



ITEM #29  
BOMA  
05/24/2011

## MEMORANDUM

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May 4, 2011

**TO:** Board of Mayor and Aldermen

**FROM:** Eric Stuckey, City Administrator *Eric*  
Eric Gardner, Director of Engineering  
Carl Baughman, Traffic/Transportation Engineer

**SUBJECT:** Rebid Recommendation for Contract 2011-0006,  
Bakers Bridge Avenue / Carothers Parkway Pedestrian Traffic Signalization

### **Purpose**

The purpose of this memo is to provide information to the Board of Mayor and Aldermen (BOMA) for the consideration of the bid response to the subject invitation to bid. The bids were opened on May 3, 2011.

### **Background**

Three Traffic Signal Capital projects identified for the 2010-11 budget year have been engineered by Kimley-Horn Associates under design contract 2010-0057 as the Cool Springs Intersection Improvements. The intersections are Galleria Boulevard & I-65, Mallory Lane & Mallory Station Road / South Springs Drive, and Bakers Bridge Avenue & Carothers Parkway. The third location only had an initial bid response of March 1, 2011 that resulted in a lone bid exceeding the available account balance. Therefore the Engineering Department in coordination with the Street Department has value engineered the project. The Street Department will also be completing some of the improvements to this intersection in house to be able to help keep the total cost within the budgeted amount. The work to be performed by the Street Department is \$16,314.00.

There were three contractors who purchased the rebid documents, and two responses.

### **Financial Impact**

Approval of this contract will cost the City \$25,647.50 to be paid for through the Traffic Signal Capital Budget. Combining the work performed by the Street Department with the lowest qualifying bid by S & W Contracting Company is well within the remaining balance in the Traffic Signal Capital account of \$84,860.

### **Recommendation**

As funds are available to construct this single intersection in this year's budget, Engineering recommends approval of this construction contract. The total cost of the project, when joined with the funds transfer to the Street Department, would amount to \$41,961.50, comparing favorably to the pre-value engineering estimate of \$54,324.05. If this contract is approved, the project should be completed within 120 calendar days of the issuance of the Notice to Proceed.

**Cool Springs Intersection Improvements  
Rebid Tabulation of Construction Cost**

Engineers Estimate

COF Project 2011-0006

ITEM NUMBER	DESCRIPTION	UNIT	UNIT COST	INTERSECTION 2	
				QUANTITY	EXTENSION
717-01	MOBILIZATION	LS	\$2,000.00	1.00	\$2,000.00
730-08.02	SIGNAL CABLE - 5 CONDUCTOR	L.F.	\$1.25	930.00	\$1,162.50
730-08.03	SIGNAL CABLE - 7 CONDUCTOR	L.F.	\$1.50	930.00	\$1,395.00
730-12.17	CONDUIT - 2.0 IN HDPE DIRECTIONAL BORED	L.F.	\$10.00	410.00	\$4,100.00
730-12.18	CONDUIT - 3.0 IN HDPE DIRECTIONAL BORED	L.F.	\$22.00	70.00	\$1,540.00
730-15.13	MODIFY CABINETS (ROUTE CABLES INTO CABINETS)	EACH	\$500.00	1.00	\$500.00
730-26.04	ACCESSIBLE PEDESTRIAN SIGNAL (APS) HEAD AND FRAMEWORK	EACH	\$650.00	8.00	\$5,200.00
730-26.05	APS 4-WIRE PUSHBUTTON AND 5" X 7" SIGN	EACH	\$400.00	8.00	\$3,200.00
<p align="right"><b>PROJECT TOTALS:</b></p>					\$19,097.50
<p align="right"><b>CONTINGENCY:</b></p>					\$5,000.00
<p align="right"><b>TOTAL CONSTRUCTION COST:</b></p>					<b>\$24,097.50</b>

# ESTIMATED QUANTITIES

FOOTNOTE	ITEM NUMBER	DESCRIPTION	UNIT	INT. 1 QUANTITY	INT. 2 QUANTITY	INT. 3 QUANTITY	TOTAL QUANTITY	TAKEOFF	ADJUSTED	TAKEOFF	ADJUSTED	TAKEOFF	ADJUSTED	CONTINGENCY	INT. 1	INT. 2	INT. 3	INT. 1	INT. 2	INT. 3	ADJUSTED	TAKEOFF	ADJUSTED		
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1	-	-	1							N	1	0	0	1	0	0	0				
	201-05.30	VEGETATION REMOVAL	S.Y.	-	-	-	1							N	0	0	0	0	0	0	0				
	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	-	-	4,270	4,270							Y	0	0	0	0	0	0	0	3,874	4,270		
	202-03.01	REMOVAL OF ASPHALT PAVEMENT	S.Y.	-	-	1,250	1,250							Y	0	0	0	0	0	0	0	1,132	1,250		
	202-08.10	REMOVAL OF CURB	L.F.	70	210	720	1,000							Y	60	184	210	650	70	184	210	650	720		
	203-01.05	EXCAVATION	C.Y.	-	-	-	380							Y	0	0	0	0	0	0	0	0	345	380	
1	209-01.10	EROSION AND SILTATION CONTROL	LS	-	-	-	1							N	0	0	0	0	0	0	0	0	1	1	
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	-	-	-	400							Y	0	0	0	0	0	0	0	0	360	400	
	307-02.01	ASPHALT CEMENT (PG70-22) (BPMB-HM) GRADING A	TON	-	-	-	130							Y	0	0	0	0	0	0	0	0	115	130	
	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	-	-	-	70							Y	0	0	0	0	0	0	0	0	60	70	
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	-	-	-	1							N	0	0	0	0	0	0	0	0	1	1	
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	-	-	-	1							N	0	0	0	0	0	0	0	0	1	1	
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	-	-	-	1							N	0	0	0	0	0	0	0	0	1	1	
	407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	30	50	50	140							Y	24	30	40	50	30	40	50	50	60	60	
	411-02.11	ACS MIX (PG70-22) GRADING D RWDY	TON	-	-	-	390							Y	0	0	0	0	0	0	0	0	350	390	
2	701-01.01	CONCRETE SIDEWALK (4')	S.F.	1,080	220	-	1,300							Y	975	1,080	200	220	0	0	0	0	0	0	
	701-02.03	CONCRETE HANDICAP RAMP	S.F.	500	990	850	2,340							Y	450	500	900	990	770	770	770	850	850	850	
	701-03	CONCRETE MEDIAN PAVEMENT	C.Y.	20	-	-	20							Y	15	20	0	0	0	0	0	0	0	0	
	701-03.10	REMOVAL & DISPOSAL OF CONCRETE MEDIAN	S.F.	110	560	-	670							Y	100	110	505	560	0	0	0	0	0	0	
	702-01.02	CONCRETE CURB	L.F.	70	210	40	320							Y	60	70	184	210	30	40	40	40	40		
3	712-01	TRAFFIC CONTROL	LS	1	-	-	2							N	1	1	0	0	0	0	0	1	1		
4	713-15.36	REMOVE SIGN, SUPPORT & FOOTING	EACH	2	-	2	4							N	2	2	0	0	0	0	0	2	2		
	713-16.20	SIGNS (INTERALLY ILLUMINATED STREET NAME SIGN "Galleria Blvd")	EACH	1	-	-	1							N	1	1	0	0	0	0	0	0	0		
4	713-16.21	SIGNS (R1-2, 36" X 36" X 36")	EACH	2	-	-	2							N	2	2	0	0	0	0	0	0	0		
4	713-16.22	SIGNS (R10-6L, 24" X 36")	EACH	1	-	-	1							N	1	1	0	0	0	0	0	0	0		
4	713-16.23	SIGNS (R10-6R, 24" X 36")	EACH	1	-	-	1							N	1	1	0	0	0	0	0	0	0		
4	713-16.24	SIGNS (R3-3, 36" X 36")	EACH	2	-	-	2							N	2	2	0	0	0	0	0	0	0		
4	713-16.25	SIGNS (R3-5R, 30" X 36")	EACH	2	-	-	2							N	2	2	0	0	0	0	0	0	0		
4	713-16.26	SIGNS (R3-5a, 30" X 36")	EACH	4	-	-	4							N	4	4	0	0	0	0	0	0	0		
4	713-16.27	SIGNS (R5-1, 36" X 36")	EACH	2	-	-	2							N	2	2	0	0	0	0	0	0	0		
4	713-16.28	SIGNS (R1-5aR, 30" X 42")	EACH	-	1	1	2							N	0	0	1	1	1	1	1	1	1		
4	713-16.29	SIGNS (R1-5aL, 30" X 42")	EACH	-	1	1	2							N	0	0	1	1	1	1	1	1	1		
4	713-16.30	SIGNS (R3-8c, 30" X 48")	EACH	-	-	-	3							N	0	0	0	0	0	0	0	0	3	3	
	714-08.32	REMOVAL OF LIGHT STANDARD & FOUNDATION	EACH	-	-	-	1							N	0	0	0	0	0	0	0	1	1		
5	714-09.09	LUMINAIRE	EACH	1	-	-	1							N	1	1	0	0	0	0	0	0	0		
	716-02.01	PLASTIC PAVEMENT MARKING (4" LINE)	L.F.	370	-	-	3,930							Y	330	370	0	0	0	0	0	3,235	3,560		
	716-02.03	PLASTIC PAVEMENT MARKING (CROSSWALK)	L.F.	110	410	400	920							Y	100	110	365	410	365	410	365	410	360	400	
	716-02.04	PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	-	-	-	110							Y	0	0	0	0	0	0	0	0	95	110	

