


CENTRAL FLORIDA EXPRESSWAY AUTHORITY

MEMORANDUM

TO: CFX Board Members

FROM: Aneth Williams 
Director of Procurement

DATE: August 23, 2016

SUBJECT: Authorization for Approval of Supplemental Agreement No. 7
SR 408 / SR 417 Ultimate Interchange Improvements
Project 253F, Contract No. 000818

Board approval is requested for Supplemental Agreement No. 7 with URS Corporation Southern in the not-to-exceed amount of \$79,270.88.

The design for Project 253F began in January 2012 and was placed on hold at the 100% plans stage in June 2013 awaiting funding to move forward into the construction phase. The FY 2015 to FY 2019 Five-Year Work Plan (adopted in September 2014) provided funding for a phased construction approach for this project. In November 2014, efforts began to prepare a final set of design documents for the Phase 1 construction project. Phase 1 design plans were complete in October 2015 and construction of Phase 1 is currently underway. The FY 2017 to FY 2021 Five-Year Work Plan (adopted in May 2016) includes funding for completion of the Phase 2 final design plans and construction. Phase 2 construction is the final phase of work associated with the S.R. 408 / S.R. 417 Ultimate Interchange Improvements, Project 253F.

The scope of work contemplated in this Supplemental Agreement consists of preparation of a Design-Build Criteria Package for use in advertising Phase 2 construction as a Design-Build project. The Phase 2 project includes the interchange ramps and bridges for the following movements: westbound S.R. 408 to southbound S.R. 417, eastbound S.R. 408 to southbound S.R. 417, northbound S.R. 417 to westbound S.R. 408 and southbound S.R. 417 to eastbound S.R. 408.

This Supplemental Agreement No. 7 will be a continuation of an agreement previously approved. (Original Agreement dated November 11, 2011)

Original Contract Amount	\$5,000,000.00
Supplemental Agreement No. 1	\$550,000.00
Supplemental Agreement No. 2	\$0.00
Supplemental Agreement No. 3	\$259,048.79
Supplemental Agreement No. 4	\$0.00
Supplemental Agreement No. 5	\$0.00
Supplemental Agreement No. 6 (Phase 1 Post Design)	\$361,091.19
Supplemental Agreement No. 7	<u>\$79,270.88</u>
Total Revised Contract Amount	\$6,249,410.86

Reviewed by: 
Glenn Pressimone, PE
Director of Engineering

4974 ORL TOWER RD. ORLANDO, FL 32807 | PHONE: (407) 690-5000 | FAX: (407) 690-5011



Project Location Map for
SR 408 / SR 417 Ultimate Interchange Improvements (Phase 2)(253F)

SUPPLEMENTAL AGREEMENT NO. 7
TO
AGREEMENT FOR PROFESSIONAL SERVICES
FINAL DESIGN
SR 408 / SR 417 ULTIMATE INTERCHANGE IMPROVEMENTS

THIS SUPPLEMENTAL AGREEMENT is made and entered into this _____ day of _____, 2016, by and between the CENTRAL FLORIDA EXPRESSWAY AUTHORITY (F/K/A ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY), an agency of the State of Florida, hereinafter called "CFX" and the consulting firm of URS CORPORATION SOUTHERN. of Orlando, Florida, hereinafter called the "CONSULTANT".

WHEREAS, Articles 2.00 and 12.0 of the Agreement for Professional Services between CFX and the CONSULTANT, dated the 14th Day of November 2011, provides that in the event that CFX shall change the amount of work in Exhibit "A" of the said Agreement for Professional Services, the fees to be paid to the CONSULTANT shall be subject to adjustment as shall be mutually agreed upon:

NOW, THEREFORE, BE IT RESOLVED THAT:

1. CFX hereby authorizes the CONSULTANT to proceed with additional services as outlined in the CONSULTANT'S August 23, 2016 correspondence to CFX, which is attached hereto and made a part of this Supplemental Agreement.
2. Exhibit "B", Article 2.00 of the Agreement for Professional Services is amended as follows:
 - a. The Salary related costs are adjusted upwards by \$66,765.37 to \$3,631,843.44.
 - b. Direct Expenses remain unchanged at \$108,894.65.
 - c. The Field Survey costs remain unchanged at \$173,943.53.
 - d. The Subcontract Items are adjusted upward by \$12,505.51 to \$1,973,638.05.

• Ardaman & Associates	\$3,015.24
• RS&H	\$5,079.70
• WBQ	\$4,410.57
 - e. The Allowance remains unchanged at \$0.
 - f. The total Maximum Limiting Amount is increased by \$79,270.88 to \$5,888,319.67.
3. All provisions of said Agreement for Professional Services, or any Supplements thereto, not modified by the above, shall remain in full force and effect, the same as if they had been set forth herein. In the event of a conflict between the provisions of this Supplemental Agreement and of the said Agreement for Professional Services, or any Supplements thereto, the provisions of this

Supplemental Agreement, to the extent such provision is reasonable, shall take precedence.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed, in triplicate, the day and year first above written.

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Attest: _____
Assistant Secretary

By: _____
Director of Procurement

URS CORPORATION SOUTHERN

Attest: _____
Print Name:

By: _____
Title:

Approved as to form and execution only.

General Counsel for CFX

Exhibit A

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SCOPE OF SERVICES

FOR

S.R. 408/ S.R. 417 ULTIMATE INTERCHANGE IMPROVEMENTS

CONTRACT SUPPLEMENT NO. 7

PROJECT NO. 253F

ORANGE COUNTY, FLORIDA

August 23, 2016

TABLE OF CONTENTS

	Description	<u>Page No.</u>
1.0	GENERAL	
1.02	Description	A-3
4.0	WORK PERFORMED BY CONSULTANT	
4.13	Structures Design	A-3
4.25	RFP Development	A-3
7.00	Administration	A-5

1.0 GENERAL

1.02 Description

The services to be provided under this Contract Amendment are to develop an Request For Proposal (RFP) to procure a Design-Build Firm for the design and construction of Phase 2 of the S.R. 408 / S.R. 417 ultimate interchange improvements. This is expected to be a Low Bid Design-Build selection.

4.0 WORK PERFORMED BY CONSULTANT

The Consultant shall be responsible for the work outlined in this Section. The work shall conform to the standards, criteria, and requirements of this Scope of Services.

4.13 Structures Design

1. Development of signed and sealed Structure plans for Ramp A, Ramp A/D1 and Ramp C.

The Consultant shall re-package, renumber sheets, change sheet border references to reflect the new name of CFX, and provide CFX signed and sealed structure plans for the proposed concrete U-beam Ramp A, Ramp A/D1 and Ramp C bridges. Some plan notes will be revised to reflect lessons learned from the Boggy Creek project. Lessons learned that would result in changes to the analysis or detailing are excluded from the plans but can be incorporated into the RFP. The design is according to the January 2013 FDOT Structures Manual, and no modifications or updates will be made based on requirements of more recent Design codes.

4.25 RFP Development

1. Data Collection

The Consultant shall meet with CFX's Project Manager to review available information on the project, including but not limited to, existing plans, geotechnical information, permits, typical sections, pavement design, design calculations, and other pertinent information. This information shall be used as the basis for the development of the RFP package. The Consultant shall meet with CFX's Project Manager, other appropriate technical staff to determine the critical elements of the project, specifically those elements that should not be revised by the Design-Build Firm.

2. Request for Proposal (RFP) Boilerplate Review

CFX will obtain the latest version of the Low-Bid Request for Proposal boilerplate document from Florida Department of Transportation (FDOT) State Construction Office. Consultant shall review the boilerplate and suggest edits to reflect the requirements of a Design-Build procurement by CFX. The review and edits will focus on elements of the RFP

boilerplate where CFX may vary from FDOT practices. Elements include but are not limited to the Schedule of Events, Submittals, Technical Proposals, FHWA involvement, and specifications. The edited Boilerplate will be reviewed with CFX staff for concurrence prior to incorporating project specific criteria and constraints.

The Consultant shall also work with CFX to define those items in the design that may or may not be changed by the Design-Build Firm, including the definition of the specific design criteria and requirements to be included for the roadway, bridges, drainage, signing, pavement markings, lighting, ITS, and other major project elements. It is anticipated that this may involve a series of meetings with various engineering and construction staff of CFX and their consultants to fully vet the project requirements.

3. Develop Draft Project Request for Proposal

The Consultant shall prepare a draft Request for Proposal for the Project. The package will be prepared using the modified RFP boilerplate described in Task 2 above. Project specific elements for the design and construction of the S.R. 408 / S.R. 417 ultimate interchange improvements will be included in the draft RFP. The Consultant shall work closely with CFX in establishing the time line for the project as well as the definition of the risks to be assumed by the Design-Build Firm and the risks to be assumed by CFX.

4. Review Draft RFP with CFX

The Consultant shall review the draft RFP with representatives of CFX. Comments shall be received, reviewed and concurrence achieved.

5. Review of Design-Build General Specifications

The Consultant shall review the General Specifications for the S.R. 408 / S.R. 417 ultimate interchange improvements Design-Build project prepared by CFX. The review of the project General Specifications will ensure the RFP and General specifications are compatible and consistent with a Design-Build construction contract.

6. Prepare Final Draft RFP Document

The Consultant shall update the Draft RFP document to incorporate the comments from CFX. The Final Draft RFP document will be submitted to CFX for review and concurrence and will include a complete list of Attachments and available Reference Documents. Upon concurrence the Final Draft RFP document will be submitted to CFX to be included with the project advertisement.

7. Prepare Final RFP Package

The Consultant shall update the Final Draft RFP document to incorporate any comments received from CFX. The Final RFP package will be submitted to CFX with the appropriate

Attachments and Reference Documents for distribution to the shortlisted Design-Build Firms. The final submittal shall be in electronic format on CD or DVD to contain all required information.

8. Advertisement Support

The Consultant shall support CFX during the advertisement period. This support shall include, but not be limited to, assisting CFX staff responding to questions from potential Design-Build Firms, preparation of RFP Addenda, and other assignments as identified by CFX staff.

7.00 ADMINISTRATION

7.01 Project Control – The Consultant shall provide project control services for an estimated three (3) months contract time.

C. SERVICES TO BE PROVIDED BY CFX

The following services will be provided by CFX to assist The Consultant in the completion of the assigned tasks:

1. Attendance at project meetings.
2. Assistance in obtaining information from other CFX consultants.
3. Obtain latest version of Low Bid Design Build RFP from FDOT State Construction Office.
4. Review of the draft and final documents.
5. Concurrence on comments on the submittals.
6. Concurrence on risk elements and project schedule.
- 7.
8. Development of construction specifications for the Design-Build Project

D. LENGTH OF SERVICES

The beginning date of the services shall be the date of authorization for this work order. The services shall be completed by December 31, 2016.

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Project Number: 253F

DESCRIPTION: SR 408/SR 417 Ultimate Interchange Phase 2 (CONTRACT SUPPLEMENT NO. 7)

URS Corporation
CFX Contract No.: 000818

SUMMARY FEE SHEET

CONTRACT SECTION	ACTIVITY MANHOURS	Project Manager	Deputy PM	Senior Engineer	Engineer	Sr. Roadway Technician	Roadway Technician	Clerical	Classification 8	Classification 9	Classification 10	Total Manhours	Total Cost	Avg. Rate
402 & 409	Governmental Agencies & Public Meetings	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
403	Preliminary Design Report-Review	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
404	Surveys and Mapping	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
405	Geotechnical Investigation	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
406	Contamination Impact Analysis	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
407	Pavement Design	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
408	Borrow Pits	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
410	Environmental Permits	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
411	Utilities	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
412	Roadway Design	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
413	Structures Design	6	19	47	47	47	19	4	0	0	0	189	\$9,212.26	\$48.86
414	Drainage Design	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
415	Roadway Lighting	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
416	Traffic Engineering	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
417 & 418	Signal & Pav't Marking Plans	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
419	Right-of-Way Surveys	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
420	Cost Estimates	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
421	Special Provisions and Specifications	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
422	Fiber Optic Network (FON)	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
423	Toll Plazas	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
424	Post Design Services	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
425	RFP Development	98	98	92	33	0	0	6	0	0	0	327	\$22,590.03	\$69.08
700	Administration	14	4	4	7	2	0	5	0	0	0	36	\$2,325.13	\$64.59
TOTAL MANHOURS		118	121	143	87	49	19	15	0	0	0	552		
WAGE RATES		\$93.60	\$61.88	\$63.88	\$38.91	\$39.66	\$35.06	\$32.00	\$0.00	\$0.00	\$0.00	N/A		
TOTAL DIRECT COSTS		\$11,044.80	\$7,487.48	\$9,134.84	\$3,385.17	\$1,943.34	\$666.14	\$480.00	\$0.00	\$0.00	\$0.00	N/A	\$34,141.77	

Salary Related Costs

Total Activity Salary Costs		\$34,141.77
Overhead Activities	124.82%	\$42,615.76
Subtotal Salary Related Costs (Limiting Amount)		\$76,757.53

Operating Margin (Fixed Fee) 12.00% \$9,210.90

Expenses

Direct Reimbursables (Out-of-Pocket)	\$0.00
Permit Fees	\$0.00
Subtotal Expenses (Lump Sum)	\$0.00

AECOM Total \$85,968.43

Remaining Contract Funds

URS Corporation	\$19,203.06
	\$66,765.37

Subconsultants

Design Survey (URS)	\$0.00
Ardaman & Associates	\$3,015.24
Nadic Engineering Services	\$0.00
RS&H	\$5,079.70
Stantec (Formerly C3TS)	\$0.00
WBQ	\$4,410.57
Southeastern Survey	\$0.00
Subtotal Subconsultants (Limiting Amount)	\$12,505.51

GRAND TOTAL (Maximum Limiting Amount) \$79,270.88

CENTRAL FLORIDA EXPRESSWAY AUTHORITY					URS Corporation		
Project Number: 253F					CFX Contract No.: 000818		
DESCRIPTION: SR 408/SR 417 Ultimate Interchange Phase 2 (CONTRACT SUPPLEMENT NO. 7)							
Orange County							
HIGHWAY TASK LIST							
RFP Development							
Section 425							
Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	CADD Hours %	Remarks
1. Data Collection	LS	1	36	N/A	36		Update/catalogue project reports and calculations per discipline; Catalogue CADD Files
2. RFP Boilerplate Review	LS	1	40	N/A	40		
3. Develop Draft Project RFP	LS	1	72	N/A	72		
4. Review Draft project RFP with the Authority	LS	1	16	N/A	16		Meeting with CFX - 4 people x 4 hour meeting (includes Travel)
5. Review Design-Build General Specifications	LS	1	16	N/A	16		Prepared by Authority for D-B construction contract: AECOM to review for compatibility with RFP
6. Prepare Final Draft RFP	LS	1	22	N/A	22		
7. Prepare Final RFP Package	LS	1	22	N/A	22		Package all reference documents and attachments; Final Edits to RFP
8. Advertisement Support	LS	1	72	N/A	72		Pre-Proposal Meeting and Agenda prep; Respond to bid questions; Develop RFP Addenda as necessary Estimate 40
SUBTOTAL				0	296	0	
9. Quality Control	5%	1	N/A	N/A	15		
10. Supervision	5%	1	N/A	N/A	16		
11. Field Review	EA			N/A	0		
12. Progress Meeting	EA		TBN	N/A	0		
TOTAL				0	327	0	

ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY**URS Corporation****Project Number: 253F****CFX Contract No.: 000818****DESCRIPTION: SR 408/SR 417 Ultimate Interchange Phase 2 (CONTRACT SUPPLEMENT NO. 7)**
Orange County**HIGHWAY TASK LIST****Administration**
Section 700

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	CADD Hours %	Remarks
1. Project Control	LS	1	36	N/A	36		3 month contract extension - 3 hrs per week.
2. Work Progress	EA			N/A	0		
3. Schedule	LS			N/A	0		
4. Correspondence	LS			N/A	0		
5. Quality Control	LS			N/A			
6. Initial Site Visit	LS			N/A	0		
7. Project Procedures Manual	LS			N/A	0		
8. Bid Package	LS			N/A	0		
TOTAL				0	36	0	

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Project Number: 253F

URS Corporation

CFX Contract No.: 000818

DESCRIPTION: SR 408/SR 417 Ultimate Interchange Phase 2 (CONTRACT SUPPLEMENT NO. 7)

Orange County

Structure Design

Section 413

Task No.	Task	Units	Design and Production Staff Hours				Comments				
			No. of Units	Hours per Unit	No. of Sheets	Total					
	General Drawings										
1	Index of Drawings	Sheet	7	1	7	7	Edit 7 sheets including key sheet				
2	Project Layout	Sheet	1	2	1	2	Edit sheet for Phase 2				
3	General Notes and Bid Item Notes	Sheet	4	2	4	8	Update notes for Phase 2 and remove notes that apply only to Phase 1.				
3a	U-Beam General Notes and Bid Item Notes	Sheet									
4	Incorporate FDOT Standards	Sheet									
4a	Develop U-Beam Standards & Drawings	Sheet									
5	Incorporate Report of Core Borings	Sheet									
6	Existing Bridge Plans	LS									
7	Computation Book and Quantities	LS									
8	Cost Estimates	LS									
9	Miscellaneous Structure Details	Sheet									
10	Technical Special Provisions	LS	1	16	N/A	16	Edit and update for Phase 2 (12hrs). Revise U-Beam provisions for lessons learned (24hrs)				
Structures - Miscellaneous Tasks & Drawings Subtotals					12	33					
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10.1	Bridge 1: SR 417 NB over Lake Underhill										
10.2	Bridge 2: SR 417 SB over Lake Underhill										
10.3	Bridge 3: SR 417 NB over Econ Trail										
10.4	Bridge 4: SR 417 SB over Econ Trail										
10.5	Bridge 5: Ramp C over Econ Trail										
10.6	Bridge 6: Ramp E over SR 408										
10.7	Bridge 7: Ramp C Flyover (Concrete)	67					67				
10.8	Bridge 8: Ramp A Flyover (Concrete)	31					31				
10.9	Bridge 9: Ramp D (Concrete)										
10.10	Bridge 10: Ramp A/D1 (Concrete)	40					40				
10.11	Bridge 11:										
10.12	Bridge 12:										
10.13a	Retaining Walls @ Bridges									0	
10.13b	Retaining Walls along Roadway									0	
10.14	Miscellaneous Structures										0
10.15	Conceptual Analysis/Study Phase	0									
Structures Technical Subtotals		138	0	0	0	0	138	0	0	0	0
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments					
11	Field Reviews	LS									
12	Technical Meetings	LS									
13	Quality Assurance / Quality Control	LS	%	5%	9						
14	Independent Peer Review	LS	%	0%	0						
15	Supervision	LS	%	5%	9						
Structures Non-Technical Subtotals					18						
16	Coordination	LS	%	0%	0						
Structures - Miscellaneous Tasks & Drawings, Non-Technical, & Coordination Totals					189						

ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY**URS Corporation****Project Number: 253F****CFX Contract No.: 000818****DESCRIPTION: SR 408/SR 417 Ultimate Interchange Phase 2 (CONTRACT SUPPLEMENT NO. 7)****Orange County****Structure Design****Section 413****Bridge 7: Ramp C Flyover (Concrete)**

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
General Layout Design and Plans							
13.1	Overall Bridge Final Geometry	LS				0	
13.2	Expansion/Contraction Analysis	EA Unit				0	
13.3	General Plan and Elevation	Sheet	5	2	5	10	
13.4	Construction Staging	Sheet	6	1	6	6	
13.5	Approach Slab Plan and Details	Sheet				0	
13.6	Miscellaneous Details(Phase 2 Plan Sheets General Revisions)	Sheet	110	0.2703	110	30	
End Bent Design and Plans							
13.7	End Bent Geometry	EA				0	
13.8	Wingwall Design and Geometry	EA Bent				0	
13.9	End Bent Structural Design	EA				0	
13.10	End Bent Plan and Elevation	Sheet	2	3	2	6	
13.11	End Bent Details	Sheet	2	3	2	6	
Intermediate Bent Design and Plans							
13.12	Bent Geometry	EA Bent				0	
13.13	Bent Stability Analysis	EA				0	
13.14	Bent Structural Design	EA				0	
13.15	Bent Plan and Elevation	Sheet				0	
13.16	Bent Details	Sheet				0	
Pier Design and Plans							
13.17	Pier Geometry	EA Pier				0	
13.18	Pier Stability Analysis	EA				0	
13.19	Pier Structural Design	EA				0	
13.20	Pier Plan and Elevation	Sheet				0	
13.21	Pier Details	Sheet				0	
Misc. Substructure Design and Plans							
13.22	Foundation Layout	Sheet	3	3	3	9	Revise for Phase 2, include Pile Notes & Table
13.23	Fender System	LS	0	0		0	
Superstructure Deck Design and Plans							
13.24	Finish Grade Elevation (FGL) Calculation	LS				0	
13.25	Finish Grade Elevations	Sheet				0	
13.26	Bridge Deck Design	EA				0	
13.27	Bridge Deck Reinforcing and Concrete Quantities	EA Unit				0	
13.28	Superstructure Plan	Sheet				0	
13.29	Superstructure Section	Sheet				0	
13.30	Miscellaneous Bridge Deck Details	Sheet				0	
Reinforcing Bar Lists							
13.31	Reinforcing Bar List	Sheet	0	0	0	0	
Continuous Concrete Girder Design							
Longitudinal Analysis							
13.33	Section Properties	LS	0	0		0	
13.34	Material Properties	LS	0	0		0	
13.35	Construction Sequence	EA Unit	0	0		0	
13.36	Tendon Layouts	EA Unit	0	0		0	
13.37	Live Load Analysis	EA Unit	0	0		0	
13.38	Temperature Gradient	EA Unit				0	
13.39	Time Dependent Analysis	EA Unit	0	0		0	
13.40	Stress Summary	EA Unit	0	0		0	
13.41	Ultimate Moments	EA Unit	0	0		0	
13.42	Ultimate Shear	EA Unit	0	0		0	
13.43	Construction Loading	EA Unit	0	0		0	
13.44	Framing Plan	Sheet				0	
13.45	Girder Elevation, including Grouting Plan and Vent Locations	Sheet				0	

ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY**URS Corporation**

Project Number: 253F

CFX Contract No.: 000818

DESCRIPTION: SR 408/SR 417 Ultimate Interchange Phase 2 (CONTRACT SUPPLEMENT NO. 7)

Orange County

Structure Design

Section 413

Bridge 7: Ramp C Flyover (Concrete)

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13.46	Girder Details	Sheet				0	
13.47	Splice Details	Sheet	0	0	0	0	
13.48	Girder Deflections and Camber	Sheet	0	0	0	0	
Simple Span Concrete Design							
13.49	Prestressed Beam	EA Beam	0	0		0	
13.50	Prestressed Beam Schedules	Sheet	0	0	0	0	
13.51	Framing Plan	Sheet	0	0	0	0	
Load Rating							
13.52	Load Rating	EA Unit			1	0	
13. Structures-Mid Span Concrete Total					129	67	

ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY

URS Corporation

Project Number: 253F

CFX Contract No.: 000818

DESCRIPTION: SR 408/SR 417 Ultimate Interchange Phase 2 (CONTRACT SUPPLEMENT NO. 7)

Orange County

Structure Design

Section 413

Bridge 8: Ramp A Flyover (Concrete)

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
General Layout Design and Plans							
13.1	Overall Bridge Final Geometry	LS		0		0	
13.2	Expansion/Contraction Analysis	EA Unit				0	
13.3	General Plan and Elevation	Sheet	0	0	0	0	0
13.4	Construction Staging	Sheet				0	
13.5	Approach Slab Plan and Details	Sheet				0	
13.6	Miscellaneous Details(Phase 2 Plan Sheets General Revisions)	Sheet	114	0.2703	114	31	Revise border and logo and assemble bridge plan set of 114 sheets
End Bent Design and Plans							
13.7	End Bent Geometry	EA				0	
13.8	Wingwall Design and Geometry	EA Bent				0	
13.9	End Bent Structural Design	EA				0	
13.10	End Bent Plan and Elevation	Sheet				0	
13.11	End Bent Details	Sheet				0	
Intermediate Bent Design and Plans							
13.12	Bent Geometry	EA Bent				0	
13.13	Bent Stability Analysis	EA Design				0	
13.14	Bent Structural Design	EA Design				0	
13.15	Bent Plan and Elevation	Sheet				0	
13.16	Bent Details	Sheet				0	
Pier Design and Plans							
13.17	Pier Geometry	EA Pier				0	
13.18	Pier Stability Analysis	EA Design				0	
13.19	Pier Structural Design	EA Design				0	
13.20	Pier Plan and Elevation	Sheet				0	
13.21	Pier Details	Sheet				0	
Misc. Substructure Design and Plans							
13.22	Foundation Layout	Sheet					
13.23	Fender System	LS				0	
Superstructure Deck Design and Plans							
13.24	Finish Grade Elevation (FGE) Calculation	LS				0	
13.25	Finish Grade Elevations	Sheet				0	
13.26	Bridge Deck Design	EA Section				0	
13.27	Bridge Deck Reinforcing and Concrete Quantities	EA Unit				0	
13.28	Superstructure Plan	Sheet					
13.29	Superstructure Section	Sheet				0	
13.30	Miscellaneous Bridge Deck Details	Sheet					
Reinforcing Bar Lists							
13.31	Reinforcing Bar List	Sheet					
Continuous Concrete Girder Design							
Longitudinal Analysis							
13.33	Section Properties	LS	0	0		0	
13.34	Material Properties	LS	0	0		0	
13.35	Construction Sequence	EA Unit	0	0		0	
13.36	Tendon Layouts	EA Unit	0	0		0	

ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY

URS Corporation

Project Number: 253F

CFX Contract No.: 000818

DESCRIPTION: SR 408/SR 417 Ultimate Interchange Phase 2 (CONTRACT SUPPLEMENT NO. 7)

Orange County

Structure Design

Section 413

Bridge 8: Ramp A Flyover (Concrete)

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13.37	Live Load Analysis	EA Unit	0	0		0	
13.38	Temperature Gradient	EA Unit				0	
13.39	Time Dependent Analysis	EA Unit	0	0		0	
13.40	Stress Summary	EA Unit	0	0		0	
13.41	Ultimate Moments	EA Unit	0	0		0	
13.42	Ultimate Shear	EA Unit	0	0		0	
13.43	Construction Loading	EA Unit	0	0		0	
13.44	Framing Plan	Sheet				0	
13.45	Girder Elevation, including Grouting Plan and Vent Locations	Sheet				0	
13.46	Girder Details	Sheet				0	
13.47	Splice Details	Sheet	0	0		0	
13.48	Girder Deflections and Camber	Sheet	0	0		0	
Simple Span Concrete Design							
13.49	Prestressed Beam	EA Beam				0	
13.50	Prestressed Beam Schedules	Sheet				0	
13.51	Framing Plan	Sheet				0	
Load Rating							
13.52	Load Rating	EA Unit					
13. Structures-Mid Span Concrete Total					114	31	

ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY						URS Corporation	
Project Number: 253F						CFX Contract No.: 000818	
DESCRIPTION: SR 408/SR 417 Ultimate Interchange Phase 2 (CONTRACT SUPPLEMENT NO. 7)							
Orange County							
Structure Design							
Section 413							
Bridge 9: Ramp A/D1 (Concrete)							
Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
General Layout Design and Plans							
13.1	Overall Bridge Final Geometry	LS				0	
13.2	Expansion/Contraction Analysis	EA Unit				0	
13.3	General Plan and Elevation	Sheet				0	
13.4	Construction Staging	Sheet				0	
13.5	Approach Slab Plan and Details	Sheet				0	
13.6	Miscellaneous Details(Phase 2 Plan Sheets General Revisions)	Sheet	148	0.2703	148	40	revise border and log oand assemble bridge plan set of 148 sheets
End Bent Design and Plans							
13.7	End Bent Geometry	EA		0		0	
13.8	Wingwall Design and Geometry	EA Bent				0	
13.9	End Bent Structural Design	EA				0	
13.10	End Bent Plan and Elevation	Sheet				0	
13.11	End Bent Details	Sheet				0	
Intermediate Bent Design and Plans							
13.12	Bent Geometry	EA Bent	0	0		0	
13.13	Bent Stability Analysis	EA	0	0		0	
13.14	Bent Structural Design	EA	0	0		0	
13.15	Bent Plan and Elevation	Sheet	0	0	0	0	
13.16	Bent Details	Sheet	0	0	0	0	
Pier Design and Plans							
13.17	Pier Geometry	EA Pier				0	
13.18	Pier Stability Analysis	EA				0	
13.19	Pier Structural Design	EA				0	
13.20	Pier Plan and Elevation	Sheet			0	0	
13.21	Pier Details	Sheet			0	0	
Misc. Substructure Design and Plans							
13.22	Foundation Layout	Sheet				0	
13.23	Fender System	LS				0	
Superstructure Deck Design and Plans							
13.24	Finish Grade Elevation (FGE) Calculation	LS				0	
13.25	Finish Grade Elevations	Sheet				0	
13.26	Bridge Deck Design	EA				0	
13.27	Bridge Deck Reinforcing and Concrete Quantities	EA Unit				0	
13.28	Superstructure Plan	Sheet				0	
13.29	Superstructure Section	Sheet				0	
13.30	Miscellaneous Bridge Deck Details	Sheet				0	
Reinforcing Bar Lists							
13.31	Reinforcing Bar List	Sheet				0	Top Blister
Continuous Concrete Girder Design							
Longitudinal Analysis							
13.33	Section Properties	LS	0	0		0	
13.34	Material Properties	LS	0	0		0	
13.35	Construction Sequence	EA Unit	0	0		0	

ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY**URS Corporation**

Project Number: 253F

CFX Contract No.: 000818

DESCRIPTION: SR 408/SR 417 Ultimate Interchange Phase 2 (CONTRACT SUPPLEMENT NO. 7)

Orange County

Structure Design

Section 413

Bridge 9: Ramp A/D1 (Concrete)

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13.36	Tendon Layouts	EA Unit	0	0		0	
13.37	Live Load Analysis	EA Unit	0	0		0	
13.38	Temperature Gradient	EA Unit				0	
13.39	Time Dependent Analysis	EA Unit	0	0		0	
13.40	Stress Summary	EA Unit	0	0		0	
13.41	Ultimate Moments	EA Unit	0	0		0	
13.42	Ultimate Shear	EA Unit	0	0		0	
13.43	Construction Loading	EA Unit	0	0		0	
13.44	Framing Plan	Sheet				0	
13.45	Girder Elevation, including Grouting Plan and Vent Locations	Sheet				0	
13.46	Girder Details	Sheet				0	
13.47	Splice Details	Sheet	0	0		0	
13.48	Girder Deflections and Camber	Sheet	0	0		0	
Simple Span Concrete Design							
13.49	Prestressed Beam	EA Beam	16	0	N/A	0	
13.50	Prestressed Beam Schedules	Sheet	1	0	1	0	
13.51	Framing Plan	Sheet	0	0	0	0	
Load Rating							
13.52	Load Rating	EA Unit				0	
13. Structures-Mid Span Concrete Total					149	40	

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project:
County:
FPN:
FAP No.:

SR 408 / SR 417 Interchange - CONTRACT SUPPLEMENT NO 7
Orange
253F

Consultant Name: Ardaman
Consultant No.:
Date: 8/23/2016
Estimator: Zan Bates

Staff Classification	Total Staff Hours From "SH Summary"	Senior Engineer	Project Engineer	Engineering Intern	CADD/Computer Technician	Secretary/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
24. RFP Development	0	18	0	0	4	2	0	0	0	0	0	0	0	24	\$3,051	\$127.14
Total Staff Hours	0	18	0	0	4	2	0	0	0	0	0	0	0	24		
Total Staff Cost		\$2,682.90	\$0.00	\$0.00	\$273.24	\$95.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$3,051.24	\$127.14

Check = \$3,051.24

Survey Field Days by Subconsultant
4 - Person Crew

SALARY RELATED COSTS:

OVERHEAD:	0.00%	\$3,051.24
OPERATING MARGIN:	0.00%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
Survey (Field - If by Prime)	4-man crew	
SUBTOTAL ESTIMATED FEE:	days @ \$ / day	\$0.00
		\$3,051.24

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

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Name of Project: SR 408 / SR 417 CONTRACT SUPPLEMENT NO. 7
County: Orange
FPN: 253F
FAP No.:
RFP Development
Section 425

CFX Contract No.: 000818

Consultant Name: Ardaman

Consultant No.:

Date: 8/23/2016

Estimator: Zan Bates

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	CADD Hours %	Remarks
1. Data Collection	LS	1	4	N/A	4		
2. RFP Boilerplate Review	LS	1	0	N/A	0		
3. Develop Draft Project RFP	LS	1	12	N/A	12		
4. Review Draft project RFP with the Authority	LS	1	0	N/A	0		
5. Review Design-Build General Specifications	LS	1	2	N/A	2		
6. Prepare Final Draft RFP	LS	1	0	N/A	0		
7. Prepare Final RFP Package	LS	1	0	N/A	0		
8. Advertisement Support	LS	1	6	N/A	6		
SUBTOTAL				0	24	0	
9. Quality Control		0	N/A	N/A	0		
10. Supervision		0	N/A	N/A	0		
11. Field Review	EA			N/A	0		
12. Progress Meeting	EA	0	0	N/A	0		
TOTAL				0	24	0	

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Project Number: 253F Phase II (SA-7)

DESCRIPTION: SR 408/SR 417 Ultimate Interchange

RS&H

CFX Contract No.: 000818

SUMMARY FEE SHEET

CONTRACT SECTION	ACTIVITY MANHOURS	Project Manager	QA/QC	Chief Engineer	Senior Engineer	Engineer Designer	Engineering Intern	Clerical				Total Staff/Hours	Total Cost	Avg. Rate
402 & 409	Governmental Agencies & Public Meetings											0	\$0.00	
403	Preliminary Design Report-Review													
404	Surveys and Mapping													
405	Geotechnical Investigation													
406	Contamination Impact Analysis													
407	Pavement Design													
408	Borrow Pits													
410	Environmental Permits													
411	Utilities													
412	Roadway Design													
413	Miscellaneous Structures Design												\$0.00	
414	Drainage Design													
415	Roadway Lighting													
416	Traffic Engineering													
417 & 418	Signal & Pav't Marking Plans												\$0.00	
419	Right-of-Way Surveys													
420	Cost Estimates												\$0.00	
421	Special Provisions and Specifications												\$0.00	
422	Fiber Optic Network (FON)													
423	Miscellaneous Structures													
425	RFP Development	4		6	8		2					20	\$1,198.86	\$59.94
700	Administration	2		2	2							6	\$354.58	\$59.10
TOTAL MANHOURS		6	0	8	10	0	2	0				26		
WAGE RATES		\$69.32		\$67.37	\$57.44	\$39.33	\$28.92							
TOTAL DIRECT COSTS		\$415.92	\$0.00	\$538.96	\$574.40	\$0.00	\$57.84	\$0.00					\$1,587.12	

Salary Related Costs

Total Activity Salary Costs		\$1,587.12
Overhead Activities	187.94%	\$2,982.83
Subtotal Salary Related Costs (Limiting Amount)		\$4,569.95

Operating Margin (Fixed Fee) 28.00% **\$444.39**

Expenses

Direct Reimbursables (Out-of-Pocket)	\$65.36
Permit Fees	\$0.00
Subtotal Expenses (Lump Sum)	\$65.36

Subconsultants \$0.00

\$0.00

Fee Estimate (RFP Development + Digital Files) **\$5,079.70**

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Project Number: 253F Phase II (SA-7)

DESCRIPTION: SR 408/SR 417 Ultimate Interchange
Orange County**RS&H**

CFX Contract No.: 000818

HIGHWAY TASK LIST

RFP Development

Section 425

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	CADD Hours %	Remarks
1. Data Collection	LS	1	8	N/A	8		
2. RFP Boilerplate Review	LS			N/A			
3. Develop Draft Project RFP	LS	1	8	N/A	8		
4. Review Draft project RFP with the Auth	LS			N/A			
5. Review Design-Build General Specificat	LS			N/A			
6. Prepare Final Draft RFP	LS			N/A			
7. Prepare Final RFP Package	LS			N/A			
8. Advertisement Support	LS	1	4	N/A	4		
SUBTOTAL				#REF!	20		
6. Quality Control	0%	1	N/A	N/A	0		
7. Supervision	0%	1	N/A	N/A	0		
TOTAL				#REF!	20		

CENTRAL FLORIDA EXPRESSWAY AUTHORITY**Project Number: 253F Phase II (SA-7)****DESCRIPTION: SR 408/SR 417 Ultimate Interchange
Orange County****RS&H****CFX Contract No.: 000818****HIGHWAY TASK LIST****Administration
Section 700**

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	CADD Hours %	Remarks
1. Project Control	LS	1	6	N/A	6		3 month contract extension - 2 hrs per month
2. Assemble and Deliver Electronic Files	LS			N/A	0		
3. Support RFP Development	LS			N/A	0		
4. Correspondence	LS						
5. Quality Control	LS						
6. Initial Site Visit	LS						
7. Project Procedures Manual	LS						
8. Design Documentation	LS						
TOTAL					6		

**SR 408 / SR 417 INTERCHANGE PHASE II
ORANGE COUNTY
CFX Project No. 253F Phase II (SA-7)**

**RS&H
MISCELLANEOUS AND DIRECT OUT-OF POCKET EXPENSES**

ESTIMATED PLAN SHEET BREAKDOWN BY WORKGROUP

	Plan Sheets (11x17)	Special Provisions & TSP's
Roadway Plan Set	0	0
Architectural - Ramp Plaza	0	0
Mechanical - Electrical	0	0
Signing & Marking	0	0
Structures	0	0
TOTAL PLAN SHEETS	0	0

	Number of Copies				Total Copies		
	Sheets	Submittal	In-house	Total	8 1/2 x 11	8 1/2 x 14	11 x 17
PRE-BID SUBMITTAL(100%)							
Roadway Plan Sets	0	0	0	0	0	0	0
Signing & Pavement Marking Plans (Roadway)	0	0	0	0	0	0	0
Sign Structures Plans	0	0	0	0	0	0	0
ITS Plans	0	0	0	0	0	0	0
Summary of Pay Items	0	0	0	0	0	0	0
Quantity Computation Book	0	0	0	0	0	0	0
Roadway Design Documentation and Calculations	0	0	0	0	0	0	0
Drainage Design Documentation and Calculations	0	0	0	0	0	0	0
Special Provisions and Technical Special Provisions	0	0	0	0	0	0	0
Written Responses to 100% Review Comments	0	0	0	0	0	0	0
Completed Review Checklists	0	0	0	0	0	0	0
Maintenance of Traffic Plans	0	0	0	0	0	0	0
All Other Items	0	0	0	0	0	0	0

	Number of Copies				Total Copies		
	Sheets	Submittal	In-house	Total	8 1/2 x 11	8 1/2 x 14	11 x 17
FINAL SUBMITTAL							
Quantity Computation Book	0	0	0	0	0	0	0
Special Provisions & TSP's	0	0	0	0	0	0	0
Record Plan Set	0	0	0	0	0	0	0
Permit Packages and Plans	0	0	0	0	0	0	0
TOTAL XEROX COPIES	0	0	0	0	0	0	0

XEROX & BINDING	Units	Unit Cost	Total Cost
Total 8 1/2 x 11 Xerox	0	\$0.04	\$0.00
Total 8 1/2 x 14 Xerox	0	\$0.05	\$0.00
Total 11 x 17 Xerox	0	\$0.09	\$0.00
Total 8 1/2 x 11 Color Xerox	0	\$0.18	\$0.00
Total 11 x 17 Color Xerox	0	\$0.36	\$0.00
Reports (8 1/2 x 11 card stock, front & back)	0	\$0.42	\$0.00
Reports (clear covers, front & back)	0	\$1.26	\$0.00
Reports (GBC binding)	0	\$1.35	\$0.00
Plan Sets (11 x 17 card stock, front & back)	0	\$0.83	\$0.00
Plan Sets (Screw Posts)	0	\$1.50	\$0.00
Quantity Books (ACCO Binder)	0	\$7.50	\$0.00
Documentation (3 D-Ring Binder)	0	\$24.50	\$0.00

SUBTOTAL XEROX & BINDING **\$0.00**

PLOTTING & CADD SUPPLIES			
Blueprints (24x36)	0	\$0.45	\$0.00

Sepias (24x36)	0	\$2.70	\$0.00
Read-Write DVD	4	\$3.00	\$12.00
Read-Write CD	4	\$0.50	\$2.00

SUBTOTAL PLOTTING & CADD SUPPLIES **\$14.00**

TOTAL EXPENSES **\$14.00**

SHIPPING- SUBMITTALS ONLY

Domestic Express Delivery	2	@ \$15.00/Package	\$ 30.00
---------------------------	---	-------------------	----------

SUBTOTAL SHIPPING- SUBMITTALS ONLY **\$ 30.00**

TRAVEL

From RS&H Orlando Office:

To Project:

(POV) 0 trips x 20 miles x \$0.445 per mile \$0.00

To CFX Headquarters:

(POV) 4 trips x 12 miles x \$0.445 per mile \$21.36

SUBTOTAL TRAVEL **\$21.36**

From RS&H Tampa Office

To Project:

(Per Diem) 0 trips x 2 people x 1 day / trip x \$21.00 per diem \$0.00

(Rental Car) 0 trips x 1 day / trip x \$43.59 daily rate \$0.00

(Lodging) 0 trips x 2 people x 1 day / trip x \$94.40 daily rate \$0.00

To CFX Headquarters:

(POV) 0 trips x 180 miles x \$0.445 per mile \$0.00

TAMPA TRAVEL **\$0.00**

PUBLIC INVOLVEMENT

30" x 40" foam core boards for Hearing / Workshop	0 each	\$75.00	\$0.00
---	--------	---------	--------

SUBTOTAL COMMUNITY AWARENESS **\$0.00**

EXPENSES (LUMP SUM) **\$65.36**

TRAVEL (FROM TAMPA) **\$0.00**

CENTRAL FLORIDA EXPRESSWAY AUTHORITY													WBQ Design & Engineering	
Project Number: 253F													CFX Contract No.: 000818	
DESCRIPTION: SR 408/SR 417 Ultimate Interchange - Phase 2 Contract Supplement No. 7														
SUMMARY FEE SHEET (SUBCONSULTANT - WBQ)														
CONTRACT SECTION	ACTIVITY MANHOURS	Project Manager	Chief Engineer	Senior Engineer	Project Engineer	Engineer		Clerical	Sr. Surveyor & Mapper	Surveyor & Mapper	Survey Technician	Total Manhours	Total Cost	Avg. Rate
402 & 409	Governmental Agencies & Public Meetings	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
403	Preliminary Design Report-Review	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
404	Surveys and Mapping	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
405	Geotechnical Investigation	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
406	Contamination Impact Analysis	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
407	Pavement Design	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
408	Borrow Pits	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
410	Environmental Permits	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
411	Utilities	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
412	Roadway Design	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
413	Structures Design	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
414	Drainage Design	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
415	Roadway Lighting	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
416	Traffic Engineering	0	0	0	0	1	0	(1)	0	0	0	0	\$4.66	#DIV/0!
417 & 418	Signal & Pav't Marking Plans	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
419	Right-of-Way Surveys	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
420	Cost Estimates	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
421	Speical Provisions and Specifications	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
422	Fiber Optic Network (FON)	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
423	Toll Plazas	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
425	RFP Development	4	7	6	5	0	0	2	0	0	0	25	\$1,313.74	\$52.55
700	Administration	0	0	0	0	0	0	0	0	0	0	0	\$0.00	
TOTAL MANHOURS		4	7	6	5	1	0	2	0	0	0	25	\$1,318.40	\$52.74
WAGE RATES		\$86.99	\$63.13	\$48.05	\$33.17	\$27.90	\$0.00	\$23.24	\$0.00	\$0.00	\$0.00	N/A	N/A	
TOTAL DIRECT COSTS		\$347.96	\$441.91	\$288.30	\$165.85	\$27.90	\$0.00	\$46.48	\$0.00	\$0.00	\$0.00	N/A	\$1,318.40	

Salary Related Costs

Total Activity Salary Costs	\$1,318.40
Overhead Activities	209.04%
Subtotal Salary Related Costs (Limiting Amount)	\$4,074.38

Operating Margin (Fixed Fee) 25.50% ** \$336.19

**(Equivalent Lump Sum for Operating Margin 8.2513343% or 8.26%)

Expenses

Direct Reimbursables (Out-of-Pocket)	\$0.00
Permit Fees	\$0.00
Subtotal Expenses (Lump Sum)	\$0.00

Subconsultants

Subtotal Subconsultants (Limiting Amount)	\$0.00
---	--------

WBQ TOTAL (Maximum Limiting Amount) \$4,410.57

CENTRAL FLORIDA EXPRESSWAY AUTHORITY
Project Number: 253F
DESCRIPTION: SR 408/SR 417 Ultimate Interchange - Phase 2 Contract Supplement No. 7
Orange County

WBQ Design & Engineering
CFX Contract No.: 000818

HIGHWAY TASK LIST

RFP Development
Section 425

Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	CADD Hours %	Remarks
1. Data Collection	LS	1	6	N/A	6		
2. RFP Boilerplate Review	LS	0	0	0	0		
3. Develop Draft Project RFP	LS	1	6	N/A	6		Utility review
4. Review Draft project RFP with the Authority	LS	0	0	N/A	0		
5. Review Design-Build General Specifications	LS	1	7	N/A	7		Utilities
6. Prepare Final Draft RFP	LS	0	0	0	0		
7. Prepare Final RFP Package	LS	0	0	0	0		
8. Advertisement Support	LS	1	6	N/A	6		
SUBTOTAL				0	25	0	
9. Quality Control	0%	1	N/A	N/A	0		
10. Supervision	0%	1	N/A	N/A	0		
11. Field Review	EA	0	0	N/A			
12. Progress Meeting	EA	0	0	N/A	0		
TOTAL				0	25	0	