

January 16, 2012

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

Re: Invoice No. 7 for Front Street (FBC Project No. 747)
Partial Payment for Work Authorization No. 1

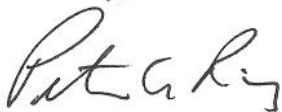
Project No. 300701.12

Dear Mr. Hegemier:

We have reviewed the enclosed invoice by Lippke, Cartwright & Roberts, Inc. (LCR), and recommend payment in the amount of \$5,859.70, as submitted. The contract amount of \$90,736.00 for LCR was authorized in Work Authorization No. 1, which is effective until June 30, 2012. 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.

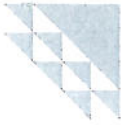
Sincerely,



Peter A. Ring, P.E.
Project Manager

PAR/tmb

Enclosure



LIPPKÉ 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

January 5, 2012
Invoice # 11328
Project # 404-0005
Terms: Net 30

Fees for Professional Services rendered through 12/31/2011

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	90%	\$ 37,669.50	\$ 31,809.80	\$ 5,859.70
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	\$ -
		\$ 90,736.00		\$ 67,630.50	\$ 61,770.80	\$ 5,859.70

Total Due this Invoice: **\$ 5,859.70**

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

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LIPPKE CARTWRIGHT & ROBERTS
CONSULTING ENGINEERS

January 5, 2012

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

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

Dear Mr. Ring:

- A. We have finalized cross sections for the PER which show the narrow Front St. ROW issue, (53'-58'). It shows four traffic lanes, one 5' sidewalk, a duct bank a large storm sewer; nine utilities in all. Last month we sent existing and proposed drawings for each of three areas. Additionally, we have thought through the construction process and developed a traffic control plan (TCP) concept.
1. The wide ROW boulevard section near Wheaton; ties into Othon's job. No underground utility adjustments. OH powerline on the river side needs to go, and possibly some power lines crossing the roadway. This is a complex subject and requires further discussion. The most recent traffic count (Dec.-2011) indicates a high right turn demand exiting the justice center, northbound onto Front St. at lunch time: 300 vph, growing to 400 vph. There is room for an auxiliary right turn lane. This is within Othon's project limit but we will need to make adjustments to our large storm sewer and pavement. We are awaiting a decision. There may also be a traffic signal installed here. No Major changes from last month.
 2. Narrow 53-58' ROW: Four lanes, south of Austin. One sanitary line must be replaced. We sent a memo, sketches, and cost estimate to SPI on Dec. 23. We have included TCP sketches which only allow room for one traffic lane during construction.
 3. Proposed two lane section, north of Austin. If the large storm sewer is extended north of Austin, we are concerned that heavy construction equipment and sand trucks will damage the shallow water and sewer lines. Again we sent a sketch and estimate for these two lines with the Dec. 23 memo mentioned above.
- B. We recommend speeding up the detailed design of the 1,200' long straight section of four lane roadway so that it might be added to Othon's William's Way project. This brings up the question of regional traffic control and detours onto Golfview. There is also a drainage component which we have factored into a diagram showing the three contracts: Front; William's; Golfview. Basically, we respectfully suggest that the projects be let by drainage systems, to ensure positive drainage and minimize traffic disruptions. Currently, 612 vph travel southbound on Front St. in AM peak
- C. On December 5, 2011, Mr. Harry Simeonidis PE presented the findings of the third traffic study of the "Square-about" block bounded by FM 762, Fort, Front & Austin Sts. Copies of the minutes are attached. Commissioner Morrison disagreed with the conclusions that a "Modified T" intersection was best when the sketches clearly showed that a "One Way Pair" had better LOS, and no ROW need. See attachment.
Commissioner Morrison seemed to favor the least invasive option which the OWP offers. Since no new ROW, pavement nor utility adjustments need be made this

option could be built quickly and cheaply mainly be re-striping existing pavement, adding some traffic signs and installing a traffic signal(s). This minimalist scenario also limits TxDOT's ability to stall the permit process with arcane rules and studies. Mr. Pete Ring discussed this with Jim Hunt and Barbara Russell of TxDOT.

Mr. Simeonidis said he would clarify his conclusions and report back shortly so we can release our sub consultant Amani to do the traffic warrant study which they had been ready to start back in August 2011. We are still waiting for a decision on this as the signal warrant is a requirement of our PER.

- D. Also at this meeting we learned about congestion problems at the two justice center entrances at Hillcrest and Legion. A signal warrant study was recommended. We addressed this in a letter to SPI, dated Dec. 9, 2011, wherein we offered the services of Amani Engineers who have already set prices to do the study at FM 762. Copy attached.

Sincerely

A handwritten signature in black ink, reading "Bernard J. Murphy, P.E." The signature is written in a cursive, flowing style.

Bernard J. Murphy, PE
Transportation Manager

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