

**SERVICES AUTHORIZATION #IV  
ENGINEERING SERVICES AGREEMENT**

*THIS SERVICES AUTHORIZATION* is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by and between the **City of Orlando, Florida**, a municipal corporation existing under the laws of the State of Florida (CITY), and **Littlejohn Engineering Associates, Inc.**, doing business locally at 1615 Edgewater Drive, Suite 180, Orlando, Florida 32804 (ENGINEER).

*WHEREAS*, the CITY and the ENGINEER have previously entered into an agreement for the ENGINEER's professional services (Agreement) on June 6, 2014, concerning the West Livingston Street Extension Final Design and the Sunrail Church Street and Lynx Central Stations Barriers to Access Project (Project); and

*WHEREAS*, the CITY and the ENGINEER wish to amend the Agreement as set forth herein; and

*WHEREAS*, the CITY and the ENGINEER now wish to memorialize their understanding for the ENGINEER's additional professional services for the Project.

*NOW, THEREFORE*, in consideration of the mutual promises and covenants contained herein and given one to the other, the sufficiency of which is hereby acknowledged, the parties agree as follows:

I. SCOPE OF SERVICES

The scope of services has been agreed to by the parties, and is attached hereto and incorporated herein, by reference, as EXHIBIT I.

II. FEE

The not to exceed fee of \$130,214.69 has been agreed to by the parties, as set forth on EXHIBIT I.

III. TERM

ENGINEER shall complete all work in accordance with the timeframes set forth in the scope of work, if any, provided, however, that all work and the term of the Services Authorization shall be completed by the end of business (5:00 p.m.) on March 1, 2017. It is also agreed that the CITY shall have an option for extension of this Services Authorization as necessary to complete the present scope of Services (Exhibit I) or to provide additional services.

IV. ENTIRE AGREEMENT

This Services Authorization supersedes all previous services authorizations, amendments, agreements, or representations, either verbal or written, heretofore in effect between the CITY and the ENGINEER that may have concerned the matters covered herein, except that this Services Authorization shall in no way supersede or amend the Agreement or other services authorizations or amendments except as specifically provided herein. No additions, alterations, or variations to the terms of this Services Authorization shall be valid, nor can the provisions of this Services Authorization be waived by either party, unless such additions, alterations, or waivers are expressly set forth in writing in a document duly executed by both parties. ENGINEER acknowledges and agrees that any proposals or proposed agreements from subconsultants attached to this SERVICES AUTHORIZATION are attached solely to reflect the scopes of work to be performed and the fees to be charged by such subconsultants. By executing this SERVICES AUTHORIZATION, the CITY does not become a party thereto or bound by the terms thereof.

*IN WITNESS WHEREOF*, the parties hereto have executed this Services Authorization on the day and year first written above.

**City of Orlando, Florida**

By: \_\_\_\_\_  
David Billingsley, CPSM, C.P.M.  
Chief Procurement Officer

APPROVE AS TO FORM AND LEGALITY  
for the use and reliance of the  
City of Orlando, Florida, only.

\_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Michael S. O'Dowd  
Assistant City Attorney  
Orlando, Florida

**Littlejohn Engineering Associates, Inc.**

By: \_\_\_\_\_

\_\_\_\_\_  
(Print Name)

Title: \_\_\_\_\_

STATE OF FLORIDA        }

COUNTY OF \_\_\_\_\_}

*PERSONALLY APPEARED* before me, the undersigned authority, \_\_\_\_\_, [ ] well known to me or [ ] who has produced \_\_\_\_\_ as identification, and known by me to be the \_\_\_\_\_ of the corporation named above, and acknowledged before me that he/she executed the foregoing instrument on behalf of said corporation as its true act and deed, and that he/she was duly authorized to do so.

*WITNESS* my hand and official seal this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
NOTARY PUBLIC

Print Name: \_\_\_\_\_

My Commission Expires:



June 17, 2016

John H. Rogers Jr, PE, Project Manager II  
City of Orlando - Transportation – Engineering Division  
400 South Orange Avenue  
Orlando, FL 32801

**RE: Additional Services Request  
West Livingston Street Extension Final Design  
Additional Engineering, Environmental and Post-Design Services**

Dear Mr. Rogers:

At the request of the City, Littlejohn Engineering Associates, Inc. (Littlejohn) is providing this proposal for additional professional services. The following scope-of-services as requested would be provided:

- I. Coordination with the proposed K-8 school on Northwest corner of N Parramore/W. Livingston and minor modifications to traffic signal, streetscape, roadway, signing/markings plans.
  - A. 2 meetings are anticipated with the school/representatives and 1 field review.
  - B. Additional topographic survey is not anticipated to be required.
2. Additional Utility Coordination and revisions to Utility Relocation Plans – UCF & K-8 School
  - A. 3 utility meetings with utility owners and 2 meetings with UCF are anticipated.
3. Preparation of a stand-alone ERP Permit (SJRWMD) application for the W Livingston St Extension improvements. The City would be responsible for any permit application fee.
4. Preparation of a Hazardous Material Handling Plan and Specifications. Services include monitoring during construction. Services would specifically include the following:
  - A. Preparation of a Hazardous Materials Plan, Health & Safety Plan, and Specifications
  - B. Soil sampling prior to excavation to evaluate total arsenic concentrations in soil for preparation of Health & Safety Plan. Assume 16 hand auger borings/samples for total arsenic analysis at locations of soil cut and utility trenches. Assume MOT required during sampling.
  - C. Observation of soil removal, placement into piles, and characterization sampling of piles to determine disposal location.
    - i. Observation of soil removal and placement in piles. Assume S&ME technician for 10, 8-hour days.
    - ii. Characterization sampling for total arsenic in soil piles. Assume 5 composite soil samples per pile from 6 piles for a total of 30 samples for total arsenic analysis. TLCP included (only necessary if total arsenic concentrations exceed 100 mg/kg).
    - iii. Characterization of pile locations following soil removal. Assume 6 soil samples, 1 per pile location, for total arsenic analysis.
  - D. Report preparation documenting soil sampling, soil removal, disposal, and post pile removal sampling.

1615 EDGEWATER DRIVE, SUITE 200, ORLANDO, FLORIDA 32804  
T 407.975.1273 F 407.975.1278

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Environmental Services  
Health and Safety  
Economic Development



Mr. John Rogers, PE  
 West Livingston Street Extension Final Design  
 Additional Engineering, Environmental and Post-Design Services

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5. Preparation of plans for the removal of existing traffic signal at Bentley St/N Parramore Ave and removal of mast arm for electronic signage.
6. Preparation of 2 Construction Cost Estimates – 1 preliminary and 1 after final construction plans are prepared/ revised.
7. Preparation of Technical Specifications and bid package
8. Post-Design Services (not CEI or inspection services) – Meetings, RFI's, Shop Drawing Reviews, Change Order Reviews (as needed), permit inspections, Record Drawing Preparation, Final Field Review/punch list. It is assumed that the construction duration would be no longer than eight (8) months in duration.

See the attached proposals from our subconsultants for their respective items of work included in the above scope of services. Refer to proposals from WBQ Design & Engineering, Inc., Nancy Prine Landscape Architect, Protean Design Group, Bobes Associates. The environmental work in item 4A-4D will be performed by S&ME, Inc. and their fee is shown in the attached Workhour and Fee Estimate Summary.

**FEE Distribution Schedule**

Our professional fees for the above-described services will be billed on an hourly basis not to exceed as work progresses in accordance with the following schedule (see attached Workhour and Fee Estimate Summary for a further breakdown of these fees):

Littlejohn (Project Management, Roadway, Streetscape/Hardscape).....	\$ 61,680.13
S&ME, Inc. (environmental subconsultant).....	\$ 21,543.00
WBQ Design & Engineering, Inc. (utilities and signing/marketing plans) .....	\$ 22,448.22
Protean Design Group (traffic signal and ITS).....	\$ 15,357.43
Nancy Prine Landscape Architect (landscape/irrigation).....	\$ 2,628.00
<u>Bobes Consulting (lighting).....</u>	<u>\$ 6,557.91</u>
<b>TOTAL</b>	<b><u>\$ 130,214.69</u></b>

Any work not authorized within 12 months of the date of this proposal will be subject to renegotiations based on current rates.

**Reimbursables and additional services**

Included in the above fees are reimbursable expenses incurred on the project's behalf, including mileage, printing, plotting, photocopies, reproduction, postage, long distance telephone, facsimile, express mail and/or courier services.

Services that may be required, which Littlejohn can provide, but are not part of this proposal include the following:

- Construction Engineering and Inspection (CEI) services



Mr. John Rogers, PE  
West Livingston Street Extension Final Design  
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- Survey services
- Public Involvement/Workshops
- More extensive environmental investigation (other than what is identified in items 4A thru 4D)

We appreciate the opportunity to continue to support the City with services for this very important project. Please let us know if you have any questions or need additional information relative to this proposal.

Sincerely,

LITTLEJOHN, an S&ME COMPANY

A handwritten signature in black ink, appearing to read "L. Arnold Jr.", written in a cursive style.

Leonard E. Arnold Jr., P.E., Vice President



**WORKHOUR AND FEE ESTIMATE SUMMARY**  
 W. Livingston Street Extension  
 Additional Professional Services - Additional Engineering, Environmental and Post-Design Services  
 Prepared April 26, 2016

#	Task Description	Littlejohn Engineering Associates Inc. LABOR COST										Subconsultant LABOR COSTS					Fee Totals		
		Principal (Hours)	St Project Manager (Hours)	St Engineer (Hours)	Engineer Intern (Hours)	Landscape Architect (Hours)	Engineering Technician (Hours)	Admin Assistant (Hours)	Labor Total (Hours)	Fee	S&ME, Inc. (Environmental) Fee	WBO (Signing/Markings & Utilities) Fee (MBE)	Picotran (Traffic Signals) Fee	Nanny Prime (Landscape) Fee (MBE)	Bobes (Lighting) Fee (MBE)				
1	Coordination/plans revisions for K-9 school, NW corner Parramore/Livingston (incl. 2 meetings, 1 field review)	2	24	20	16	82								\$ 3,234				\$ 3,234	
2	Add Utility Coordination and Revisions to Utility Relocation Plans (incl. 5 total meetings)		30	8	12	52			2					\$ 3,327	\$ 9,659.26	\$ 600.00		\$ 13,586.26	
3	ERP Permit Application		6	30	8	56			12					\$ 2,582				\$ 2,582	
4	Hazardous Material Handling Plan and Specifications		4			4								\$ 332	\$ 3,000.00			\$ 3,332	
A	Preparation of Haz Materials Plan, H&SP, Specifications					0								\$ -	\$ 4,800.00			\$ 4,800.00	
B	Soil Sampling					4								\$ 211	\$ -10,793.00			\$ -10,582.00	
C	Observation of soil removal, placement into piles, characterization sampling of piles					4								\$ 332	\$ 2,650.00			\$ 2,982.00	
D	Report preparation					8								\$ 911	\$ 5,240.00			\$ 6,151.00	
5	Signal Plan Removal at Bentley/Parramore and Westarm Signage		4			8								\$ 1,395	\$ 480.00	\$ 98.00	\$ 1,116.86	\$ 3,091.70	
6	Preparation of Probable Estimates of Construction (1 preliminary, 1 final)		2	8	24	44			8					\$ 2,431	\$ 2,220.34	\$ 2,400.00	\$ 487.00	\$ 9,721.54	
7	Preparation of Technical Specifications and Bid Package					4								\$ -	\$ 4,812.07	\$ 3,305.00	\$ 2,043.00	\$ 10,160.07	
8	Post-Design Services (limited, not CEI or Inspection services)		8	8	4	20								\$ 1,209	\$ -	\$ -	\$ -	\$ 1,209.00	
A	Site Meetings (4 max.)					17			2					\$ 1,109	\$ -	\$ -	\$ -	\$ 1,109.00	
B	Requests for Information (assume 3)					20			3					\$ 937	\$ -	\$ -	\$ -	\$ 937.00	
C	Shop Drawing Reviews (assume 4)					22								\$ 1,522	\$ -	\$ -	\$ -	\$ 1,522.00	
D	Field Review for Project Closeout (1 for ERP, 2 for preliminary punch)					44			24					\$ 1,514	\$ -	\$ -	\$ -	\$ 1,514.00	
E	Record Drawings (prepare from Contractor As-Built Plans)					6								\$ -	\$ -	\$ -	\$ -	\$ -	
9	Value Engineering Services (scope TBD) - Optional Services													\$ -	\$ -	\$ -	\$ -	\$ -	
														\$ 21,044	\$ -	\$ -	\$ -	\$ 21,044	
														\$ 611,600.13	\$ 21,543.00	\$ 22,448.22	\$ 15,357.43	\$ 2,628.00	\$ 6,587.81

Hours =	396	Fee Totals =	\$ 130,214.69
Rate =	\$ 330.89	Total MBE =	\$ 29,006.13
Multiplier =	3.00	Total WBE =	\$ 2,528.00
Cost =	\$ 1,493.82	% MBE =	22.28%
		% WBE =	2.02%
		Total % MBE/WBE	24.30%

Goal	Proposed
MBE 18.00%	22.28%
WBE 6.00%	2.02%
Total 24.00%	24.30%

Cost = \$1,493.82

Hours = 396

Rate = \$330.89

Multiplier = 3.00

Cost = \$1,493.82

S&ME, Inc.  
Proposal Budget Worksheet

Site Name: W. Livingston Ave. Extension  
Facility ID #:

Task: Manage soil during removal  
Date: April 08, 2016

Subtask 1	Preparation of a Hazardous Materials Handling Plan, HASP, and Specifications
Subtask 2	Field Sampling & Lab Analysis for GC worker safety
Subtask 3	Onsite observation of soil removal and piles; characterize soil piles.
Subtask 4	Report
Subtask 5	Restrictive Covenant - Survey, RC docs, Interaction with FDEP
Subtask 6	

Tampa Labor Cost	Tampa Labor Rates	Personnel Category	Subtasks	1	2	3	4	5	6
\$85.00	\$185.00	P6 Principal Consultant	18.0	8.0	4.0	2.0	4.0		
\$50.00	\$150.00	P6 Senior Consultant							
\$47.00	\$140.00	P5 Sr. Eng./Geologist/Scientist							
\$43.00	\$125.00	P4 Sr. Project Eng./Geol/Sci							
\$40.00	\$120.00	P3 Project Eng./Geologist/Scientist	34.0	6.0	8.0	8.0	12.0		
\$32.00	\$95.00	P2 Assoc. Eng./Geologist/Scientist							
\$29.00	\$85.00	P1 Staff Eng./Geologist/Scientist							
\$25.00	\$75.00	T2 Senior Technician							
\$23.00	\$70.00	T1 Field Technician	150.0		30.0	120.0			
\$23.00	\$70.00	S3 Graphics	12.0	6.0			6.0		
\$20.00	\$60.00	S2 Document Production	7.0	3.0			4.0		
\$17.00	\$50.00	S2 Clerical	1.0	1.0					

	TOTAL HOURS	1	2	3	4	5	6
	222.0	24.0	42.0	130.0	26.0		
<b>Project Cost</b>							
1) Labor	\$6,413.00	975.00	1,270.00	3,210.00	958.00		
2) Equipment Rental	\$820.00	820.00					
3) Travel	\$1,168.00		466.00	702.00			
4) Other Direct Costs	\$335.00	120.00	20.00	95.00	20.00	80.00	
5) CONSULTANT SUBTOTAL	\$8,736.00	1,915.00	1,756.00	4,007.00	978.00	80.00	
6) Laboratory Analysis	\$5,540.00		320.00	5,220.00			
7) Drilling Subcontractors							
8) Other Subcontractor	\$200.00		200.00				
9) SUBCONTRACTOR SUBTOTAL	\$5,740.00		520.00	5,220.00			
10) TOTAL S&ME COST	<b>\$14,476.00</b>	1,915.00	2,276.00	9,227.00	978.00	80.00	
<b>Project Budget</b>							
1) Labor	\$19,220.00	2,850.00	3,800.00	9,730.00	2,840.00		
2) Equipment Rental	\$820.00		460.00	360.00			
3) Travel	\$1,168.00		466.00	702.00			
4) Other Direct Costs	\$335.00	120.00	20.00	95.00	20.00	80.00	
5) CONSULTANT SUBTOTAL	\$21,543.00	2,970.00	4,746.00	10,887.00	2,860.00	80.00	
6) Laboratory Analysis	\$6,371.00		366.00	6,003.00			
7) Drilling Subcontractors							
8) Other Subcontractor	\$230.00		230.00				
9) SUBCONTRACTOR SUBTOTAL	6,601.00						
10) TOTAL PRICE	<b>\$21,543.00</b>	2,970.00	4,746.00	10,887.00	2,860.00	80.00	
		<b>Multiplier</b>					
Labor		3.00					
Subcontractors		NA					
Project		1.49					





June 23, 2016

**Littlejohn Engineering Associates**  
1615 Edgewater Drive, Suite 180  
Orlando, FL 32804

RE: Additional Service 2 - Fee Proposal for Professional Engineering Services  
West Livingston Street  
City of Orlando, Florida

Dear Mr. Morlan,

As requested, WBQ Design & Engineering, Inc. is pleased to submit this proposal for Professional Engineering services for the W. Livingston Street Project.

**Written Quote**

The design fee was derived using the FDOT Staff Hour Estimation Guidelines and Forms.

The WBQ Design & Engineering, Inc. Professional Engineering services proposed for this project are:

- Project Activity 3: Project Common and Project General Tasks
- Project Activity 4: Roadway Analysis
- Project Activity 5: Roadway Plans
- Project Activity 7: Utilities
- Project Activity 8: Permitting
- Project Activity 19: Signing and Pavement Marking Analysis
- Project Activity 20: Signing and Pavement Marking Plans

**Fee Schedule**

Based upon the scope of services outlined above, the hourly not to exceed fee will be \$22,448.22. Additional work required not included in the scope of services included in this proposal, or as caused by factors beyond WBQ's control, will be invoiced on a time and expense basis. Additional work will not be performed without prior authorization.

We sincerely appreciate the opportunity of submitting this proposal. Please do not hesitate to contact me if you have any questions or comments.

Sincerely,  
**WBQ Design & Engineering, Inc.**

*Troy W. Vargas*

Troy W. Vargas, P.E.  
Project Manager

201 N. Magnolia Avenue ▲ Suite 200 ▲ Orlando, FL 32801  
(407) 839-4300 ▲ Fax (407) 836-1621 ▲ E-mail: wbq@wbq.com

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

Consultant Name: WBQ Design & Engineering, Inc.  
 Consultant No.:  
 Date: 8/17/2016  
 Estimator: Troy Vargas, PE

W. Livingston Street Extension  
 Orange, CA 92668  
 FPN: 0536  
 City of Orlando  
 Project No. 121000000

Staff Classification	Hours From Summary - Firm	Specialist - Principal	Project Manager	Chief Engineer	Sr. Utility Coordinator	Sr. Engineer	Project Engineer	Engineer	Clerical	Sr. Surveyor	Surveyor Mapper	Survey Technician	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
3. Project General and Project Common Tasks	53	0	8	6	0	16	11	9	3	0	0	0	0	\$3	\$2,836	\$53.51
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	17	0	3	2	0	5	3	3	1	0	0	0	0	17	\$922	\$54.23
6. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	31	0	2	3	23	7	5	4	1	0	0	0	0	31	\$1,669	\$53.84
8. Permitting	23	0	0	3	0	0	0	0	0	0	0	0	0	23	\$1,233	\$53.62
9. Structures - Misc. Tasks, Dwgts, 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	9	0	1	1	0	3	2	2	0	0	0	0	0	9	\$481	\$53.41
20. Signing & Pavement Marking Plans	6	0	1	1	0	2	1	1	0	0	0	0	0	6	\$342	\$56.98
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. Geotechnical	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!
<b>Total Staff Hours</b>	<b>139</b>	<b>0</b>	<b>18</b>	<b>16</b>	<b>23</b>	<b>33</b>	<b>24</b>	<b>19</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>139</b>	<b>\$7,482.74</b>	<b>\$53.83</b>
<b>Total Staff Cost</b>	<b>\$0.00</b>	<b>\$1,313.23</b>	<b>\$1,150.08</b>	<b>\$1,199.46</b>	<b>\$1,922.25</b>	<b>\$1,017.50</b>	<b>\$724.85</b>	<b>\$158.22</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$7,482.74</b>	<b>\$53.83</b>

Check = \$7,482.74  
 SALARY RELATED COSTS:  
 Multiplier = 3.0  
 Survey Field Days by Subconsultant  
 4 - Person Crew:  
 2.00  
 4-man crew days @ / day

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.  
 Fee  
 Survey (Field - If by Prime)  
 NOT TO EXCEED FEE - SUBTOTAL ESTIMATED:  
 Subconsultant: Sub 1  
 Subconsultant: Sub 2  
 Subconsultant: Sub 3  
 Subconsultant: Sub 4  
 Subconsultant: Sub 5  
 Subconsultant: Sub 6  
 NOT TO EXCEED FEE - SUBTOTAL ESTIMATED:  
 Geotechnical Field and Lab Testing  
 NOT TO EXCEED FEE - SUBTOTAL ESTIMATED:  
 Optional Services  
 NOT TO EXCEED FEE - GRAND TOTAL ESTIMATED:  
 \$7,482.74  
 \$14,965.48  
 \$0.00  
 \$0.00  
 \$0.00  
 \$22,448.22  
 \$0.00  
 \$0.00  
 \$0.00  
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 \$0.00  
 \$0.00  
 \$0.00  
 \$0.00  
 \$0.00  
 \$22,448.22

## **Livingston Street Extension Supplemental Effort #2**

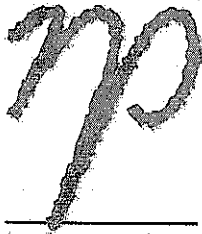
### **Scope of Services**

Protean Design Group will perform the following supplemental services for the Livingston Street Extension project in Orlando FL (see attached fee estimate for details) :

1. Revise construction plans to provide updates required as a result of new school construction at the NW corner of Parramore Ave/Livingston St.
2. Prepare plans for the removal of the existing Bently St/Parramore Ave intersection signal.
3. Prepare construction cost estimates for signal and ITS items.
4. Perform post design service activities including, shop drawing review, answering RFI's, prepare revisions and attend meetings.



NANCY PRINE



Landscape Architect

POST OFFICE BOX 536815  
ORLANDO, FLORIDA 32853

PHONE: 407-898-9200  
FAX: 407-898-5470

April 5, 2016  
Revised April 15, 2016

Mr. Marty L. Morlan, PE,  
Sr. Project Manager  
Littlejohn Engineering Associates  
111 Kelsey Lane  
Suite E  
Tampa, FL 33619

Re.: **West Livingston Street Extension**  
City Of Orlando  
Revised Proposal for Additional Services for Landscape Architectural Services

Dear Mr. Morlan:

Thank you for requesting this proposal for Additional Services for Landscape Architectural design services for West Livingston Street, an extension of the street being constructed by the City of Orlando, Florida as a portion of the Creative Village. The new street will extend from Parramore Avenue on the west to a new extension of Terry Avenue, on the east.

The Scope of the Additional Services includes updating of the cost estimate and technical specifications for the construction documents dated December 2014 for the landscape and irrigation for the roadway and providing limited Post-Design services. The proposed Scope of Additional Services are:

**Administration:** The Landscape Architect shall attend meetings as requested with the Littlejohn Engineering Associates (LEA), the City's project manager, staff and the design consultants to become familiar with the progress of the project for a total of 2 hours. The Landscape Architect will provide invoices and reports for the landscape design and construction progress of the constructed landscape elements.

**Post Design Services:** The Landscape Architect shall provide Post-Design services to assist the City in the construction and completion of the project. Tasks shall include on-site meetings (not to exceed 3 meetings), responses to request for information, review and approval of shop drawings, review of change orders, review of work for acceptance and preparation of punch lists and record documentation.

Mr. Marty L. Morlan, PE,  
 Sr. Project Manager  
 Littlejohn Engineering Associates  
 April 5, 2016  
 Revised April 15, 2016  
 Page 2 of 2

The following are the proposed additional services fees for West Livingston Street Landscape and Irrigation design:

Administration  
 Landscape Architect – Principal                                  4 hours @ \$98.00 = \$ 392.00

Update of Specifications and Details, Cost Estimates  
 Landscape Architect – Principal                                      1 hours @ \$98.00 = \$ 98.00  
 Landscape Architect – Design and CAD                                      1 hour @ \$95.00 = \$ 95.00

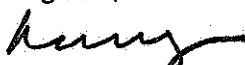
Landscape and Irrigation – Post Construction  
 Landscape Architect – Principal                                      16 hours @ \$98.00 = \$1,568.00  
 Landscape Architect – Design and CAD                                      3 hours @ \$95.00 = \$ 285.00  
 Landscape Architect – Irrigation Design                                      2 hours @ \$95.00 = \$ 190.00

**Total Fee** **\$2,628.00**

The project will be staffed by senior Landscape Architects providing administration, landscape design, irrigation and CAD services. The hourly fees are \$33.45 for Principal Landscape Architect and \$32.42 for Landscape Architect, the multiplier is 2.93 including a 10% profit margin.

Please call if you wish to discuss this proposal and the scope of services represented, I have endeavored to cover all of the tasks associated with the project, I would appreciate your comments and direction.

I look forward to continuing to working with you, Littlejohn and the City of Orlando on this project.

Best regards,  
  
 Nancy Prine, ASLA  
 FL PLA 0000160

# BOBES ASSOCIATES CONSULTING ENGINEERS, INC.

150 CIRCLE DRIVE

MAITLAND, FL 32751

June 24, 2016

Littlejohn Engineering Associates, Inc  
1615 Edgewater Drive  
Suite 180  
Orlando, Florida 32804

Attn: Marty L. Morlon, P.E.  
Sr Project Manager

Re: West Livingston Street Extension  
Additional Engineering, Environmental and Post Design Services  
City of Orlando RQS13-0536  
Orlando, Florida

Dear Marty,

We respectfully submit this professional engineering fee proposal for the design and preparation of Electrical Engineering plans and specifications for the above named project. This work shall be performed and invoiced on an hourly basis. The project consists of the following scope of work:

1. Task 8.7 Preparation of Construction Cost Estimates.
  - a. Preparation of a Preliminary Cost Estimate.
  - b. Preparation of a Final Cost Estimate.
  
2. Task 9.8 Technical Specifications and Bid Package
  - a. Attendance of a design review meeting
  - b. Finalization of Plans
  - c. Finalization of Specifications
  - d. Preparation of the Bid Package
  - e. Answer Bidders Questions
  - f. Submit for Permit. Signing and Sealing of the Electrical Permit plans and specifications for submittal to the Authority having Jurisdiction.
  - g. Answer Permit Questions
  
3. Task 10.9 Post Design Services
  - a. Answers Contractor's RFIs during construction.
  - b. Review Electrical Shop Drawings.
  - c. Review Change Orders.
  - d. Site Visits During Construction to review Installation and prepare report (2).
  - e. Attend Final Punch List Inspection and prepare report.
  - f. Preparation of Record Documents.
  
4. Courier Services between the offices of Bobes Associates and Littlejohn Engineers.

PHONE

(407) 628-0882

1

FAX

(407) 628-7024

Y:\CONTRACTS\CONTRACT-MASTERS\PROPOSALS 2014\LITTLEJOHN ENGINEERING\W LIVINGSTON STREET\POST DESIGN SERVICES\RQ8 13-0536 WEST LIVINGSTON ST STREETScape POST  
DESIGN-BOBES FEE-HOURLY 6-24-16.DOC 6/24/16

**Not included in our services are the following:**

1. Printing and Plotting of multiple sets of plans of the Electrical files.
2. Attendance of the pre bid meeting.
3. Attendance of the pre construction meeting

**The fee and breakdown for the above-mentioned professional services shall be as follows:**

<u>Task</u>	<u>Amount</u>
Task 8.7 Construction Cost Estimates (Hourly)	\$1,118.86
Task 9.4 Technical Specifications & Bid Package (Hourly)	\$2,183.50
Task 10.9 Post Design Services (Hourly)	<u>\$3,255.55</u>
<b>Total Fee</b>	<b>\$6,557.91</b>

All work shall be done on an hourly basis and will be invoiced monthly.

Any additional engineering services shall be provided on an hourly basis as per the hourly rates previously negotiated. Additional services shall be paid on a monthly as billed basis.

Fees and services are subject to change if not accepted within 90 days of the date of this proposal.

If the foregoing services, fees and arrangements are satisfactory, please sign one copy of this Agreement and return it to us for our records.

Sincerely,

Bobes Associates  
Consulting Engineers, Inc.

Accepted:  
Littlejohn Engineering Associates, Inc

Augusto E. Bobes Jr., P.E.  
Principal

Marty L. Morlon, P.E.  
Sr. Project Manager

Date: \_\_\_\_\_

Date: \_\_\_\_\_



Bobes Associates Consulting Engineers, Inc. - Fee Proposal  
 TABLE A-3  
 BREAKDOWN OF FEES (HOURLY)  
 RQS 13-0536  
 West Livingston Street Extension  
 Additional Engineering, Environmental and Post Design Services  
 Orlando, Florida  
 6-24-16

Position: Rate (\$/Hour):	\$0.00		\$122.89		\$98.32		\$102.86		CADD OPERATOR		CLERICAL		TOTAL
	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
<b>Task 8.7 Construction Cost Estimates</b>													
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
<b>Sub-Total Task 8.7</b>	0	\$0.00	0	\$0.00	0	\$0.00	0	\$1,028.60	0	\$0.00	2	\$90.26	\$1,118.86
<b>Task 9.8 Technical Specifications &amp; Bid Package</b>													
Review Meeting	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
Finalize Plans	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$308.58	0	\$0.00	0	\$0.00	\$308.58
Finalize Specifications	\$0.00	\$0.00	0	\$0.00	0	\$0.00	2	\$205.72	0	\$0.00	0	\$0.00	\$205.72
Prepare Bid Package	\$0.00	\$0.00	0	\$0.00	0	\$0.00	4	\$411.44	1	\$66.74	4	\$180.52	\$658.70
Answer Bidders Questions	\$0.00	\$0.00	0	\$0.00	0	\$0.00	1	\$102.86	2	\$133.48	0	\$0.00	\$236.34
Submit for Permit	\$0.00	\$0.00	0	\$0.00	0	\$0.00	3	\$308.58	0	\$0.00	1	\$45.13	\$653.71
Answer Permit Comments	\$0.00	\$0.00	0	\$0.00	0	\$0.00	2	\$205.72	0	\$0.00	1	\$45.13	\$451.85
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
<b>Sub-Total Task 9.8</b>	0	\$0.00	0	\$0.00	0	\$0.00	16	\$1,645.76	4	\$266.96	6	\$270.78	\$2,183.50
<b>Task 10.9 Post Design Services</b>													
Answer Contractor's RFIs	\$0.00	\$0.00	0	\$0.00	0	\$0.00	8	\$822.88	0	\$0.00	1	\$45.13	\$868.01
Review Shop Drawings	\$0.00	\$0.00	0	\$0.00	0	\$0.00	4	\$411.44	0	\$0.00	2	\$90.26	\$901.70
Review Change Orders	\$0.00	\$0.00	0	\$0.00	0	\$0.00	2	\$205.72	0	\$0.00	2	\$90.26	\$495.98
Site Visits During Construction to Review Installation (2)	\$0.00	\$0.00	0	\$0.00	0	\$0.00	6	\$617.16	0	\$0.00	2	\$90.26	\$707.42
Final Punch List Inspection	\$0.00	\$0.00	0	\$0.00	0	\$0.00	3	\$308.58	3	\$200.22	1	\$45.13	\$553.93
Preparation of Record Drawings	\$0.00	\$0.00	0	\$0.00	0	\$0.00	1	\$102.86	0	\$0.00	1	\$45.13	\$148.00
	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
<b>Sub-Total Task 10.9</b>	0	\$0.00	0	\$0.00	0	\$0.00	24	\$2,488.64	3	\$200.22	13	\$586.89	\$3,255.55
<b>TOTAL LUMP SUM FEE</b>	0	\$0.00	0	\$0.00	0	\$0.00	40	\$5,143.00	7	\$467.18	21	\$947.73	\$6,557.91



W Livingston Street Extension Schedule

24 31	November				December				January				February			March						
	7	14	21	28	5	12	19	26	2	9	16	23	30	6	13	20	27	6	13	20	27	

One Week During Construction