

December 6, 2011

Mr. D. Jesse Hegemier, P.E.  
County Engineer  
Fort Bend County  
1124 Blume Road  
Rosenberg, Texas 77471

Re: Invoice No. 4 for Front Street (FBC Project No. 747)  
Partial Payment for Work Authorization No. 1

Project No. 300701.12

Dear Mr. Hegemier:

We have reviewed the enclosed invoice by Lippke, Cartwright & Roberts, Inc. (LCR), and recommend payment in the amount of \$2,929.85, as submitted. The contract amount of \$90,736.00 for LCR was authorized in Work Authorization No. 1, which is effective until December 31, 2011. The percentages of completion for which the services have been invoiced appear to be consistent with the actual amount of work completed. LCR has also prepared a progress report, which is attached to the invoice for your review.

Please call me if you have any questions.

Sincerely,

Peter A. Ring, P.E.  
Project Manager

PAR/tmb

Enclosure



**LIPPKE CARTWRIGHT & ROBERTS**  
CONSULTING ENGINEERS

INVOICE

BILL TO:  
Fort Bend County Engineering  
c/o Shaumburg & Polk  
11767 Katy Freeway # 900  
Houston, TX 77079-1779  
Attn: Pete Ring

November 29, 2011  
Invoice # 11309  
Project # 404-0005  
Terms: Net 30

Fees for Professional Services rendered through 11/29/2011

RE: Front Street Extension WA No 1 PO No. 74318  
\* Reference attached Progress Report

Task	Description	Fee	% Complete	Fee Earned	Prior Billed	Fee Due
03	P.E.R.	\$ 41,855.00	76%	\$ 31,809.80	\$ 28,879.95	\$ 2,929.85
03	Topo Survey	\$ 18,500.00	93.2%	\$ 17,250.00	\$ 17,250.00	\$ -
03	Geotechnical	\$ 11,381.00	100%	\$ 11,381.00	\$ 11,381.00	\$ -
03	Signal Warrant Study	\$ 19,000.00	7%	\$ 1,330.00	\$ 1,330.00	\$ -
		<b>\$ 90,736.00</b>		<b>\$ 61,770.80</b>	<b>\$ 58,840.95</b>	<b>\$ 2,929.85</b>

Total Due this Invoice:

**\$ 2,929.85**

Please include Invoice number on remittance  
**Make checks payable to Lippke Cartwright & Roberts, Inc.**  
Thank you

JCR



**LIPPKÉ CARTWRIGHT & ROBERTS**  
CONSULTING ENGINEERS

December. 1, 2011

Pete Ring, PE  
SPI Engineering Inc.  
11,767 Katy Frwy. #900  
Houston. TX. 77079

Re: Front Street Extension Project PER, November, progress report.

Dear Mr. Ring:

We continued to tweak cross section sketches which we had circulated earlier showing how we plan to deal with the narrow ROW issue, which is down to 53' in places, and the eight utilities. We have managed to keep four traffic lanes, curbs, one 4' sidewalk, duct bank and large storm sewer. Ignoring the minimal phone cable and gas line for the moment, we have developed existing and proposed drawings for each of three areas:

1. The wide ROW near, Wheaton, widens to boulevard section; ties into Othon's job, requires no underground utility adjustments. Only an OH powerline needs to go.
2. Narrow 55' ROW: Four lanes, south of Austin; One sanitary line must be replaced.
3. Proposed two lane section north of Austin, and around Fort St. has ample ROW. Pavement replacement and utility adjustments may be delayed until traffic configuration issue is resolved. If not a water and sewer line will need to be replaced between Fort and Austin streets.

We began writing up the PER and concluded that since there is little remaining debate on items 1 and 2 above, we recommend speeding up the detailed design of this 1,200' portion of roadway so that it might be added to Othon's project. There are several advantages. To that end we began work on a detailed cost estimate, and included a draft, we welcome your input.

Duct Bank: We met with Fort Bend County rep for Office of Emergency Management (OEM), Charles King, his IT contractor Bruce Reeves, Chad Criswell with FB Co. Richard Stolleis, Charles Othon, and Pete Ring PE on Nov. 30 to discuss the south end tie in to the IT duct bank. We circulated detailed and nearly finalized cross sections and plots which showed the very tight conditions between Wheaton & Austin, which have narrowed available placement options for the duct bank to putting it under the roadway. We showed drawings of heavy duty manholes made locally and reasonably priced. We also showed drawings of a duct bank job we did in Chambers County. Charles King & Bruce Reeves requested four, 4" ducts. We all walked the site in front of the jail. Then we met with Charles King and walked the area on Third Street and Loop 762 near the OEM where the ducts will eventually tie in. We explained the timeline of construction. Mr. King said he needs some time to mull the issue and he will respond soon.

Sincerely

Bernard J. Murphy, PE  
Transportation Manager

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