



MEMORANDUM

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">PROJECT TOTALS:</p>					\$19,097.50
<p align="right">CONTINGENCY:</p>					\$5,000.00
<p align="right">TOTAL CONSTRUCTION COST:</p>					\$24,097.50

ESTIMATED QUANTITIES

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

TAKEOFF	ADJUSTED	TAKEOFF	ADJUSTED	TAKEOFF	ADJUSTED	TAKEOFF	ADJUSTED	TAKEOFF	ADJUSTED	CONTINGENCY	INT. 1	INT. 2	INT. 3	INT. 1	INT. 2	INT. 3	INT. 1	INT. 2	INT. 3	ADJUSTED	TAKEOFF	ADJUSTED	
										N	1	0	1	1	0	1	1	0	0	1			
										N	0	0	1	0	0	1	0	0	0	1			
										Y	0	0	0	0	0	0	0	0	0	0			
										Y	0	0	0	0	0	0	0	0	0	0			
										Y	60	184	210	60	70	184	210	60	70	184			
										Y	0	0	0	0	0	0	0	0	0	0			
										N	0	0	0	0	0	0	0	0	0	0			
										Y	0	0	0	0	0	0	0	0	0	0			
										Y	24	40	50	24	30	40	50	24	30	40			
										Y	0	0	0	0	0	0	0	0	0	0			
										Y	975	200	220	975	1,080	200	220	975	1,080	200			
										Y	450	900	990	450	500	900	450	500	900	990			
										Y	15	0	0	15	20	0	0	15	20	0			
										Y	100	506	560	100	110	506	100	110	506	560			
										Y	60	184	210	60	70	184	210	60	70	184			
										N	1	0	1	1	1	0	1	1	0	1			
										N	2	0	2	2	2	0	2	2	2	0			
										N	1	0	0	1	1	0	0	1	1	0			
										N	2	0	0	2	2	0	0	2	2	0			
										N	2	0	0	2	2	0	0	2	2	0			
										N	4	0	0	4	4	0	0	4	4	0			
										N	2	0	0	2	2	0	0	2	2	0			
										N	0	1	1	0	0	1	1	0	0	1			
										N	0	1	1	0	0	1	1	0	0	1			
										N	0	0	3	0	0	0	3	0	0	3			
										N	0	0	1	0	0	0	1	0	0	1			
										N	1	0	0	1	1	0	0	1	1	0			
										Y	330	0	0	330	370	0	0	330	370	0			
										Y	100	365	410	100	110	365	410	100	110	365			
										Y	0	0	0	0	0	0	0	0	0	0			

	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	90	140	90	320
	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	8	-	10	18
	716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	170	-	170	340
	716-03.01	PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH	6	-	7	13
	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	2	-	3	5
	716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	60	40	50	150
6	717-01	MOBILIZATION	LS	1	1	1	3
	730-01.02	REMOVAL OF SIGNAL EQUIPMENT	EACH	1	-	1	2
7	730-02.09	SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE)	EACH	8	-	1	9
7	730-02.30	SIGNAL HEAD ASSEMBLY (130A3 WITH BACKPLATE)	EACH	-	-	3	3
	730-03.20	INSTALL PULL BOX (TYPE A)	EACH	11	-	4	15
	730-03.21	INSTALL PULL BOX (TYPE B)	EACH	1	-	-	1
8	730-05.01	ELECTRICAL SERVICE CONNECTION	EACH	1	-	-	1
	730-05.02	SERVICE CABLE (2 CONDUCTOR, # 8 AWG)	L.F.	250	-	240	490
	730-08.01	SIGNAL CABLE - 3 CONDUCTOR	L.F.	220	-	-	220
	730-08.02	SIGNAL CABLE - 5 CONDUCTOR	L.F.	710	930	900	2,540
	730-08.03	SIGNAL CABLE - 7 CONDUCTOR	L.F.	150	930	900	1,980
	730-08.10	SIGNAL CABLE - 2 CONDUCTOR SHIELDED	L.F.	690	-	-	690
	730-12.17	CONDUIT - 2.0 IN HDPE DIRECTIONAL BORED	L.F.	510	410	270	1,190
	730-12.18	CONDUIT - 3.0 IN HDPE DIRECTIONAL BORED	L.F.	190	70	-	260
9	730-13.03	VEHICLE DETECTOR (4-CHANNEL, RACK MOUNT)	EACH	3	-	1	4
	730-14.02	SAW SLOT	L.F.	820	-	880	1,700
	730-14.03	LOOP WIRE	L.F.	1,480	-	1,620	3,100
10	730-15.13	MODIFY CABINETS (ROUTE CABLES INTO CABINETS)	EACH	-	1	1	2
11	730-15.32	CABINET (EIGHT PHASE BASE MOUNTED)	EACH	1	-	-	1
12	730-16.01	EIGHT PHASE ACTUATED CONTROLLER	EACH	1	-	-	1
	730-23.30	PEDESTAL POLE (8 FT HEIGHT)	EACH	3	-	-	3
13	730-23.31	PEDESTAL POLE (10 FT HEIGHT)	EACH	1	-	1	2
13	730-23.96	CANTILEVER SIGNAL SUPPORT (1 ARM @ 20' W/ LUMINAIRE EXTENSION)	EACH	1	-	-	1
13	730-23.97	CANTILEVER SIGNAL SUPPORT (1 ARM @ 50')	EACH	1	-	-	1
	730-24.02	FOUNDATION (TRAFFIC SIGNAL CONTROLLER)	EACH	1	-	-	1
14	730-26.03	PEDESTRIAN SIGNAL HEAD, PUSHBUTTON & 12" SIGN	EACH	4	-	8	12
	730-26.04	ACCESSIBLE PEDESTRIAN SIGNAL (APS) HEAD AND FRAMEWORK	EACH	-	8	-	8
	730-26.05	APS 4-WIRE PUSHBUTTON AND 5" X 7" SIGN	EACH	-	8	-	8
15	803-01	SODDING (NEW SOD)	S.Y.	60	60	330	450

Y	75	90	120	140	80	90
N	8	8	0	0	10	10
Y	150	170	0	0	150	170
N	6	6	0	0	7	7
N	2	2	0	0	3	3
Y	54	60	36	40	39	50
N	1	1	1	1	1	1
N	1	1	0	0	1	1
N	8	8	0	0	1	1
N	0	0	0	0	3	3
N	11	11	0	0	4	4
N	1	1	0	0	0	0
N	1	1	0	0	0	0
Y	225	250	0	0	215	240
Y	200	220	0	0	0	0
Y	640	710	840	930	818	900
Y	130	150	840	930	818	900
Y	624	690	0	0	0	0
Y	455	510	370	410	240	270
Y	171	190	55	70	0	0
N	3	3	0	0	1	1
Y	742	820	0	0	792	880
Y	1,344	1,480	0	0	1,464	1,620
N	0	0	1	1	1	1
N	1	1	0	0	0	0
N	1	1	0	0	0	0
N	3	3	0	0	0	0
N	1	1	0	0	1	1
N	1	1	0	0	0	0
N	1	1	0	0	0	0
N	4	4	0	0	8	8
N	0	0	8	8	0	0
N	0	0	8	8	0	0
Y	50	60	50	60	300	330