	0,00	1,33	1,33	1,33	1.33	0.00	0.00			0,67		
b. Pre-Design Conference	0.33	0.67	0.67	0,67	0.57	0,00	0,00			0,67		
a, Public Involvement (Add1 mig per Task 4.18)	0.00	1.33	1,33	1.33	0.00	0.00	0.00			0.67	-	
Sub-Total Hours Hourly Rate	D,33 \$214.00	3.33 \$163.00	3.33 \$163,00	3.33 \$129,00	2.00 \$112.00	D.00 \$101.00	0.00			2.00		
Sub-Total Fee	\$71,33	5543.33	\$543.33	\$430.00	5224.00	\$0.00	50.00			\$62.00 \$124.00		51;935:98
Potable Water - Distribution Main	57 1100	0,545,00	4040.00	0440.00	5224.00	55.00	30.00	30.00	190,00	3124.00		21,935.96
a, Coordinate W Edailing Utilities	D.QD	1.33	1.33	1.33	1.33	0,00	0.00	0,00	0.00	0.67	8.00	St 70.1 10.2
b. Pre-Design Conference	0.33	0,67	0,67	0.67	0.67	0.00	0,00	0,00		0.67		
c. Public Involvement (Add1 mtg per Task 4.18)	0.00	1.33	1.33	1.33	0.00	0.00	0.00	0.00		0.67		
Sub-Total Hours	0,33	3,33	3,33	3,33	2.00	0,00	0.00	0.00		2.00		- SEE LE STEP SE
Hourly Rale	\$214.00	\$163.00	\$163.00	5129.00	\$112.00	\$101.00	\$90.00	\$118.00	5101.00	\$62.00		
Sub-Total Foo	\$71.33	5543,33	\$543.33	\$430.00	\$224,00	\$0.00	\$0.00			\$124,00		\$1;935;9
3. Re-Use Water - Distribution Main			1 31 30 30 100		The street of th				4	-03		
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	Company Company
b. Pre-Design Conference	0.33	0.67	0,67	0.67	0,67	0.00	0.00	0,00	0.00	0.67		
c, Public Involvement (Add1 mtp per Task 4.16)	0,00	1.33	1.33	1.33	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	2,00	14,33	
Hourly Rate	\$214,00	\$163,00	\$163.00	\$129.00	\$112.00	\$101.00	590,00		\$101,00	\$62,00	7	17/9=116
Sub-Total Fee	571,33	\$543.33	\$543,33	\$430.00	\$224.00	\$0.00	\$0,00	\$0,00	\$0.00	\$124.00		\$1,935.9
06.2 Design						-					77	
Westewater - Transmission Force Main				-						-		-
	0.57	The state of the state of		No. of the last of	BATT THE TAXABLE	el. di collection	E CENTRAL					
a. Concept Dealgn 15%	-	5,33	8.00	10.67	5,33	12.00	0.00		0.00	0.67		
c. Design 60%	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	D,00	0.00	0.00	0,00	
s. 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		B.00	10,67	5,33	12.00	0.00			0,67	42.66	
Hourly Rate	\$214.00	\$163,00	\$163,00	\$129,00	\$112.00	\$101,00	\$90,00			\$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	541.33		\$5,542,2
2. Potable Water - Distribution Main			- 4015		-					-	-	
The state of the s	0-1		11 Jan 12 1			Harry M.		The state of the s		-(672		-
a. Concept Design 15%	0.67		8.00	10.67	5,33	12.00	0,00		-	0.67		
a, Design 60%	0.00	0.00	0.00	0.00	. 0.00	0.00	0.00			0,00	17	
d. Design 90%	0,00	0,00	0,00	0.00	D.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	100mm
Sub-Total Hours	0.67	5,33	8.00	10.67	5,33	12.00	0.00	0.00	0.00	0.57	42.66	
Hourly Rate Sub-Total Fea		\$163,00 \$869,25	\$163.00 \$1.303.87	\$129.00 \$1,375.88	\$112.00 \$597.27	\$101.00 \$1,212.00	\$90,00			\$62,00		
Sub-Total Fee	\$142.65	\$869.25	\$1,303.87	\$1,3/5.88	5597.27	\$1,212.00	\$0.00	:\$0.00	\$0.00	.\$41,33		\$5.542.2
NEW AND ENGINEERS									-			
Re-Use Water - Distribution Main     Concept Design 15%	0.67	5.33	8.00	10,67	5,33	12.00	0.00	0.00	0.00	0.87	42.66	-
c. Design 60%	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		
e, Design 100%	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	10.57	5.33	12.00	0.00		0.00	0.67	42.66	
Hourly Rate		5163.00	\$163.00	\$129.00	\$112,00	\$101.00	590,00			562.00		
Sub-Total Fee	\$142,65	\$869.25	\$1,303.87	\$1,375.86	\$597.27	\$1,212.00	\$0.00	\$0,00	50.00	\$41.33	-	\$5,542.2
06.3-4 Permitting	1900					***************************************						
	0.00	0,00	0.00	0.00	0,00	8.00	0,00					-
Wastewater - Transmission Force Main     Potable Water - Distribution Main	0.00		0.00	0.00		0.00	0.00			0.00		
Re-Use Water - Distribution Main     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 Hourly Rate	5214,00	\$163.00	\$163.00	0.00 \$128.00	\$112.00	0.00 \$101.00	\$90.00		\$101.00	\$62.00	0,00	
Sub-Total Fee	\$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	5214,00	\$163,00	\$163.00	\$129.00	\$112.00	\$101.00	\$90.00			562.00		-
SA 2, PART 1 SUB-TOTAL FEE (LUMP SUM)	\$541.95	\$4,237.72	\$5,541.59	\$5,417.59	\$2,463.62		\$0,00	50,00	\$0.00	\$495.99		\$22,434,6
							-		THE STATE OF THE STATE OF		(	
	E 09	I S							1			

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments Comments
6a.21	Environmental Look-Around (ELA) Meeting	LS	1.	0	0	
6a.22	Quality Assurance/Quality Control	LS	9%	6%	1	
6a.23	Independent Peer Review	LS	%	0%	Ó.	
6a.24	Supervision	LS	%	6%	4	
		rainage Anal	ysis Nontechr	nical Subtotal	2	
6a.25	Coordination	LS	%	3%	1	
			6a. Drainage A	nalysis Total	27	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	\O	0	0	Control of the Appellance of the Control of the Con	0
Pond Siting	EA	10	0	0:		1
Agency-	EA.	O	0	,ò,		21
Local Governments (cities, counties)	EA	0	Ó	0		i,Q
FDOT Drainage	EA	1 <b>0</b>	0	.0		.0
Other Meetings	EA	10	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	F.74
Phase Review Meetings	EA	.0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	5.4
Total Meetings	15 70 图 图 图 图 图		<b>经有数据</b>	0	Total Project Manager Meetings (carries to Tab 3)	3

Carries to 6.19

Carries to Tab 3.

Estimator: Bill Adams

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	Ø.	Existing and proposed drainage maps
6a.2	Base Clearance Water Elevation Determination	Per Location	0	0	ď	
6a.3	Rord Siting Analysis and Report	Per Basin	1	24	24	Update pond calculations for 5 lane section
6a.4	Design of Cross Drains	EA	0	٥	0	
6a.5	Design of Ditches:	Per Ditch Mile	1	ō.	D	
08,0	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	1	D-	0	
6a.7	Design of Stormwater Management Facility (Roadside Ditch as Linear Pond)	Per Cell	0	Đ:	ď	
6a.6	Design of Floodplain Compensation	Per Floodplain Basin	1	0.	О	
6a.9	Design of Storm Drains	EA	0	O	D	
6a,10	Optional Culvert Material	EA	∷0	e)·	0	
62,11	French Drain Systems	Per Celí	10	0.	0	
6a,12	Drainage Wells	EA	.jQ	0	-0. 🛫	
6a.13	Drainage Design Documentation Report	LŞ	G	0	.0;	
6a.14	Bridge Hydraulic Report	EA	.0	0	Q	
68.15	Temporary Drainage Analysis	LS.	0	0	Ø	
62.16	Cost Estimate	LS	0	0	.0	
6a.17	Technical Special Provisions	LS	0	0	-0	
6a.18	Other Drainage Analysis	LS	0	0	-0	
pillati		Drainage A	Inalysis Techi	nical Subtotal	24	
6a.19	Field Reviews	LS	1	0	Ó	
6a.20	Technical Meetings	LS	4.	ρ.	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	:Ò;	week and the second sec
5,20	Temporary Traffic Control Cross Section Sheets		EA	0	0	0,	7.
5.21	Temporary Traffic Control Detail Sheets	AAACA CAASAAA AACA AACA	Sheet	0	0	ÿ <b>O</b>	
5.22	Utility Adjustment Sheets	8	Sheet	01	0.0	٥	
5.23	Selective Clearing and Grubbing Sheet(s)		Sheet	0)	-0	(Ó	N/A
5.24	Project Network Control Sheet(s)	2	Sheet	07		:0	
5.25	Environmental Detail Sheets		Sheet	Di	. 0	0	N/A
5.26	Utility Verification Sheet(s) (SUE Data)		Sheet	<b>D</b>	0	ô	
			Roadwa	y Plans Tech	nnical Subtotal	13	
5.27	Quality Assurance/Quality Control		ES	%	6%	1	
5.28	Supervision		LS	%	6%	4	
A LEG	PARTY IN SUIT STREET, IN SUIT OF			5. Roadwa	y Plans Total	15	

Estimator:

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		5

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	Ď.	
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	·D.	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	
5.16	Special Details		EA	D'	0	0.	
5.16	Cross-Section Pattern Sheet(s),	7	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%	Ö	
4:23 Supervision	LS	%	6%	35	
	Roadway Analys	is Nontechn	ical Subtotal	90	
4.24 Coordination	"L'S	1%:	3%	:20	
	4.	Roadway A	nalysis 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	ा
Pavement	EA	0	0	0:		10
Access Management	EA	0	0	.0:		10
15% Line and Grade	EA	19	5	5	yes	1
Driveways	EA	10	O-	·O.		,0
Local Governments (cities; counties, MPO)	EA	RO 0	9)	0		0
Work Zone Traffic Control	EA	<b>©</b> 0	OH.	0)		0
30/60/90/100% Comment Review Meetings	EA	10	0)	0		0 .
Other Meetings	EA	2	5	10	yes	12
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	(#/m)
Phase Review Meetings	EA	20	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	4-
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		

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	. Es	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	į	0	0	
4,8	Roundabout Final Design Analysis	LS	1	0.	Ó	
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.	D·	
4.12	Design Variations and Exceptions	LS	1	01	0	
4.13	Design Report	LS	1	6	6:	
4.14	Quantities	LS	1	0:	O.	
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 An	alysis Techn	ical 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	-9	20	20	Meetings are listed below.
4.21	Quality Assurance/Quality Control	LS	%	6%	35	

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

Hours	<u>Activity</u>
0	Prepare detailed workshop schedule and maintain
0	To be determined by City
0	Review previous mailing list and past public engagement meetings
8	Update Mailing List to include 2500 feet west of Sumter
0	By City
12	Prepare letter announcement (Public in 300' and stakeholders)
24	Process mailing of announcements
12	Prepare newspaper ads and update with City comments
4	Coordinate newspaper ads with newspaper
4	Prepare and print handouts for attendees (same handout will be used for all 3 meetings)
2	Prepare and print sign in sheets
20	Prepare and plot general exhibits (welcome, directional signs, citations, schedule)
0	Prepare and plot traffic exhibits
12	Prepare, colorize and plot typical section exhibits
40	Prepare and plot aerial roll plot
12	Update workshop materials, exhibits after pre-briefing/briefing meetings
0	Review comments and prepare matrix. City to compile comments from each meeting
0	Prepare Public Workshop Scrapbook/Summary. One summary.
0	Responses to public comments for City PM to distribute
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)
1.2	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 Com	mon and Pr	oject 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	rO.	
Environmental	EA	1	, O	.0.	
Structures	EA	.0	0	-0	
Signing & Pavement Marking	EA	Ü	0	.0	
Signalization	'EA'	.0	0	:0	
Lighting	EA	Ø	. 0	0	
Landscape Architecture	.EA	3	.0	0	***************************************
Survey	EA	:0	0	-0	
Photogrammetry	EA	Ö	·Q.	.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	Ö	0	
Total Project Manager Meetings	Alles and	31		40	Total PM Meeting Hours carries to Task 3.6 above

Notes:

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name	V	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
*3.1	Public Involvement			e : V	VVII.	
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	Lis'	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	· O.	三
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 Pu	blic Involvem	ent Subtotal	256	
3,2.	Joint Project Agreements	EA	0:	20	0	
3.3	Specifications Package Preparation	£S.	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	,ĽS	1	.0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	40	40	
3.7	Plans Update	LS	1	50	0.	
3.8	Post Design Services	ĹS	1	. 0	, O:	
3,9	Digital Delivery	LS	. 1	. 0	Ď,	
3.10	Risk Assessment Workshop	LS	à	. 0	Ō	10

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: County: FPN: FAP No.:

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

Consultant Name: American Consulting Professionals, LLC
Consultant No.: 5159774
Date: 1/26/2018
Felimeter: Ray Servetel

Staff Classification	Total Staff Hours From "SH	Project Manager	Ohler Eng.	Sr. Engineer	Project Engineer	Eng. Intern	Sr. Designer	Designer	Env. Scientist	Landscape Architect	Landscape Technician	Clerical	Sr. Surveyor	Ryan Forreste SH "By	Salary Cost By	Optional	Optional Salary Cost	Average.
	Summary -	\$249.00	\$280.00	\$224,00	3168,00	\$114.00	\$169.00	\$111.00	\$115.00	\$141.00	\$111.00	\$116.60	\$240.00	Activity	Activity	By Activity	By Activity	Task
<ol><li>Project General and Project Common Tasks</li></ol>	508	305	0	0	76	51	0	51	0	0	0	25	0	508	\$104,658	DJ ALLIVILY	Dy Activity	\$206.02
3a. Post Design Services (Optional)	0	0	0	0	0	0	0	0	0	0	0	n	0		0.10.1000	0	\$0.	#DIV/01
4, Roadway Analysis	692	69	.0	139	208	.139	138	0	0	Ó	0	0	n	692	\$126,365	, ,	300.	\$182.61
5, Roodway Plans	15	4	1	ź	3	2	3	-a:	0.	0	0	n	0	15	\$2,509	l .	1 1	\$182,61
6a. Droinage Analysis	27	3.	1	7	48.	10:	D.	0.	0	o o	0	n	0	27	\$4,741	ſ	8	\$175,59
6b. Drainage Plans.	0	.0.	0	0	0	0	o i	0	0	D.	0	, , , , , , , , , , , , , , , , , , ,	0	0	SD.	Ē.		
7. Utilities	0.	-0	0:	0	°D	-0	0	ď	0.	0	0	l š		0	50	1		#DIV/ot
8. Environmental Permits, Compliance & Clearances	0.	ò	0	0	:0	0	o I	0	0.	0	0	l ä	D	D D	.50			#DIVIO
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13. Structures - Medium Span Concrete Bridge	0.	0.	0	n	n.	0	0 1	0	0	a	0.		0	0			1 1	#DIV/01
14. Structures - Structural Steel Bridge	Ö.	a	0	à	0	ò	l ň l	ŏ	n	0	0	, D	0	170	SO		1	#DIV/OI
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17. Structures - Retaining Walls	0	D.	o.	n	n .	0		-0	0	0	0		0	D D	SO:	4	1 1	#DIV/OI
18. Structures - Miscellaneous	·0 ·	Ö.	Ď.	n	·n	10		0	1 %	0	o.	, L	0	D.	. SO.		1 1	#DIV/O
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33. Intelligent Transportation Systems Analysis	0	0	0.		-D-	-0	9	0 - 000	.0	0	. 0	, D	0	0	/SD	1	1 1	#DIANO!
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35. Geolechnical	70.	0	0.			,D-	0	-0.	.0.	0	0-	0	0	·D	SD		E 1	#DIVID!
Total Staff Hours	1.242	376	2	147	.0.	-	0	O.	D-	0	0		. 0	·01	S0		-	#DIVIDI
Total Staff Cost	1,242	\$93,624,00	\$580.00	\$32,928.00	355,460,00	202	141.	:54	0.	Ö	. 0	25	0	1,242		D		
IOM GUILCOST	-	- 535,024,00	-3200'ng	332,828,00	#35,46U.0D	÷\$23,028,00	\$23,828,00	\$5,994.00	\$0.00	\$0.00	\$0,00	\$2,850,00	50.00		\$238,373,00		\$0:00	\$191.93

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 raws may be hidden:

			The second secon	44100
ALI VALLEDA LEDA DE SES		Check	= \$238,373.00	(G_000000
SALARY RELATED COSTS:				\$238,373.00
OVERHEAD:	0%			\$0:00
OPERATING MARGIN:	G26			\$0,00
FCCM (Facilities Capital Gost Mor				SO.DD
EXPENSES:	0,00%			50.00
Survey (Field - If by Prime)	4-man cray	11/2	1770	
	.D days@		/ day	\$0.00
SUBTOTAL ESTIMATED FEE (L				\$238,373.00
Subconsullant: Strayer	(Survey)			\$0.00
Subconsultant: Universal	(Geotechni	cal)		\$0.00
Subconsullant Cumbey & Fair	(SUE local	es and designates	).	20 00
Subconsultant: Weller	(Utility desk		i e	\$20,484.67
Subconsultant: IF Rooks	(LAMP)			\$0,00
Subconsultant FTE	(Signals an	d Lighting)		\$ 575 218:00
Subconsultant: FL Acquistion & A	Approisal (Appraisals	)	dr 25	\$0.00
SUBTOTAL ESTIMATED FEE (L	UMP SUM);		CACT	\$286,025,67
Geotechnical Field and Lab Te	sting			\$0.00
SUBTOTAL ESTIMATED FEE (L	UMP SUM:			\$286,025,67
T&M Services Weller for Post D	asign Services			50.00
TEM Services FL Acquistion & A	Appraisal (Acquisition	is)		30,00
T&M Services American for Pos	t Design Services			\$0.00
T&M Services American Govern	ment Services Corporation	for Title Searches	ê	\$0.00
SUBTOTAL ESTIMATED FEE (T	IME AND MATERIALS, NO	TTO EXCEED):		50.00
GRAND TOTAL ESTIMATED FE	E:	File Colorado Portos (DV/HIPS		\$285,025.67

Price Boulevard – SA No 2 January 26, 2018

**Speed Study** 

## ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project County:

FPN:

MotionNo3 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

North Port

Consultant Name: FTE

Consultant No.: enter consultants proj. number

Date: 1/26/2018

FAP No.:	Total Staff	Project		Project				Staff Classi-	Staff Classi-	S. 22.		100		FTE		
Staff Classification	Hours From	Manager	Sr Engineer	Engineer	Designer'	Technician	Clerical	fication 7	fication 8	Staff Classi- fication 9	Staff Classi- fication 10	Staff Classi- fication 11	Staff Classi- fication 12	SH	Salary Cost By	Average Rate Per
	Firm"	\$180,00	\$165.00	\$130.00	\$96.00	\$65,00	\$60.00	SD 00 1	10,00	\$0.00	\$0.00	50.00	50,00	Activity	Activity	Task
Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	O		
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5. Geolechnical	0.	.0-	<sup>6</sup> 0	D	°0	-0		0	0	ō	. 0	0	0	0	so	#D[V/0]
Total Staff Hours	224	22	45.	.58	0.	90	-11	0.	O.	0 .	0	0.	0	224	30	MDIAMI
Total Staff Cost		\$3,960,00	«\$7,425.00	\$7,280,00	\$0.00	\$4:950.00	\$660.00	\$0,00	:S0.00*	'50.00'	50,00	\$0.00	\$0.00		\$24,275,00	\$108.37

	Check =	524,275.00	
			\$24,275.00
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<sup>1.</sup> 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 Projects

MotionNo3 PriceBlvd Widening from Sumter Blvd to Toledo Blade Blvd

County: FPN:

North Port

Consultant Name: FTE

Consultant No.: enter consultants proj. number

Date: 1/26/2018

FAP No.:	Total Staff					THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWIND TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN								FTE		
Staff Classification	Hours From	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	Salary Cost By	Average Rate Per
	Firm"	\$180.90	\$165.00	\$130,00	\$96.00	\$65.00	\$60.00	\$0.00	- 50,00	\$0.00	\$0.00	\$0.00	\$8,00	Activity	Activity	Task
. Project General and Project Common Tasks	0	0	0	D	0	0	0	0	0	0	0	0	0	0	SD	#DIV/01
. Roadway Analysis	.0.	0	10	, Ď	a	0	D	0	o:	0	0.:	'D	0	io l	so	#DIV/01
5. Roadway Plans	(0)	0	٥	ď	D	;a	(0)	"O»	.0*	.0	.D	0.	.0	o l	SO.	#DIV/01
ia. Drainage Analysis	O:	0	0	,o	0	.0	0.	:0:	0	. :0:	.0.	0	(0)	0	so	#DIV/0]
b, Drainage Plans	1.0	o	Ö	D	0	ò	.o.	.0.	0	0,	D.:	0	D.	0	SO:	#DIV/01
. Utilities	:,0	a	Ö	Ö	.0	'0'	D.	:07	o.	0.	D		. 0	0	-S0;	#DIV/01
. Environmental Permits, Compliance & Clearances	O	0	ď	'D	.0	-0	D1:	0.	o.	0	0	0-		i i	SO	#DIV/01
. Structures - Misc. Tasks, Dwgs, Non-Tech	0.	0	. 0	D	.0	īa	.0	0	ioi	0.	D	i io.	0	, ,	so:	#DIV/01
Structures - Bridge Development Report	0	0	0	D	0	ם	:o-	0	:0,	D:	10.	.0	. 0	1 2 1	so	#DIV/01
Structures - Temporary Bridge	0.	0	0	O	.0	.0	D	o.	0	0	0.	0	0.		*******	
2. Structures - Short Span Concrete Bridge	. 0"	0	0	0	6	0	0	0.	0.	D.	, D		- 89		\$0	#DIV/01_
3. Structures - Medium Span Concrete Bridge	0	0	0	D	0	.0	0	0	o.	0:	0	i io		0	SO.	#D[V/0]
4. Structures - Structural Steel Bridge	\:O:	0	0	0		70		0	0	0,	(0:	- E	-	0	SO.	#DIV/OI
5. Structures - Segmental Concrete Bridge	o o	0		0			0	0	0	-0:-		.0.	0)	0	SO-	#DIV/01
6. Structures - Movable Span	0	n	0	0				0	0	0.	0:	.0.		. 0	:\$0°	#DIVIO
7. Structures - Reteining Walls	-04		ä	b	70	0	0		01		.0;	0	D ·	. 0	×5011	WDIV/0]
8. Structures - Miscellaneous	n	n	0	'n			0	:0	0	-0.	0.	'D	²O,*	0	'SO:	#DIV/01
9. Signing & Pavement Marking Analysis	.0	n		0			n	.0	252	0. 0.	0	0	D	0	SO	#D[V/0]
0. Signing & Pavement Marking Plans	10		, ,	0	.0	0	U	325177 1	.0	0.	0	0	.D-'	0	SO.	#D[V/0]
1. Signalization Analysis	224	22	45	56.		- 90		0	.0	0.	0.	-0	,O .	0	SO:	#DIV/01
2. Signalization Plans	.0:		0	0		HO:	11:	:0	. 0.	iO.	.0.	_O;	· ``0:	224	\$24,275	\$108,37
3. Lighting Analysis:	.0.	4 193	0	0.00	0	0	.0	0	0.	٥٠	0.	Ö	:O -	a	\$0"	#D[V/0].
24. Lighting Plans	100		8 1	O.	.0	0	۵,	O-	, Q.	0"	0	0	:0:	0	20	#DIVIOI.
5. Landscape Architecture Analysis	/ <b>(0</b> )	0	9	0	٥	0	.0	o o	0	Ö	0	0	D-	0	'so	#DIV/O!
5. Landscape Architecture Analysis. 6. Landscape Architecture Plans:	od:		0	0	o	0	, D	0	Ό.	.0	,0:	: '0:	0	0	\$0	#DIVIO!
	.0'		٥	Ø	٥	0	,D	.0.	. D-	.0~	. 07	0	.jo≓	. 0	SD	#DIV/0!
7. Survey (Field & Office Support)	:0	Ö	0	ò	0	Ö	:0	:0:	16.	J 0.	0:	ю.	. 10:	0	SD	#DIV/0!"
8. Photogrammetry	O.	0	0	O.	0	.0	D.	10	:0 '	0	0	· O ·	۵.	a	so	#DIVIO!
9. Mapping	0;	0	0	0	0	Ö	D	70.1	10	. 0	0)	0.	·ú.	o	iso	#DIV/01
0. Terrestrial Mobile LIDAR	Q	0	0	O	.0	0	O.	.0	D;	.04	0	0	* <b>D</b> \	o l	450	#DIV/0!-
1. Architecture Development	. g	0	0	Ó	Ö	0	D	10 -	-0	0	0	.0.	О.	a	SD	#DIV/0!
2. Noise Barriers Impact Design Assessment	.o.	D.	ő	Ó	.0	:0	ā	.i.i.	0.	. 0	0.	0.	D.	0	.\$0	#DIV/0!
3. Intelligent Transportation Systems Analysis	0	ū	0	٥	0	o	(d	20,,	0	o.	o.	o,	D.	0	so	#DIV/01
4. Intelligent Transportation Systems Plans	< 0	0	0	o o	;0	0	.0	0	0	40 %	0	o.	. 0	0	\$0.	#DIV/01
5. Geolechnical	0	0	o l	0	0	.0	10	.0.		O/-	0	0.0	'D-		(SO)	#DIV/0!
Total Staff Hours	224	22	45.	. 56'	0	/90	শ্ব	10 ;	. 0	0	0	0	. 0	224		HIJV/U;
Total Staff Cost	NT.	\$3,960,00	\$7,425,00	\$7,280,00	50.00	\$4,950,00	\$660.00	\$0,00	\$0,00	\$0,00	\$0.00	/S0.00	: \$0.00	1	\$24,276,00	\$108,37

Notes:

\$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 (Fleld) 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: 924,275.00

<sup>1.</sup> This sheet to be used by Subconsultant to calculate its fee.

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

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	O.	N/A
21.4	System Timings	LS	ન	0	o	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	× <b>1</b>	0	Ö	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	Q 3	.0	N/A.
21.11	Cost Estimate	LS	1.	Q.E	0	N/A:
21.12	Technical Special Provisions	LS	1	Ο,	,0	N/Å-
21.13	Other Signalization Analysis	LS	1	0	0	N/A
	Sign	alization Ana	lysis Techni	cal Subtotal	169	
21,14	Field Reviews	LS	1	24	24	Inventory of Existing Conditions (2 reviews x.2 people @ 6hrs)
21.15	Technical Meetings	ĽS	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	
فجرعا	Signaliz	ation Analys	is Nontechn	ical Subtotal	48	

## Project Activity 21: Signalization Analysis

21.19 Coordination	LS.	%	3%	7	5
	21. Sigr	alization Ar	alysis 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 11
FDOT Traffic Design	EA	0	0 .	0		0
Power Company (service point coordination)	EA	0	2	Ö		0
Maintaining Agency (cities, counties)	EA	0	2	0		0
Rallroads	EA	0	0)	0.	10.52.700/20.	.0
Other Meetings - Speed Study	EA:	.O.	3	10:		0
Subtotal Technical Meetings			TOP A	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	4-6
Phase Review Meetings	EA	0	0	O	PM attendance at Phase Review Meetings is manually entered on General Task 3	L
Total Meetings				0	Total Project Manager Meetings (carries to Tab 3)	0

Carries to 21.15

Carries to Tab 3

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

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	11	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	10	0	N/A
21.4	System Timings	LS:	শ	oj.	0	N/A
21.5	Reference and Master Signalization Design File	PI	1	0	Ō	N/A
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	Ď	N/A
21.7	Overhead Street Name Sign Design	EA	1	0	0	N/A
21.8	Pole Elevation Analysis	ŁS.	1-	0	0	NIA
21.9	Traffic Signal Operation Report	LS	i	*0	0	N/A
21.10	Quantities	LS	1	O	ō	NIA:
21.11	Cost Estimate	LS'	1	Ö	0	NIA
21.12	Technical Special Provisions	LS'	1.	<b>5</b> 0	0	N/A
21.13	Other Signalization Analysis	Ŀs	1	10	0	N/A
	Sigr	alization Ana	alysis Techn	ical Subtotal	169	
21.14	Field Reviews	LS	1	24	24	Inventory of Existing Conditions (2 reviews x 2 people @ 6hrs)
21.15	Technical Meetings	ĽS	1	Ó	Ö	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	1%	7%	12	
	Signaliz	cation Analys	is Nontechn	ical Subtotal	48	

## Project Activity 21: Signalization Analysis

21.19 Coordination	LS	%	3%	7	
	21. Sigr	nalization Ar	alysis Total	224	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	O	00 -	0.		0
FDOT Traffic Design	EA	Q	300	0		[0]
Power Company (service point coordination)	EA.	iO:	2	-0.		0
Maintaining Agency (cities, countles)	EA	.0:	2,	:0:		10)
Railroads	EA	0	'O'	.0.	2	. '0'
Other Meetings - Speed Study	EA-	0	3	0		10
Subtotal Technical Meetings				0	Subtotal Project Manager Meetings	
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	ÆA.	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

						Remaining Fee		
	Contracted Rate		Proposed Rate	Distribution From	Remaining	at Proposed		
Classification	(June 2015) (1)	Proposed Rate (2)	Rounded (2)	Original Contract	Hours	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	1.1
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	

<sup>(1)</sup> Original work was to be completed in September 2016

<sup>(2)</sup> 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 I	For New Rates Through December 31, 2018:
CES/American =	\$180,492   168   193
FTE =	\$19,979
Weiler =	\$15,088
Total =	\$215,559 \$1.203, 260

	Price Boulev	ard Widening - F	Proposed Cont	ract Rates Throu	gh December 31	, 2019 - FTE		
pot eith suduming brands masses	-	The graph of the control of the cont	Conference in the set of the set of the conference of the conferen			,	Remaining Fee	
	Contracted Rate		Proposed Rate	Distribution From	Hours From	Remaining	at Proposed	
Classification	(June 2015) (1)	Proposed Rate (2)	Rounded (2)	Original Contract	Original Contract	Hours	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

<sup>(1)</sup> Original work was to be completed in September 2016

Hours billed through March 31, 2017 =

Original contracted hours =

SA 1 contracted hours =

Total contracted hours =

Remain contracted hours =

<sup>(2)</sup> Proposed rate valid through December 31, 2019

#### Price Boulevard Widening - Proposed Contract Rates Through December 31, 2019 - Weiler Remaining Fee Contracted Rate Proposed Rate Distribution From Remaining at Proposed Classification (June 2015) (1) Proposed Rate (2) Rounded (2) Original Contract Rate Hours Fee Increase Principal \$190.00 \$213.72 \$214.00 2.21% 24 \$5,054 \$567 \$163.11 \$163.00 Project Manager \$145.00 12.35% 132 \$21,514 \$2,375 \$145.00 Registered PE \$163.11 \$163.00 18.88% \$32,890 \$3,632 202 \$129.36 Registered El \$115.00 \$129.00 23.19% \$31,971 \$3,470 248 Sr. Designer \$112.49 \$112.00 \$100.00 17.48% 187 \$20,923 \$2,242 Designer \$90.00 \$101.24 \$101.00 20.28% 217 \$21,891 \$2,384 \$80.00 \$89.99 \$90.00 Technician 0.00% \$0 0 \$0 \$105,00 \$118.11 \$118.00 0.00% \$0 \$0 Sr. Construction Insp. 0 \$90.00 \$101.24 \$101.00 0.00% Construction Insp. 0 \$0 \$0 Clerical \$55.00 \$61.87 \$62.00 5.59% 60 \$3,704 \$418

1,069

100.0%

\$137,947

\$15,088

<sup>(2)</sup> 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

<sup>(1)</sup> Original work was to be completed in September 2016