City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
Engineering & Construction Management Division
214 N. Hogan Street, 10th Floor
Jacksonville, FL 32202
(904) 255-8762
www.coj.net

ONE CITY. ONE JACKSONVILLE.

December 3, 2018

TO: Gregory W. Pease, Chairman
Professional Services Evaluation Committee

THRU: John P. Pappas, P.E.
Director

12/17/18 08:34:16
Procurement Division

FROM: William J. Joyce, P.E.
Director of Operations

Ed Starnes, P.E., J.D.
Acting Chief, Engineering and Construction Management

SUBJECT: P-11-18 Professional Design Services for Preparation of DCP & RFP for Hart Expressway Modifications
Contract 10425-01 Amendment 1
PWCP32ERD549-069505-PW0262-02

Review of the existing data and requirements for completion of the design resulted in modifications to the initial anticipated limits for the project. These changes necessitated that we update our bridge load rating and conceptual strengthening details for the remaining steel spans. In addition, additional survey services are needed for the right-of-way transfer maps that support the Right-of Way Transfer Agreement between the City and the Florida Department of Transportation. The Engineering Division has negotiated with the consultant to provide these services resulting in the attached Scope of Services, Exhibit C and Fee Summary, Exhibit D. JSEB firms to be utilized to meet the 15% Participation Percentage Plan for this contract are detailed on a separate attachment.

Accordingly, this is to recommend that Contract Number 10425-01, originally executed August 21, 2018 between the City and STV, Incorporated for Professional Design Services for Preparation of DCP & RFP for Hart Expressway Modifications, be amended to incorporate the attached Scope of Services, Exhibit C and Fee Summary, Exhibit D, to increase the lump sum amount for Design Services by $104,218.54 to a new lump sum amount of $1,204,969.21 and to increase the not to exceed limit for Survey by $57,149.07 to a new limit of $300,333.61, thereby increasing the maximum indebtedness by $161,367.61 to a new maximum of $1,651,192.18. All other terms and conditions are as provided in the RFP and the City's standard contract language.

ES/lw

Attachment: Exhibits C & D
JSEB Participation

cc: Lori West, Contract Specialist

ab

EXHIBIT C

AMENDMENT #1 SCOPE OF SERVICES
PROFESSIONAL DESIGN SERVICES FOR PREPARATION OF DCP & RFP FOR HART EXPRESSWAY MODIFICATIONS

1.0 PURPOSE:

The purpose of this amendment is for STV Incorporated (CONSULTANT) to produce:

- Bridge load rating for the west steel bridge section of the Hart Expressway overpass that will remain after the expressway modifications are complete.
- Conceptual strengthening details for the remaining steel spans.
- R/W Transfer Maps for the R/W Transfer Agreement between the Florida Department of Transportation (FDOT) and the City of Jacksonville (COJ)

2.0 OBJECTIVE:

To accomplish the purpose, the CONSULTANT shall provide professional engineering services to support COJ in meeting these objectives:

1. Produce bridge load rating of existing structure in existing condition.
2. Design of conceptual strengthening details for remaining steel spans
3. Prepare R/W Transfer Maps
4. Survey soils boring locations
5. Survey East Pond

2.1 Schedule:

Unchanged

2.2 Submittals:

The CONSULTANT shall furnish bridge load rating and conceptual strengthening details as part of the Design Criteria Package. The CONSULTANT shall furnish R/W Transfer Maps.

2.3 Provisions for Work:

All maps, plans, reports, and designs are to be prepared with English values in accordance with the current FDOT Structures Design Guide and with current FDOT R/W Mapping guidance.

3.0 WORK TASKS, SERVICES, AND DELIVERABLES:

The work to accomplish the project purpose will be controlled via the previously submitted project schedule. These include activities to be performed by the CONSULTANT, COJ, FDOT, and/or other sub consultants are detailed below.

PROFESSIONAL SERVICES

ENGINEERING SERVICES

The following engineering services will be required:

1. Structural Analysis and Design
2. R/W Mapping
3. Design Survey

DELIVERABLES

1. Bridge Load Rating
2. Conceptual Strengthening Details
3. R/W Transfer Maps
4. Amended Design Survey

OTHER SERVICES

None.

4.0 PROJECT REQUIREMENTS:

4.1 Liaison Office

Unchanged.

4.2 Progress Reporting

Unchanged.

4.3 Quality Control

Unchanged.

4.4 Professional Endorsement

Unchanged.

4.5 Computer Automation

Unchanged.

4.6 Coordination with other Consultants

Not Applicable.

4.7 Optional Services

Not Applicable.

4.8 Services Not Included

Unchanged.

5.0 FEES

The grand total fee for the aforementioned services is $161,367.61. Fees for each firm on the CONSULTANT'S team are shown below:

Firm	Fee
STV Inc.	$104,218.54
DRMP Inc.	$57,149.07

A breakdown of the work effort associated with these fees is provided in Appendix A of this scope. Subconsultant fees will be performed as required on the basis indicated on the accompanying fee summary.

6.0 SERVICES TO BE PERFORMED BY OTHERS

Not Applicable

EXHIBIT D

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project Hart Bridge Modification D-B CDP/RFP	2. Proposal Number P-11-18
3. Name of Consultant STV Incorporated	4. Date of Proposal 10/9/2018

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Project Manager	$63.87	39	$2,490.93	
Principal	$98.04	0	$0.00	
Chief Engineer	$76.12	62	$4,719.44	
Senior engineer	$58.20	182	$10,592.40	
Design Engineer	$41.33	192	$7,935.36	
Designer	$40.66	0	$0.00	
CADD/Computer Tech	$26.93	144	$3,877.92	
Engineering Intern	$29.49	164	$4,836.36	
Clerical	$20.45	0	$0.00	
TOTAL DIRECT LABOR		783	Hours	$34,452.41
6. Overhead (Combined Fringe Benefit & Administrative)			175.00%	$60,291.72
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$94,744.13
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$9,474.41

PART III - OTHER COSTS

9. Miscellaneous Direct Costs	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	$0.00
10. SUBCONTRACTS (Lump Sum)	
SUB-CONTRACT SUB-TOTAL	$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)	$104,218.54
11. REIMBURSABLE COSTS (Limiting Amount)	
Survey & Mapping (DRMP) $57,149.07	
SUB-TOTAL REIMBURSABLES	$57,149.07

PART IV - SUMMARY

TOTAL AMOUNT OF AMENDMENT #6 (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$161,367.61**
12. PRIOR CONTRACT AMOUNT (Through Amendment # 1)	$1,489,824.57
AMENDED AMOUNT OF CONTRACT	**$1,651,192.18**

EBO FORM 1
SCHEDULE OF SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

Name of Proposer: **STV Incorporated**

Project Title: **Hart Bridge Modification D-B DCP/RFP**

Proposal Number: **P-11-18** Total Base Proposal Amount (if applicable): **$161,367.61**

***Please list all JSEBs first**

Full Company Name	JSEB Category (African-American, Women, Asian, Native American, Non-MBE or Hispanic)	Type of Work to be Performed	Total Contract Value or Percentage
CSI Geo, Inc.	African-American	Geotechnical Investigations	**$0.00**
Environmental Resource Solutions Inc.	Woman	Environmental Investigations	**$0.00**
Meskel & Associates Engineering	Woman	Contamination Screening	**$0.00**
Peters & Yaffee	African-American	Signal/Signing/Marking	**$0.00**
Cardno	Non-MBE	Utility Coordination	**$0.00**
DRMP Inc.	Non-MBE	Topo Survey & SUE	**$57,149.07**
POND Incorporated	Non-MBE	Landscape Architecture	**$0.00**
SEARCH Inc.	Non-MBE	Cultural Resource Evaluation	**$0.00**

Attach additional list of subcontractors/sub-consultants as needed

CONSULTANT/SUBCONTRACTOR/SUPPLIER TOTAL VALUES	
African-American Participation Total	**$0.00 (0%)**
Hispanic-American Participation Total	
Native-American Participation Total	
Asian-American Participation Total	
Woman Participation Total	**$0.00 (0%)**
Non-MBE Participation Total	**$161,367.61 (100%)**

The undersigned will enter into a formal Agreement with the JSEB Suppliers/Consultants/Subcontractors identified herein for work listed in this schedule conditioned upon execution of a contract with the City of Jacksonville. Under penalties of perjury I declare that I have read the foregoing conditions and instructions and the facts are true to the best of my knowledge and beliefs.

Signature of Proposer: J. Keith Jackson Title: STV Project Manager Date: November 28, 2018

Print Name: J. Keith Jackson, P.E.

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Hart Bridge Mod D-B DCP & RFP
COJ Project ID: P-11-18
STV Log Number 0064878

Consultant Name: STV Incorporated
Date: October 8, 2018
Estimator: TTH

Staff Classification	Hours From "SH Summary - Firm"	Project Manager	Principal	Chief Engineer	Senior Engineer	Design Engineer	Designer	CADD Operator	Engineering Intern	Clerical				SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$63.87	$98.04	$76.12	$58.20	$41.33	$40.66	$26.93	$29.49	$20.45						
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	84	4	0	13	42	17	0	4	4	0	0	0	0	84	$4,618	$54.97
10. Structures - Bridge Development Report	514	26	0	36	103	129	0	103	118	0	0	0	0	515	$21,981	$42.68
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
14. Structures - Structural Steel Bridge	184	9	0	13	37	46	0	37	42	0	0	0	0	184	$7,854	$42.68
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
Total Staff Hours	782	39	0	62	182	192	0	144	164	0	0	0	0	783		
Total Staff Cost		$2,490.93	$0.00	$4,719.44	$10,592.40	$7,935.36	$0.00	$3,877.92	$4,836.36	$0.00	$0.00	$0.00	$0.00		**$34,452.41**	**$44.00**

Check = $34,452.41

SALARY RELATED COSTS:			$34,452.41
OVERHEAD:		175%	$60,291.72
PROFIT:		10%	$9,474.41
SUBTOTAL ESTIMATED FEE:			**$104,218.54**
Subconsultant:	**Cardno**		$0.00
Subconsultant:	**CSI Geo**		$0.00
Subconsultant:	**DRMP**		$57,149.07
Subconsultant:	**ERS**		$0.00
Subconsultant:	**MAE**		$0.00
Subconsultant:	**Peters & Yaffee**		$0.00
Subconsultant:	**POND**		$0.00
Subconsultant:	**SEARCH**		$0.00
GRAND TOTAL ESTIMATED FEE:			**$161,367.61**

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Estimator:

Hart Bridge Mod D-B DCP & RFP
P-11-18

Representing	Print Name	Signature / Date

NOTE: Signature Block is optional, per District preference

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

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16	West End - Bridge No. 724XXX	698	514	0	0	0	184	0	0		
10-16	East End - Bridge No. 720114	0	0	0	0	0	0	0	0		
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									
10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									
10-16	Bridge 10	0									
17	Retaining Walls	0								0	
18	Miscellaneous Structures	0									0
	Structures Technical Subtotal	698	514	0	0	0	184	0	0	0	0

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments
9.11	Field Reviews	LS	1	0	0	N/A
9.12	Technical Meetings	LS	1	0	0	Meetings are listed below
9.13	Quality Assurance/Quality Control	LS	%	7%	49	
9.14	Independent Peer Review	LS	1	0	0	
9.15	Supervision	LS	%	5%	35	
	Structures Nontechnical Subtotal				84	
9.16	Coordination	LS	1	0	0	N/A
	9. Structures - Summary and Miscellaneous Tasks and Drawings				84	

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	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

Project Activity 10: BDR

Estimator:

Bridge Identifier (Number or Name):

Hart Bridge Mod D-B DCP & RFP

P-11-18

Representing	Print Name	Signature / Date

NOTE: Signature Block is optional, per District preference

For West Bridge

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	General Requirement						
10.1	Bridge Geometry	LS	0	0		0	N/A
10.2	Ship Impact Data Collection	LS	0	0		0	N/A
10.3	Ship Impact Criteria	EA	0	0		0	N/A
	Superstructure Alternatives						
10.4	Short Span Concrete Bridge	EA ALT	0	0		0	N/A
10.5	Medium Span Concrete Bridge	EA ALT	0	0		0	N/A
10.6	Long Span Concrete Bridge	EA ALT	0	0		0	N/A
10.7	Structural Steel Bridge	EA ALT	1	160		160	Unit 1 - Spans 21D thru 23D; Unit 2 - Spans 22A & 23A; Unit 3 - Spans 24DA & 25DA; Unit 4 - Spans 24MF & 25 MF; Unit 5 - Spans 26MF thru 28; Unit 6 - Spans 29 thru 33; Unit 7 - Span 34; Unit 8 - Spans 35 thru 37 **Assume analysis of Units 6 thru 8 only (i.e. effect of modification of Unit 8 will not propogate past Unit 6).** Preliminary design of one single-span curved steel girder unit = 80 hrs. Analysis of two additional curved steel girder units connected by hinges = 40 hrs. each (assumes 3D modeling for existing spans completed as part of load rating effort) Total = 80 hrs. + 2 * 40 hrs. = 160 hrs.

Project Activity 10: BDR

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Foundation & Substructure Alternatives						
10.8	Pier/Bent	EA Type	0	0		0	N/A
10.9	Shallow Foundations / GRS Abutments	EA Type	0	0		0	N/A
10.10	Deep Foundations	EA Foundation Evaluated	0	0		0	N/A
	Movable Span						
10.11	Data Collection and Design Criteria	LS	1	0		0	N/A
10.12	Movable Span Geometrics and Clearances	LS	1	0		0	N/A
10.13	Deck System Evaluation	LS	1	0		0	N/A
10.14	Framing Plan Development	LS	1	0		0	N/A
10.15	Main Girder Preliminary Design	LS	1	0		0	N/A
10.16	Conceptual Span Balance/Counterweight	LS	1	0		0	N/A
10.17	Support System Development	LS	1	0		0	N/A
10.18	Drive Power Calculations	LS	1	0		0	N/A
10.19	Drive System Development	LS	1	0		0	N/A
10.20	Power and Control Development	LS	1	0		0	N/A
10.21	Conceptual Pier Design	LS	1	0		0	N/A
10.22	Foundation Analysis (FL PIER)	LS	1	0		0	N/A
10.23	Tender Visibility Study	LS	1	0		0	N/A

Project Activity 10: BDR

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Other BDR Issues						
10.24	Aesthetics	LS	0	0		0	See Task 9 - Coordination.
10.25	TCP/Staged Construction Requirements	LS	0	0		0	N/A
10.26	Constructibility Requirements	LS	0	0		0	N/A
10.27	Load Rating for damaged/widened structures	EA Unit	3	118		354	Load rating of existing structure in existing condition consistent with the requirements of SDG 7.1.1. **Assume load rating of Units 6 thru 8 only. Model Unit 5 to determine Unit 6 reactions at hinge. Remaining existing spans not affected by the proposed modifications will be load rated by the Design-Build Firm during final design.** 40 hrs. Unit 5 (Modeling Only) + 80 hrs. Unit 6 + 120 hrs. Unit 7 (Integral Piers) + 80 hrs. Unit 8 = 320 hrs. 4 Field Splices x 8 hrs. each = 32 hrs. Total = 320 hrs. + 32 hrs. = 352 hrs., Say 354 hrs.
10.28	Quantity and Cost Estimates	EA ALT	0	0		0	N/A
10.29	Quantity and Cost Estimates - Movable Span	LS	0	0		0	N/A
10.30	Wall Type Justification	LS	0	0		0	N/A
	Report Preparation						
10.31	Exhibits	EA SHEET	0	0		0	
10.32	Exhibits - Movable Span	EA SHEET	0	0		0	
10.33	Report Preparation	LS	0	0		0	
10.34	Report Preparation - Movable Span	LS	0	0		0	
10.35	BDR Submittal Package	LS	0	0		0	
	10. Structures - Bridge Development Report Total					**514**	
	When ONLY 30% plans are final deliverable, use Task Nos. as shown for applicable bridge types for project Activities 12 thru 16. Staffhours to be negotiated and scaled appropriately.						

Project Activity 14: Structures -Structural Steel

Estimator:

Bridge Identifier (Number or Name):

Hart Bridge Mod D-B DCP & RFP

P-11-18

Representing	Print Name	Signature / Date

NOTE: Signature Block is optional, per District preference

For West Bridge

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	General Layout Design and Plans						
14.1	Overall Bridge Final Geometry	LS	0	0		0	N/A
14.2	Expansion/Contraction Analysis	EA Unit	0	0		0	N/A
14.3	General Plan and Elevation	Sheet	0	0	0	0	N/A
14.4	Construction Staging	Sheet	0	0	0	0	N/A
14.5	Approach Slab Plan and Details	Sheet	0	0	0	0	N/A
14.6	Miscellaneous Details	Sheet	2	32	2	64	Develop conceptual strengthening details for existing steel spans.
	End Bent Design and Plans						
14.7	End Bent Geometry	EA Bent	0	0		0	N/A
14.8	Wingwall Design and Geometry	EA Bent	0	0		0	N/A
14.9	End Bent Structural Design	EA Design	0	0		0	N/A
14.10	End Bent Plan and Elevation	Sheet	0	0	0	0	N/A
14.11	End Bent Details	Sheet	0	0	0	0	N/A

Project Activity 14: Structures -Structural Steel

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Intermediate Bent Design and Plans						
14.12	Bent Geometry	EA bent	0	0		0	N/A
14.13	Bent Stability Analysis	EA design	0	0		0	N/A
14.14	Bent Structural Design	EA design	0	0		0	N/A
14.15	Bent Plan and Elevation	Sheet	0	0	0	0	N/A
14.16	Bent Details	Sheet	0	0	0	0	N/A
	Pier Design and Plans						
14.17	Pier Geometry	EA pier	0	0		0	N/A
14.18	Pier Stability Analysis	EA design	0	0		0	N/A
14.19	Pier Structural Design	EA design	0	0		0	N/A
14.20	Pier Plan and Elevation	Sheet	0	0	0	0	N/A
14.21	Pier Details	Sheet	0	0	0	0	N/A
	Miscellaneous Substructure Design and Plans						
14.22	Foundation Layout	Sheet	0	0	0	0	N/A
	Superstructure Deck Design and Plans						
14.23	Finish Grade Elevation (FGE) Calculation	LS	0	0		0	N/A
14.24	Finish Grade Elevations	Sheet	0	0	0	0	N/A
14.25	Bridge Deck Design	EA section	0	0		0	N/A
14.26	Bridge Deck Reinforcing and Concrete Quantities	EA Unit	0	0		0	N/A
14.27	Superstructure Plan	Sheet	0	0	0	0	N/A
14.28	Superstructure Section	Sheet	0	0	0	0	N/A
14.29	Miscellaneous Bridge Deck Details	Sheet	0	0	0	0	N/A

Project Activity 14: Structures -Structural Steel

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Reinforcing Bar Lists						
14.30	Preparation of Reinforcing Bar List	Sheet	0	0	0	0	N/A
	Structural Steel Plate Girder Design						
14.31	Unit Modeling	EA Unit	0	0		0	N/A
14.32	Section Design	EA Unit	1	120		120	Design of conceptual strengthening details for existing steel spans.
14.33	Stiffener Design and Locations	EA Unit	0	0		0	N/A
14.34	Cross-Frame Design	EA Unit	0	0		0	N/A
14.35	Connections	EA Unit	0	0		0	N/A
14.36	Bearing Assembly Design and Detailing (with Jacking Analysis)	EA Unit	0	0		0	N/A
14.37	Splice Design	EA Unit	0	0		0	N/A
14.38	Shear Stud Connectors	EA Unit	0	0		0	N/A
14.39	Deflection Analysis	EA Unit	0	0		0	N/A
14.40	Framing Plan	Sheet	0	0	0	0	N/A
14.41	Girder Elevation	Sheet	0	0	0	0	N/A
14.42	Structural Steel Details	Sheet	0	0	0	0	N/A
14.43	Splice Details	Sheet	0	0	0	0	N/A
14.44	Girder Deflections and Camber	Sheet	0	0	0	0	N/A

Project Activity 14: Structures -Structural Steel

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Structural Steel Box Girder Design						
14.45	Unit Modeling	EA Unit	0	0		0	N/A
14.46	Section Design	EA Unit	0	0		0	N/A
14.47	Stiffener Design and Locations	EA Unit	0	0		0	N/A
14.48	Interior Cross-Frame Design	EA Unit	0	0		0	N/A
14.49	Exterior Cross-Frame Design	EA Unit	0	0		0	N/A
14.50	Connections	EA Unit	0	0		0	N/A
14.51	Bearing Assembly Design and Detailing (with Jacking Analysis)	EA Unit	0	0		0	N/A
14.52	Splice Design	EA Unit	0	0		0	N/A
14.53	Shear Stud Connectors	EA Unit	0	0		0	N/A
14.54	Deflection Analysis	EA Unit	0	0		0	N/A
14.55	Framing Plan	Sheet	0	0	0	0	N/A
14.56	Girder Elevation	Sheet	0	0	0	0	N/A
14.57	Structural Steel Details	Sheet	0	0	0	0	N/A
14.58	Splice Details	Sheet	0	0	0	0	N/A
14.59	Girder Deflections and Camber	Sheet	0	0	0	0	N/A
	Erection Scheme						
14.60	Erection scheme analysis	EA Critical Stage	0	0		0	N/A
14.61	Erection scheme	Sheet	0	0	0	0	N/A
	Load Rating						
14.62	Load Rating	EA Unit	0	0		0	See Task 10
	14. Structures - Structural Steel Bridge Total				**2**	**184**	

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project Hart Bridge Modification D-B DCP/RFP	2. Proposal Number P-11-18
3. Name of Consultant DRMP, Inc.	4. Date of Proposal 11/28/2018

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Senior (PSM)	$60.58	28	$1,696.24	
Project (PSM)	$48.08	94	$4,519.52	
Survey Tech	$36.06	154	$5,553.24	
Secretary/Clerical	$22.54	7	$157.78	
3-Man Survey Crew	$55.34	160	$8,854.70	
TOTAL DIRECT LABOR		443	Hours	$20,781.48
6. Overhead (Combined Fringe Benefit & Administrative)			150.00%	$31,172.22
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$51,953.70
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$5,195.37

PART III - OTHER COSTS

9. Miscellaneous Direct Costs	$0.00 $0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$0.00
10. SUBCONTRACTS (Lump Sum)		
SUB-CONTRACT SUB-TOTAL		$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$57,149.07
11. REIMBURSABLE COSTS (Limiting Amount)		
SUB-TOTAL REIMBURSABLES		$0.00

PART IV - SUMMARY

TOTAL AMOUNT OF AMENDMENT #6 (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$57,149.07**
12. PRIOR CONTRACT AMOUNT (Through Amendment # 1)	
AMENDED AMOUNT OF CONTRACT	**$57,149.07**

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: COJ - Hart Expressway - Adams Street and Monroe Control Maps From Main Street to Hart Expressway Ramps
County: Duval
FPN: N/A
FAP No.: N/A

Consultant Name: DRMP, Inc.
Consultant No.: enter consultants proj. number
Date: 11/28/2018
Estimator: Glenn J. Lusink, PSM

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Project Manager	Senior Surveyor & Mapper	Surveyor & Mapper	Survey Technician	Secretarial / Clerical	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$166.60	$166.60	$132.22	$99.17	$61.99	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
27. Survey (Field & Office Support)	99	0	5	30	62	2	0	0	0	0	0	0	0	99	$11,072	$111.84
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
29. Mapping	184	0	23	64	92	5	0	0	0	0	0	0	0	184	$21,727	$118.08
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
Total Staff Hours	283	0	28	94	154	7	0	0	0	0	0	0	0	283		
Total Staff Cost		$0.00	$4,664.66	$12,428.69	$15,271.42	$433.90	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		**$32,798.67**	**$115.90**

Check = $32,798.67

Survey Field Days by Subconsultant
3 - Person Crew:

SALARY RELATED COSTS:					$32,798.67
OVERHEAD:		0%			$0.00
OPERATING MARGIN:		0%			$0.00
FCCM (Facilities Capital Cost Money):		0.00%			$0.00
EXPENSES:		0.00%			$0.00
Survey (Field - if by Prime)	16	3-man crew days @	$ 1,521.90	/ day	$24,350.40
SUE Services	0	3-man crew days @	$ 1,400.00	/ day	$0.00
SUBTOTAL ESTIMATED FEE:					**$57,149.07**
Geotechnical Field and Lab Testing					$0.00
SUBTOTAL ESTIMATED FEE:					**$57,149.07**
Optional Services					$0.00
GRAND TOTAL ESTIMATED FEE:					**$57,149.07**

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

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name	Glenn J. Lusink, PSM	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.1	Horizontal Project Control (HPC)									Set additional control from end of Design Survey to Main St and tie into Primary Control from CAICE Database 7200039 at Main Street in support of Control Maps / Boundary R/W for Adams Street & Monroe Street
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile	1.00	2.00	2.00	1.25	2.50	4.00	8.00	
	Interstate	Mile			0.00		0.00		0.00	
27.2	Vertical PC / Bench Line									N/A
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.3	Alignment and Existing R/W Lines									Recover Block Corners and Boundary for alignment and R/W determination for Adams Street & Monroe Street to the ramps acessing the Hart Expressway From Liberty Street to A.P. Randolph Street.
		Mile	2.00	2.00	4.00	1.25	5.00	4.00	16.00	
27.4	Aerial Targets			Units/Day						N/A
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
27.5	Reference Points	"A"		Units/Day						Set Reference Points for Alignment(s) of Baselines For Adams Street & Monroe Street From Liberty Street to Main Street.
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA	6.00	6.00	1.00	1.25	1.25	4.00	4.00	
	Interstate	EA			0.00		0.00		0.00	
	Reference Points	"B"		Units/Day						
	Non Alignment Points/Approximate	EA			0.00		0.00		0.00	

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.6	Topography/DTM (3D)									N/A
		Mile			0.00		0.00		0.00	
27.7	Planimetric (2D)									N/A
		Mile			0.00		0.00		0.00	
27.8	Roadway Cross-Sections/Profiles									N/A
		Mile			0.00		0.00		0.00	
27.9	Side Street Surveys									
		Mile			0.00		0.00		0.00	
27.10	Underground Utilities									N/A
	Designates	Mile/Site			0.00		0.00		0.00	
	Locates	Point			0.00		0.00		0.00	
	Survey			0.00	0.00		0.00		0.00	
27.11	Outfall Survey									N/A
		Mile			0.00		0.00		0.00	
27.12	Drainage Survey			Units/Day						N/A
		EA			0.00		0.00		0.00	
27.13	Bridge Survey									N/A
	Minor / Major	EA			0.00		0.00		0.00	
27.14	Channel Survey									N/A
		EA			0.00		0.00		0.00	

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.15	Pond Site Survey									N/A
		EA			0.00		0.00		0.00	
27.16	Mitigation Survey									N/A
		Mile			0.00		0.00		0.00	
27.17	Jurisdiction Line Survey									N/A
		Mile			0.00		0.00		0.00	
27.18	Geotechnical Support			Units/Day						N/A
		EA			0.00		0.00		0.00	
27.19	Sectional / Grant Survey									Grants / Section lines to be shown graphical only. See mapping Tab 29.2
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.20	Subdivision Location									Subdivision and parcel ties to establish right of way lines around blocks of Adams Street and Monroe Street.
		Block	14	0.5	7.00	1.25	8.75	4.00	28.00	
27.21	Maintained R/W									N/A
		Mile			0.00		0.00		0.00	
27.22	Boundary Survey									N/A
		EA			0.00		0.00		0.00	
27.23	Water Boundary Survey									N/A
		EA			0.00		0.00		0.00	
27.24	R/W Staking / R/W Line									N/A
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	N/A
27.25	R/W Monumentation									N/A
		Point			0.00		0.00		0.00	
27.26	Line Cutting									N/A
		Mile			0.00					
27.27	Work Zone Safety									MOT as required
			0.125	14.00	1.75					
27.28	Miscellaneous Surveys									Miscellaneous Surveys days for additional survey services if needed at the discretion of the District PM & Design Engineer. (Limiting Amount)
					0.00		0.00		0.00	
	Survey Subtotal			**Crew Days**	**16**	**Field Support Hours**	**18**	**Office Support Hours**	**56**	
27.29	Supplemental Surveys									THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
				16	0		0		0	
27.30	Document Research	Units								Research Plats and Deeds to establish R/W Lines as needed
			8.00						8	
27.31	Field Reviews	Units								

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
			8.00						8	
27.32	Technical Meetings	LS								
			0.00						0	
27.33	Quality Assurance / Quality Control	LS								
								5%	3	
27.34	Supervision	LS								
								5%	4	
27.35	Coordination	LS								
								3%	2	
			27. Survey Total	Crew Days	16	Field Support Hours	18	Office Support Hours	81	

SPLS =
PLS =
Office Support =
Total Hours = 99

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Kickoff Meeting with FDOT	EA	0	0	0		0
Baseline Approval Review	EA	0	0	0		0
Network Control Review	EA	0	0	0		0
Vertical Control Review	EA	0	0	0		0
Local Governments (cities, counties)	EA	0	0	0		0
Final Submittal Review	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				**0**	**Subtotal PM Meetings**	0
Progress Meetings (if required by FDOT)	EA	0	0	0	**	- -
Phase Review Meetings	EA	0	0	0	**	- -
Total Meetings				**0**	**Total PM Mtgs (carries to Tab 3)**	**0**
				Carries to 27.32		Carries to Tab 3

Note:
Survey crew days are based on a 3 Man (10 hour day)

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

29. Mapping

Estimator:Brandon Robbins

COJ - Hart Expressway - Adams Street and Monroe Control Maps From Main Street to Hart Expressway Ramps
N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name	Glenn J. Lusink, PSM	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Master CADD File						
29.1	Alignment	Mile	1.43	2		3	Alignment creation and approval through FDOT D2 -
29.2	Section and 1/4 Section Lines	Section	5	2		10	Draft in Section / Grant lines per Government Land Office Field Notes (Show Graphically)
29.3	Subdivisions / Property Lines	EA	16	2		32	Draft City Side streets to determine Blocks / Parcels
29.4	Existing R/W	Mile	0	0		0	N/A
29.5	Topography	Mile	0	0		0	N/A
29.6	Parent Tract Properties/Existing Easements	Parcel	0	0		0	N/A
29.7	Proposed R/W Requirements	Parcel	0	0		0	N/A
29.8	Limits of Construction	Mile	0	0		0	N/A
29.9	Jurisdictional/Agency Lines	Linear Mile	0	0		0	N/A
	Sheet Files						
29.10	Control Survey Cover Sheet	Sheet	1	12		12	One (1) Control Survey Cover Sheet (To FDOT standards)
29.11	Control Survey Key Sheet	Sheet	1	16		16	One (1) Control Survey Key Sheet (To FDOT standards)
29.12	Control Survey Detail Sheet	Sheet	2	24		48	Six (6) Control Survey Map Detail Sheets (To FDOT standards)
29.13	R/W Map Cover Sheet	Sheet	0	0		0	N/A
29.14	R/W Map Key Sheet	Sheet	0	0		0	N/A
29.15	R/W Map Detail Sheet	Sheet	0	0		0	N/A
29.16	Maintenance Map Cover Sheet	Sheet	0	0		0	N/A
29.17	Maintenance Map Key Sheet	Sheet	0	0		0	N/A
29.18	Maintenance Map Detail Sheet	Sheet	0	0		0	N/A
29.19	Reference Point Sheet	Sheet	1	16		16	One (1) Baseline references sheet
29.20	Project Network Control Sheet	Sheet	0	0		0	N/A
29.21	Table of Ownerships Sheet	Sheet	0	0		0	N/A

29. Mapping

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Miscellaneous						
29.22	Parcel Sketches	Parcel	0	0		0	N/A
29.23	TIITF Sketches	Parcel	0	0		0	N/A
29.24	Other Specific Purpose Survey Map	EA	0	0		0	N/A
29.25	Boundary Survey(s) Map	EA	0	0		0	N/A
29.26	R/W Monumentation Map	Sheet	0	0		0	N/A
29.27	Title Search Map	LS	0	0		0	N/A
29.28	Title Search Report	LS	0	0		0	N/A
29.29	Legal Descriptions	Parcel	0	0		0	N/A
29.30	Final Maps/Plans Comparison	Sheet	0	0		0	N/A
				Mapping Technical Subtotal	**0**	**137**	
29.31	Field Reviews	EA	2	4		8	Up to 2 Field reviews, pre and post Survey effort
29.32	Technical Meetings	LS	0	0		16	Per technical meetings noted below
29.33	Quality Assurance/Quality Control	EA	%	5%		7	**Perform QA/QC checks on all survey mapping data**
29.34	Supervision	EA	%	5%		7	**Supervision of CAD technicians and Field Crews**
				Mapping Nontechnical Subtotal		**38**	
29.4	Coordination	LS	%	5%		9	
29.4	Supplemental Mapping	LA	%	0%		0	
				29. Mapping Total	**0**	**184**	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Kickoff meeting	EA	1	4	4	yes	0
Control map review	EA	2	4	8	yes	0
45/60/90/final map review	EA	0	4	0		0
Other meetings	EA	1	4	4	yes	0
Subtotal Technical Meetings				**16**	**Subtotal Project Manager Meetings**	0
Progress Meetings (if required by FDOT)	EA	0	4	0	*PM attendance at Progress Meetings is manually entered on General Task 3*	- -
Phase Review Meetings	EA	0	4	0	*PM attendance at Phase Review Meetings is manually entered on General Task 3*	- -
Total Meetings				**16**	**Total Project Manager Meetings (carries to Tab 3)**	**0**

Carries to 29.32

Carries to Tab 3