



Travis County Commissioners Court Agenda Request

Meeting Date: October 1, 2013

Prepared By: Steve Sun, P.E., Assistant Public Works Director

Phone #: (512) 854-4660

Division Director/Manager: Steve Sun, P.E., Assistant Public Works Director

Department Head:  Steven M. Manilla, P.E., County Executive-TNR

Sponsoring Court Member: Commissioner Daugherty, Precinct Three

AGENDA LANGUAGE: Consider and take appropriate action on a request to use available Precinct Three bond savings to provide additional funds needed for the construction contract award for Bee Creek Road Improvements project.

BACKGROUND/SUMMARY OF REQUEST:

Bee Creek Road is a Capital Improvement Project approved by voters in the 2011 bond referendum this project will improve Bee Creek Road from Hwy 71 to its intersection with Highland Boulevard. The total length is about one mile. The existing Bee Creek Road is a narrow and winding two-lane road with no shoulder, curb, or gutter. The area terrain is rough, hilly, cut to the hill, fill to the bluff, and retaining walls are required to meet roadway design geometry requirements. Since the opening of the Highland Boulevard in City of Lakeway, traffic on Bee Creek Road is ever increasing. This project will improve Bee Creek Road from a two-lane road to a four-lane road and will be a divided arterial with bike lanes and sidewalks on both sides of the road.

Bids for construction of Bee Creek Road were received on September 12, 2013. There were four bids received. The lowest and responsive bid received from Chasco Construction was in the amount of \$9,093,996.70 which is about 7.8% higher than the engineer's estimate of \$8,430,581.55. Current available budget from approved 2011 bond funds is \$8,885,244 (including \$144,705 to be received from Lake Travis ISD for cost share of traffic signals at the new middle school). Additional \$208,752.70 is needed to award the construction contract. TNR requests a total of \$600,000 to be allocated to this project to cover the construction contract amount and to allow for construction contingency. The County Attorney's Office, County Auditor's Office, and The Planning and Budget Office have reviewed this funds allocation.

STAFF RECOMMENDATIONS:

Staff recommends approval of using Precinct Three Bond Savings to provide additional funds needed to award the construction contract and to allow for construction contingency.

ISSUES AND OPPORTUNITIES:

Four bids were received for this project. The original lowest bidder, Smith Contracting, requested their bid to be withdrawn due to a mistake on the bid. Chasco became the next lowest and most responsive bidder. Although Chasco's bid is about 7.8% higher than the engineer's estimate, TNR recommends not to re-bid the project. From recent bids received, a trend of higher bids is observed. From past experience, re-bidding the projects typically resulted in higher bids. A new Lake Travis ISD Middle School located along Bee Creek Road is scheduled to open in fall 2013. Re-bidding the project will cause delay in meeting the schedule to have two lanes of road completed before the school opening.

FISCAL IMPACT AND SOURCE OF FUNDING:

\$600,000 Precinct Three Bond savings are to be allocated from the following source of funding to the Bee Creek Road project. See attachment for source of funding.

ATTACHMENTS/EXHIBITS:

- Bid Tabulation
- Funds Reservation Documents

REQUIRED AUTHORIZATIONS:

Chasco

Cynthia McDonald	Financial Manager	TNR	(512) 854-4239
Steven M. Manilla	County Executive	TNR	(512) 854-9429
John Hille	Asst County Attorney	County Attorney	(512) 854-9415
Nicki Riley	County Auditor	Auditor	(512) 854-9125
Leslie Browder	County Executive - PBO	PBO	(512) 854-9106
Cyd Grimes	Purchasing Agent	Purchasing	(512) 854-9700

CC:

Steve Sun	Assistant Public Works Director	TNR	(512) 854-4660
Donna Williams-Jones	Financial Analyst Senior	TNR	(512) 854-7677
Tawana Gardner	Financial Analyst Senior	TNR	(512) 854-7679
Tony Valdez	Engineer Senior	TNR	(512) 854-7567
Isabelle Lopez	Financial Analyst Senior	TNR	(512) 854-7675

SS:SS:ss 3101 - Public Works/CIP - Bee Creek Road Improvements

Bee
Creek
Road

FRD	30000641	30000648	30000648	30000876	30000870	30000870	Grand Total
Fund	4074	4074	4083	4083	4046	4048	
FC	1490190000	1490190000	1490190000	1490190000	1490190000	1490190000	
G/L Acct.	522040	522040	522040	522040	522040	522040	
WBS	RDCN.149.000008.08	RDCN.149.000008.08	RDCN.149.000008.08	RDCN.149.000008.08	RDCN.149.000008.08	RDCN.149.000008.08	
Amount:	\$569,800.00	\$2,379,649.00	\$5,920,351.00	\$178,417.00	\$18,067.00	\$581,933.00	\$9,648,217.00

Funds Reservation 300000641

General Data			
Document type	NE	Document type	030
Company code	1000	Document date	07/01/2013
FM area	1000	Posting date	07/01/2013
Controlling area	1000	Currency	USD/ 1.00000
Statistics			
Entered by	GARDNET	Created on	07/01/2013
Last changed by		Last changed	
More Data			
Text	Bee Creek TxDOT AFA @ SH71		
Reference			
Overall Amount	569,800.00 USD		

Document item 001			
Text	Bee Creek TxDOT AFA @ SH71		
Commitment item	522040	Funds center	1490190000
Fund	4074	G/L account	522040
Cost center		Due on	
Vendor		Customer	
Amount	569,800.00 USD		

Funds Reservation 300000648

General Data			
Document type	NE	Document type	030
Company code	1000	Document date	07/16/2013
FM area	1000	Posting date	07/16/2013
Controlling area	1000	Currency	USD/ 1.00000
Statistics			
Entered by	LOPEZI	Created on	07/16/2013
Last changed by		Last changed	
More Data			
Text	Bee Creek Road-Construction Bid Process		
Reference			
Overall Amount	8,300,000.00 USD		

Document item 001			
Text	Bee Creek Road-Construction Bid Process		
Commitment item	522040	Funds center	1490190000
Fund	4074	G/L account	522040
Cost center	1490190000	Due on	
Vendor		Customer	
Amount	2,379,649.00 USD		

Document item 002			
Text	Bee Creek Road-Construction Bid Process		
Commitment item	522040	Funds center	1490190000
Fund	4083	G/L account	522040
Cost center	1490190000	Due on	
Vendor		Customer	
Amount	5,920,351.00 USD		

Funds Reservation 300000876

General Data			
Document type	FC	Document type	030
Company code	1000	Document date	09/26/2013
FM area	1000	Posting date	09/26/2013
Controlling area	1000	Currency	USD/ 1.00000
Statistics			
Entered by	LOPEZI	Created on	09/26/2013
Last changed by		Last changed	
More Data			
Text	Bee Creek Road (Const.)		
Reference			
Overall Amount	178,417.00 USD		

Document item 001			
Text	Bee Creek Const.		
Commitment item	522040	Funds center	1490190000
Fund	4083	G/L account	522040
Cost center	1490190000	Due on	
Vendor		Customer	
Amount	178,417.00 USD		

Funds Reservation 300000870

General Data			
Document type	FC	Document type	030
Company code	1000	Document date	09/26/2013
FM area	1000	Posting date	09/26/2013
Controlling area	1000	Currency	USD/ 1.00000
Statistics			
Entered by	LOPEZI	Created on	09/26/2013
Last changed by		Last changed	
More Data			
Text	Bee Creek Road (2001 Pct. 3 Road Bond Savings)		
Reference			
Overall Amount	600,000.00 USD		

Document item 001			
Text	Bee Creek Rd. Const.		
Commitment item	522040	Funds center	1490190000
Fund	4046	G/L account	522040
Cost center	1490190000	Due on	
Vendor		Customer	
Amount	18,067.00 USD		

Document item 002			
Text	Bee Creek Rd. Const.		
Commitment item	522040	Funds center	1490190000
Fund	4048	G/L account	522040
Cost center	1490190000	Due on	
Vendor		Customer	
Amount	581,933.00 USD		

Item No.	ITM	DES	SP	Item Description	Unit	Quantity	Engineer's Estimate		Smith		Chasco		RGM		Capital	
							Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
CONSTRUCTION: ROADWAY ITEMS																
100	2002			PREP ROW	STA	61	\$ 1,000.00	\$ 61,000.00	\$ 1,363.00	\$ 83,143.00	\$ 3,470.00	\$ 211,670.00	\$ 5,000.00	\$ 305,000.00	\$ 5,000.00	\$ 305,000.00
104	2009			REMOVING CONC (RIPRAP)	SY	743	\$ 12.00	\$ 8,916.00	\$ 5.00	\$ 3,715.00	\$ 4.00	\$ 2,972.00	\$ 16.00	\$ 11,888.00	\$ 17.00	\$ 12,631.00
105	2020			REMOVING STAB BASE AND ASPH PAV (12")	SY	3,680	\$ 2.00	\$ 7,360.00	\$ 10.00	\$ 36,800.00	\$ 7.85	\$ 28,888.00	\$ 7.00	\$ 25,760.00	\$ 14.00	\$ 51,520.00
110	2001			EXCAVATION (ROADWAY)	CY	70,982	\$ 8.00	\$ 567,856.00	\$ 20.00	\$ 1,419,640.00	\$ 19.00	\$ 1,348,658.00	\$ 25.00	\$ 1,774,550.00	\$ 30.00	\$ 2,129,460.00
132	2006			EMBANKMENT (FINAL) (DENS CONT) (TY C)	CY	18,334	\$ 12.00	\$ 220,008.00	\$ 4.00	\$ 73,336.00	\$ 7.00	\$ 128,338.00	\$ 24.00	\$ 440,016.00	\$ 20.00	\$ 366,680.00
247	2042			FL BS (CMP IN PLC) (TY A GR 2) (FNAL POS)	CY	2,604	\$ 32.00	\$ 83,328.00	\$ 39.00	\$ 101,556.00	\$ 35.00	\$ 91,140.00	\$ 50.00	\$ 130,200.00	\$ 50.00	\$ 130,200.00
275	2015			CEMENT TREAT (MX EXST MTL & NW BS) (11')	SY	40,687	\$ 4.00	\$ 162,748.00	\$ 6.00	\$ 244,122.00	\$ 8.00	\$ 325,496.00	\$ 5.10	\$ 207,503.70	\$ 2.75	\$ 111,889.25
310	2001			PRIME COAT (MC-30)	GAL	8,986	\$ 4.10	\$ 36,842.60	\$ 3.80	\$ 34,146.80	\$ 3.50	\$ 31,451.00	\$ 3.75	\$ 33,697.50	\$ 5.00	\$ 44,930.00
341	2014			D-GR HMA (QCQA) TY-B PG 70-22	TON	6,864	\$ 90.00	\$ 617,760.00	\$ 65.00	\$ 446,160.00	\$ 65.00	\$ 446,160.00	\$ 74.00	\$ 507,936.00	\$ 85.00	\$ 583,440.00
341	2048			D-GR HMA (QCQA) TY-C SAC - B PG 70-22	TON	6,463	\$ 95.00	\$ 613,985.00	\$ 72.00	\$ 465,336.00	\$ 70.00	\$ 452,410.00	\$ 80.00	\$ 517,040.00	\$ 90.00	\$ 581,670.00
341	2122			D-GR HMA (QCQA) TY-D PG70-22	TON	120	\$ 100.00	\$ 12,000.00	\$ 110.00	\$ 13,200.00	\$ 75.00	\$ 9,000.00	\$ 85.00	\$ 10,200.00	\$ 85.00	\$ 10,200.00
402	2001			TRENCH EXCAVATION PROTECTION	LF	3,809	\$ 1.10	\$ 4,189.90	\$ 1.00	\$ 3,809.00	\$ 1.00	\$ 3,809.00	\$ 6.50	\$ 24,758.50	\$ 3.00	\$ 11,427.00
403	2001			TEMPORARY SPL SHORING	SF	37,314	\$ 24.00	\$ 895,536.00	\$ 0.25	\$ 9,328.50	\$ 14.00	\$ 522,396.00	\$ 26.00	\$ 970,164.00	\$ 15.00	\$ 559,710.00
420	2002			CL B CONC (FLUME)	CY	200.0	\$ 400.00	\$ 80,000.00	\$ 350.00	\$ 70,000.00	\$ 400.00	\$ 80,000.00	\$ 385.00	\$ 77,000.00	\$ 400.00	\$ 80,000.00
423	2001			RETAINING WALLS (MSE)	SF	47,132	\$ 40.00	\$ 1,885,280.00	\$ 33.00	\$ 1,555,356.00	\$ 48.00	\$ 2,262,336.00	\$ 36.00	\$ 1,696,752.00	\$ 50.00	\$ 2,356,600.00
432	2002			RIPRAP (CONC) (5 IN)	CY	3	\$ 325.00	\$ 975.00	\$ 1,000.00	\$ 3,000.00	\$ 550.00	\$ 1,650.00	\$ 800.00	\$ 2,400.00	\$ 1,000.00	\$ 3,000.00
432	2002			RIPRAP (STONE PROTECTION) (DRY)	CY	115	\$ 74.00	\$ 8,510.00	\$ 75.00	\$ 8,625.00	\$ 88.00	\$ 10,120.00	\$ 185.00	\$ 21,275.00	\$ 200.00	\$ 23,000.00
432	2039			RIPRAP (MOW STRIP) (4 IN)	CY	124	\$ 420.00	\$ 52,080.00	\$ 350.00	\$ 43,400.00	\$ 360.00	\$ 44,640.00	\$ 425.00	\$ 52,700.00	\$ 750.00	\$ 93,000.00
450	2025			RAIL (TY PR1)	LF	1,526	\$ 75.00	\$ 114,450.00	\$ 85.00	\$ 129,710.00	\$ 88.00	\$ 134,288.00	\$ 95.00	\$ 144,970.00	\$ 90.00	\$ 137,340.00
450	2073			RAIL (HANDRAIL)(TY B)	LF	29	\$ 75.00	\$ 2,175.00	\$ 100.00	\$ 2,900.00	\$ 66.00	\$ 1,914.00	\$ 72.00	\$ 2,088.00	\$ 95.00	\$ 2,755.00
462	2014			CONC BOX CULV (7 FT X 3 FT)	LF	113	\$ 270.00	\$ 30,510.00	\$ 385.00	\$ 43,505.00	\$ 373.00	\$ 42,149.00	\$ 365.00	\$ 41,245.00	\$ 500.00	\$ 56,500.00
462	2015			CONC BOX CULV (7 FT X 4 FT)	LF	109	\$ 340.00	\$ 37,060.00	\$ 444.00	\$ 48,396.00	\$ 415.00	\$ 45,235.00	\$ 400.00	\$ 43,600.00	\$ 600.00	\$ 65,400.00
464	2005			RC PIPE (CL III)(24 IN)	LF	1,942	\$ 48.00	\$ 93,216.00	\$ 50.00	\$ 97,100.00	\$ 76.00	\$ 147,592.00	\$ 90.00	\$ 174,780.00	\$ 80.00	\$ 155,360.00
464	2007			RC PIPE (CL III)(30 IN)	LF	89	\$ 59.00	\$ 5,251.00	\$ 75.00	\$ 6,675.00	\$ 88.00	\$ 7,832.00	\$ 120.00	\$ 10,680.00	\$ 130.00	\$ 11,570.00
464	2009			RC PIPE (CL III)(36 IN)	LF	370	\$ 79.00	\$ 29,230.00	\$ 80.00	\$ 29,600.00	\$ 131.00	\$ 48,470.00	\$ 130.00	\$ 48,100.00	\$ 125.00	\$ 46,250.00
464	2010			RC PIPE (CL III)(42 IN)	LF	792	\$ 110.00	\$ 87,120.00	\$ 110.00	\$ 87,120.00	\$ 160.00	\$ 126,720.00	\$ 250.00	\$ 198,000.00	\$ 240.00	\$ 190,800.00
464	2022			RC PIPE (CL IV)(24 IN)	LF	202	\$ 52.00	\$ 10,504.00	\$ 55.00	\$ 11,110.00	\$ 77.00	\$ 15,554.00	\$ 95.00	\$ 19,190.00	\$ 100.00	\$ 20,200.00
464	2024			RC PIPE (CL IV)(30 IN)	LF	178	\$ 64.00	\$ 11,392.00	\$ 82.00	\$ 14,596.00	\$ 94.00	\$ 16,732.00	\$ 130.00	\$ 23,140.00	\$ 120.00	\$ 21,360.00
465	2736			INLET (COMPL)(TY H WITH GRATE) (5'X5')	EA	1	\$ 3,000.00	\$ 3,000.00	\$ 5,500.00	\$ 5,500.00	\$ 7,100.00	\$ 7,100.00	\$ 9,500.00	\$ 9,500.00	\$ 5,000.00	\$ 5,000.00
465				MODIFIED HORIZONTAL INLET TYPE H WITH LID (6'X6')	EA	5	\$ 5,000.00	\$ 25,000.00	\$ 6,500.00	\$ 32,500.00	\$ 6,100.00	\$ 30,500.00	\$ 10,000.00	\$ 50,000.00	\$ 8,000.00	\$ 40,000.00
465				MODIFIED HORIZONTAL INLET TYPE H WITH LID (7'X7')	EA	1	\$ 6,000.00	\$ 6,000.00	\$ 8,500.00	\$ 8,500.00	\$ 7,010.00	\$ 7,010.00	\$ 11,000.00	\$ 11,000.00	\$ 9,000.00	\$ 9,000.00
465	2013			4' MANH (COMPL) (TY A)	EA	13	\$ 4,300.00	\$ 55,900.00	\$ 2,200.00	\$ 28,600.00	\$ 2,400.00	\$ 31,200.00	\$ 4,000.00	\$ 52,000.00	\$ 3,000.00	\$ 39,000.00
465	2013			5' MANH (COMPL) (TY A)	EA	3	\$ 5,500.00	\$ 16,500.00	\$ 3,600.00	\$ 10,800.00	\$ 4,100.00	\$ 12,300.00	\$ 5,500.00	\$ 16,500.00	\$ 5,000.00	\$ 15,000.00
465	2013			6' MANH (COMPL) (TY A)	EA	3	\$ 6,500.00	\$ 19,500.00	\$ 4,200.00	\$ 12,600.00	\$ 5,520.00	\$ 16,560.00	\$ 7,500.00	\$ 22,500.00	\$ 6,000.00	\$ 18,000.00
465	2013			8' MANH (COMPL) (TY A)	EA	1	\$ 8,000.00	\$ 8,000.00	\$ 12,000.00	\$ 12,000.00	\$ 11,700.00	\$ 11,700.00	\$ 15,000.00	\$ 15,000.00	\$ 13,000.00	\$ 13,000.00
465	2028			INLET (COMPL) (CURB) (TY II) (15')	EA	15	\$ 7,000.00	\$ 105,000.00	\$ 5,500.00	\$ 82,500.00	\$ 7,060.00	\$ 105,900.00	\$ 9,000.00	\$ 135,000.00	\$ 7,000.00	\$ 105,000.00
466	2130			HEADWALL (CH-PW-0)(DIA=42 IN)	EA	2	\$ 5,400.00	\$ 10,800.00	\$ 5,368.00	\$ 10,736.00	\$ 4,530.00	\$ 9,060.00	\$ 11,000.00	\$ 22,000.00	\$ 5,000.00	\$ 10,000.00
467	2018			SET(TY I)(36 IN)(6:1)(C)	EA	1	\$ 6,300.00	\$ 6,300.00	\$ 6,000.00	\$ 6,000.00	\$ 2,230.00	\$ 2,230.00	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00
467	2128			SET(TY I)(36 IN)(S=7 FT)(HW= 4 FT)(4:1) (C)	EA	1	\$ 19,900.00	\$ 19,900.00	\$ 10,500.00	\$ 10,500.00	\$ 5,680.00	\$ 5,680.00	\$ 17,000.00	\$ 17,000.00	\$ 7,000.00	\$ 7,000.00
496	2006			REMOV STR (HEADWALL)	EA	2	\$ 935.00	\$ 1,870.00	\$ 750.00	\$ 1,500.00	\$ 400.00	\$ 800.00	\$ 5,500.00	\$ 11,000.00	\$ 4,000.00	\$ 8,000.00
496	2016			REMOV STR (PIPE)	EA	5	\$ 295.00	\$ 1,475.00	\$ 500.00	\$ 2,500.00	\$ 900.00	\$ 4,500.00	\$ 4,000.00	\$ 20,000.00	\$ 2,000.00	\$ 10,000.00
502	2001			BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	18	\$ 3,500.00	\$ 63,000.00	\$ 2,500.00	\$ 45,000.00	\$ 3,250.00	\$ 58,500.00	\$ 8,000.00	\$ 144,000.00	\$ 1,200.00	\$ 21,600.00
512	2008			PORT CTB (FUR & INST)(LOW PROF)(TY 1)	LF	2,000	\$ 10.00	\$ 20,000.00	\$ 50.00	\$ 100,000.00	\$ 55.00	\$ 110,000.00	\$ 58.00	\$ 116,000.00	\$ 50.00	\$ 100,000.00
512	2009			PORT CTB (FUR & INST)(LOW PROF)(TY 2)	LF	80	\$ 20.00	\$ 1,600.00	\$ 55.00	\$ 4,400.00	\$ 60.00	\$ 4,800.00	\$ 75.00	\$ 6,000.00	\$ 50.00	\$ 4,000.00
512	2026			PORT CTB (MOVE)(LOW PROF)(TY 1)	LF	1,500	\$ 12.00	\$ 18,000.00	\$ 6.00	\$ 9,000.00	\$ 9.00	\$ 13,500.00	\$ 6.00	\$ 9,000.00	\$ 6.00	\$ 9,000.00
512	2027			PORT CTB (MOVE)(LOW PROF)(TY 2)	LF	80	\$ 15.00	\$ 1,200.00	\$ 12.00	\$ 960.00	\$ 9.00	\$ 720.00	\$ 32.00	\$ 2,560.00	\$ 6.00	\$ 480.00
512	2044			PORT CTB (REMOVE)(LOW PROF)(TY 1)	LF	2,000	\$ 10.00	\$ 20,000.00	\$ 9.00	\$ 18,000.00	\$ 13.00	\$ 26,000.00	\$ 7.00	\$ 14,000.00	\$ 15.00	\$ 30,000.00
512	2045			PORT CTB (REMOVE)(LOW PROF)(TY 2)	LF	80	\$ 20.00	\$ 1,600.00	\$ 12.00	\$ 960.00	\$ 13.00	\$ 1,040.00	\$ 15.00	\$ 1,200.00	\$ 15.00	\$ 1,200.00
529	2004			CONC CURB & GUTTER (TY II)	LF	15,223	\$ 11.00	\$ 167,453.00	\$ 14.00	\$ 213,122.00	\$ 9.00	\$ 137,007.00	\$ 12.75	\$ 194,093.25	\$ 10.00	\$ 152,230.00
529	2023			CONC CURB (MONO)	LF	392	\$ 16.00	\$ 6,272.00	\$ 12.00	\$ 4,704.00	\$ 9.00	\$ 3,528.00	\$ 20.00	\$ 7,840.00	\$ 7.00	\$ 2,744.00
530	2008			DRIVEWAYS (ACP)	EA	15	\$ 1,000.00	\$ 15,000.00	\$ 5,500.00	\$ 82,500.00	\$ 5,200.00	\$ 78,000.00	\$ 7,500.00	\$ 112,500.00	\$ 6,000.00	\$ 90,000.00
531	2006			CURB RAMPS (TY 2)	EA	5	\$ 1,600.00	\$ 8,000.00	\$ 1,591.00	\$ 7,955.00	\$ 445.00	\$ 2,225.00	\$ 1,300.00	\$ 6,500.00	\$ 2,000.00	\$ 10,000.00
531	2010			CURB RAMPS (TY 7)	EA	7	\$ 1,600.00	\$ 11,200.00	\$ 1,650.00	\$ 11,550.00	\$ 415.00	\$ 2,905.00	\$ 1,500.00	\$ 10,500.00	\$ 1,500.00	\$ 10,500.00
531	2041			CURB RAMPS (TY 10)	EA	2	\$ 1,600.00	\$ 3,200.00	\$ 1,400.00	\$ 2,800.00	\$ 360.00	\$ 720.00	\$ 1,400.00	\$ 2,800.00	\$ 3,000.00	\$ 6,000.00
531	2024			CONC SIDEWALK (5")	SY	6,467	\$ 32.00	\$ 206,944.00	\$ 50.00	\$ 323,350.00	\$ 31.00	\$ 202,477.00	\$ 37.00	\$ 239,279.00	\$ 38.00	\$ 245,746.00
560	2021			MAILBOX INSTALL-S(TWG-POST)TY 2 FND-TB	EA	2	\$ 150.00	\$ 300.00	\$ 154.00	\$ 308.00	\$ 235.00	\$ 470.00	\$ 200.00	\$ 400.00	\$ 175.00	\$ 350.00

666	2005	REFL PAV MRK TY I (W) (4") (DOT) (90MIL)	LF	114	\$ 1.50	\$ 171.00	\$ 0.43	\$ 49.02	\$ 0.40	\$ 45.60	\$ 0.40	\$ 45.60	\$ 0.30	\$ 34.20
666	2011	REFL PAV MRK TY I (W) (4") (SLD) (90MIL)	LF	11,837	\$ 0.50	\$ 5,918.50	\$ 0.43	\$ 5,089.91	\$ 0.45	\$ 5,326.65	\$ 0.40	\$ 4,734.80	\$ 0.30	\$ 3,551.10
666	2035	REFL PAV MRK TY I (W) (8") (SLD) (90MIL)	LF	1,865	\$ 1.00	\$ 1,865.00	\$ 0.88	\$ 1,641.20	\$ 0.90	\$ 1,678.50	\$ 0.80	\$ 1,492.00	\$ 0.70	\$ 1,305.50
666	2041	REFL PAV MRK TY I (W) (12") (SLD) (90MIL)	LF	1,576	\$ 4.00	\$ 6,304.00	\$ 3.17	\$ 4,995.92	\$ 3.15	\$ 4,964.40	\$ 3.30	\$ 5,200.80	\$ 3.00	\$ 4,728.00
666	2047	REFL PAV MRK TY I (W) (24") (SLD) (90MIL)	LF	592	\$ 7.00	\$ 4,144.00	\$ 6.39	\$ 3,782.88	\$ 6.35	\$ 3,759.20	\$ 7.30	\$ 4,321.60	\$ 6.00	\$ 3,552.00
666	2053	REFL PAV MRK TY I (W) (ARROW) (90MIL)	EA	25	\$ 90.00	\$ 2,250.00	\$ 11.67	\$ 291.75	\$ 115.00	\$ 2,875.00	\$ 100.00	\$ 2,500.00	\$ 85.00	\$ 2,125.00
666	2056	REFL PAV MRK TY I (W) (BIKE ARROW) (90MIL)	EA	36	\$ 86.00	\$ 3,096.00	\$ 122.00	\$ 4,392.00	\$ 120.00	\$ 4,320.00	\$ 115.00	\$ 4,140.00	\$ 95.00	\$ 3,420.00
666	2062	REFL PAV MRK TY I (W) (BIKE SYMBOL) (90MIL)	EA	36	\$ 200.00	\$ 7,200.00	\$ 211.00	\$ 7,596.00	\$ 200.00	\$ 7,200.00	\$ 265.00	\$ 9,540.00	\$ 225.00	\$ 8,100.00
666	2095	REFL PAV MRK TY I (W) (WORD) (90MIL)	EA	14	\$ 120.00	\$ 1,680.00	\$ 133.00	\$ 1,862.00	\$ 130.00	\$ 1,820.00	\$ 120.00	\$ 1,680.00	\$ 105.00	\$ 1,470.00
666	2098	REF PAV MRK TY I(W)18"(YLD TRI)(090MIL)	EA	11	\$ 12.00	\$ 132.00	\$ 29.00	\$ 319.00	\$ 28.00	\$ 308.00	\$ 40.00	\$ 440.00	\$ 35.00	\$ 385.00
666	2104	REFL PAV MRK TY I (Y) (4") (BRK) (90MIL)	LF	1,035	\$ 0.40	\$ 414.00	\$ 0.43	\$ 445.05	\$ 0.40	\$ 414.00	\$ 0.35	\$ 362.25	\$ 0.30	\$ 310.50
666	2110	REFL PAV MRK TY I (Y) (4") (SLD) (90MIL)	LF	10,284	\$ 0.40	\$ 4,113.60	\$ 0.43	\$ 4,422.12	\$ 0.40	\$ 4,113.60	\$ 0.35	\$ 3,599.40	\$ 0.30	\$ 3,085.20
666	2125	REFL PAV MRK TY I (Y) (12") (SLD)(090MIL)	LF	414	\$ 3.00	\$ 1,242.00	\$ 3.17	\$ 1,312.38	\$ 3.00	\$ 1,242.00	\$ 3.25	\$ 1,345.50	\$ 3.00	\$ 1,242.00
666	2142	REFL PAV MRK TY II (W) (4") (BRK)	LF	2,795	\$ 0.20	\$ 559.00	\$ 0.21	\$ 586.95	\$ 0.20	\$ 559.00	\$ 0.25	\$ 698.75	\$ 0.20	\$ 559.00
666	2143	REFL PAV MRK TY II (W) (4") (DOT)	LF	114	\$ 0.50	\$ 57.00	\$ 0.33	\$ 37.62	\$ 0.30	\$ 34.20	\$ 0.25	\$ 28.50	\$ 0.20	\$ 22.80
666	2145	REFL PAV MRK TY II (W) (4") (SLD)	LF	11,837	\$ 0.15	\$ 1,775.55	\$ 0.21	\$ 2,485.77	\$ 0.20	\$ 2,367.40	\$ 0.25	\$ 2,959.25	\$ 0.20	\$ 2,367.40
666	2153	REFL PAV MRK TY II (W) (8") (SLD)	LF	1,865	\$ 0.50	\$ 932.50	\$ 0.42	\$ 783.30	\$ 0.40	\$ 746.00	\$ 0.55	\$ 1,025.75	\$ 0.50	\$ 932.50
666	2155	REFL PAV MRK TY II (W) (12") (SLD)	LF	1,576	\$ 1.00	\$ 1,576.00	\$ 2.00	\$ 3,152.00	\$ 1.90	\$ 2,994.40	\$ 1.45	\$ 2,285.20	\$ 2.00	\$ 3,152.00
666	2157	REFL PAV MRK TY II (W) (24") (SLD)	LF	592	\$ 2.50	\$ 1,480.00	\$ 3.00	\$ 1,776.00	\$ 2.75	\$ 1,628.00	\$ 3.80	\$ 2,249.60	\$ 3.00	\$ 1,776.00
666	2160	REFL PAV MRK TY II (W) (ARROW)	EA	25	\$ 45.00	\$ 1,125.00	\$ 44.00	\$ 1,100.00	\$ 44.00	\$ 1,100.00	\$ 55.00	\$ 1,375.00	\$ 50.00	\$ 1,250.00
666	2161	REFL PAV MRK TY II (W) (BIKE ARROW)	EA	36	\$ 35.00	\$ 1,260.00	\$ 32.00	\$ 1,152.00	\$ 32.00	\$ 1,152.00	\$ 50.00	\$ 1,800.00	\$ 45.00	\$ 1,620.00
666	2163	REFL PAV MRK TY II (W) (BIKE SYMBOL)	EA	36	\$ 45.00	\$ 1,620.00	\$ 33.00	\$ 1,188.00	\$ 33.00	\$ 1,188.00	\$ 110.00	\$ 3,960.00	\$ 95.00	\$ 3,420.00
666	2173	REFL PAV MRK TY II (W) (WORD)	EA	14	\$ 55.00	\$ 770.00	\$ 56.00	\$ 784.00	\$ 55.00	\$ 770.00	\$ 85.00	\$ 1,190.00	\$ 75.00	\$ 1,050.00
666	2174	REF PAV MRK TY I(W)18"(YLD TRI)	EA	11	\$ 15.00	\$ 165.00	\$ 17.00	\$ 187.00	\$ 16.00	\$ 176.00	\$ 30.00	\$ 330.00	\$ 25.00	\$ 275.00
666	2176	REFL PAV MRK TY II (Y) (4") (BRK)	LF	1,035	\$ 0.10	\$ 103.50	\$ 0.21	\$ 217.35	\$ 0.20	\$ 207.00	\$ 0.25	\$ 258.75	\$ 0.20	\$ 207.00
666	2178	REFL PAV MRK TY II (Y) (4") (SLD)	LF	10,284	\$ 0.15	\$ 1,542.60	\$ 0.21	\$ 2,159.64	\$ 0.20	\$ 2,056.80	\$ 0.25	\$ 2,571.00	\$ 0.20	\$ 2,056.80
666	2183	REF PAV MRK TY II (Y) 12" (SLD)	LF	414	\$ 1.20	\$ 496.80	\$ 2.00	\$ 828.00	\$ 1.90	\$ 786.60	\$ 3.30	\$ 1,366.20	\$ 3.00	\$ 1,242.00
672	2012	REFL PAV MRKR TY I-C	EA	66	\$ 3.00	\$ 198.00	\$ 5.00	\$ 330.00	\$ 5.00	\$ 330.00	\$ 8.70	\$ 574.20	\$ 7.00	\$ 462.00
672	2015	REFL PAV MRKR TY II A-A	EA	35	\$ 3.00	\$ 105.00	\$ 5.00	\$ 175.00	\$ 5.00	\$ 175.00	\$ 8.70	\$ 304.50	\$ 7.00	\$ 245.00
672	2017	REFL PAV MRKR TY II C-R	EA	60	\$ 4.00	\$ 240.00	\$ 5.00	\$ 300.00	\$ 5.00	\$ 300.00	\$ 8.70	\$ 522.00	\$ 7.00	\$ 420.00
677	2001	ELIM EXT PAV MRK & MRKS (4")	LF	1,000	\$ 0.35	\$ 350.00	\$ 1.39	\$ 1,390.00	\$ 1.35	\$ 1,350.00	\$ 1.10	\$ 1,100.00	\$ 1.00	\$ 1,000.00
COA	508S-13	ENERGY DISSIPATOR 42 IN DIA	EA	2	\$ 15,000.00	\$ 30,000.00	\$ 1,200.00	\$ 2,400.00	\$ 3,200.00	\$ 6,400.00	\$ 1,200.00	\$ 2,400.00	\$ 7,000.00	\$ 14,000.00
6834	2001	PORTABLE CHANGEABLE MESSAGE SIGN	DAY	240	\$ 70.00	\$ 16,800.00	\$ 110.00	\$ 26,400.00	\$ 85.00	\$ 20,400.00	\$ 110.00	\$ 26,400.00	\$ 75.00	\$ 18,000.00
ROADWAY SUBTOTAL						\$ 6,694,647.45		\$ 6,269,887.21		\$ 7,596,705.30		\$ 8,892,364.70		\$ 9,244,524.35

CONSTRUCTION: WATER QUALITY AND EROSION CONTROL ITEMS

			Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
160	2003	FURNISHING AND PLACING TOPSOIL (4")	SY	41,484	\$ 1.50	\$ 62,226.00	\$ 3.85	\$ 159,713.40	\$ 1.60	\$ 66,374.40	\$ 2.35	\$ 97,487.40	\$ 3.00	\$ 124,452.00
164	2039	DRILL SEEDING (PERM) (URBAN) (CLAY)	SY	41,484	\$ 0.50	\$ 20,742.00	\$ 0.22	\$ 9,126.48	\$ 0.10	\$ 4,148.40	\$ 0.12	\$ 4,978.08	\$ 0.10	\$ 4,148.40
164	2041	DRILL SEEDING (TEMP) (WARM)	SY	20,742	\$ 0.10	\$ 2,074.20	\$ 0.20	\$ 4,148.40	\$ 0.10	\$ 2,074.20	\$ 0.10	\$ 2,074.20	\$ 0.10	\$ 2,074.20
164	2043	DRILL SEEDING(TEMP)(COOL)	SY	20,742	\$ 0.10	\$ 2,074.20	\$ 0.20	\$ 4,148.40	\$ 0.10	\$ 2,074.20	\$ 0.10	\$ 2,074.20	\$ 0.10	\$ 2,074.20
166	2002	FERTILIZER	TON	2.57	\$ 1,000.00	\$ 2,570.00	\$ 1,500.00	\$ 3,855.00	\$ 850.00	\$ 2,184.50	\$ 930.00	\$ 2,390.10	\$ 800.00	\$ 2,056.00
168	2001	VEG WATERING	MG	1,245	\$ 14.00	\$ 17,430.00	\$ 22.00	\$ 27,390.00	\$ 27.00	\$ 33,615.00	\$ 22.00	\$ 27,390.00	\$ 20.00	\$ 24,900.00
169	2001	SOIL RETENTION BLANKET (CLASS 1) (TY A)	SY	20,575	\$ 1.00	\$ 20,575.00	\$ 1.50	\$ 30,862.50	\$ 1.15	\$ 23,661.25	\$ 1.30	\$ 26,747.50	\$ 1.00	\$ 20,575.00
169	2005	SOIL RETENTION BLANKET (CLASS 2) (TY E)	SY	7,469	\$ 1.00	\$ 7,469.00	\$ 1.75	\$ 13,070.75	\$ 1.25	\$ 9,336.25	\$ 1.40	\$ 10,456.60	\$ 1.20	\$ 8,962.80
506	2002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	510	\$ 19.00	\$ 9,690.00	\$ 25.00	\$ 12,750.00	\$ 16.00	\$ 8,160.00	\$ 21.00	\$ 10,710.00	\$ 18.00	\$ 9,180.00
506	2009	ROCK FILTER DAMS (REMOVE)	LF	510	\$ 6.00	\$ 3,060.00	\$ 12.00	\$ 6,120.00	\$ 5.00	\$ 2,550.00	\$ 7.00	\$ 3,570.00	\$ 6.00	\$ 3,060.00
506	2016	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	6,100	\$ 8.00	\$ 48,800.00	\$ 12.00	\$ 73,200.00	\$ 8.00	\$ 48,800.00	\$ 1.00	\$ 6,100.00	\$ 11.00	\$ 67,100.00
506	2019	CONSTRUCTION EXITS (REMOVE)	SY	6,100	\$ 6.00	\$ 36,600.00	\$ 3.00	\$ 18,300.00	\$ 4.00	\$ 24,400.00	\$ 1.00	\$ 6,100.00	\$ 5.00	\$ 30,500.00
506	2034	TEMP SEDMT CONT FENCE	LF	11,586	\$ 2.00	\$ 23,172.00	\$ 2.40	\$ 27,806.40	\$ 2.00	\$ 23,172.00	\$ 2.25	\$ 26,068.50	\$ 2.00	\$ 23,172.00
506	2052	TEMP SED CONT FENCE (INLET PROTECTION)	LF	380	\$ 5.30	\$ 2,014.00	\$ 7.00	\$ 2,660.00	\$ 2.00	\$ 760.00	\$ 4.00	\$ 1,520.00	\$ 3.00	\$ 1,140.00
464	2005	24-INCH RCP FOR WATER QUALITY PONDS	LF	340	\$ 72.00	\$ 24,480.00	\$ 50.00	\$ 17,000.00	\$ 75.00	\$ 25,500.00	\$ 95.00	\$ 32,300.00	\$ 100.00	\$ 34,000.00
COA	414S-C	RETAINING WALLS FOR WATER QUALITY PONDS	CY	525	\$ 450.00	\$ 236,250.00	\$ 375.00	\$ 196,875.00	\$ 700.00	\$ 367,500.00	\$ 870.00	\$ 456,750.00	\$ 900.00	\$ 472,500.00
COA	436S	CONCRETE VALLEY GUTTER FOR WATER QUALITY PONDS	SY	170	\$ 60.00	\$ 10,200.00	\$ 90.00	\$ 15,300.00	\$ 54.00	\$ 9,180.00	\$ 75.00	\$ 12,750.00	\$ 100.00	\$ 17,000.00
COA	506SJ	JUNCTION BOX (FLOW SPLITTER BOX) FOR WATER QUALITY PONDS	EA	5	\$ 10,000.00	\$ 50,000.00	\$ 6,125.00	\$ 30,625.00	\$ 2,700.00	\$ 13,500.00	\$ 15,000.00	\$ 75,000.00	\$ 14,000.00	\$ 70,000.00
COA	508S-13	INLET,MODIFIED, FOR WATER QUALITY PONDS	EA	3	\$ 3,000.00	\$ 9,000.00	\$ 3,500.00	\$ 10,500.00	\$ 7,500.00	\$ 22,500.00	\$ 13,000.00	\$ 39,000.00	\$ 5,000.00	\$ 15,000.00
COA	591S-G	CONCRETE RIP RAP FOR WATER QUALITY POND	CY	61	\$ 350.00	\$ 21,350.00	\$ 300.00	\$ 18,300.00	\$ 580.00	\$ 35,380.00	\$ 375.00	\$ 22,875.00	\$ 500.00	\$ 30,500.00
COA	591S-B	ROCK RIP RAP (3"-5") FOR WATER QUALITY POND	SY	56	\$ 60.00	\$ 3,360.00	\$ 39.00	\$ 2,184.00	\$ 45.00	\$ 2,520.00	\$ 40.00	\$ 2,240.00	\$ 16.00	\$ 896.00
COA	594S-A	GABIONS WITH TWISTED WOVEN WIRE FOR WATER QUALITY PONDS	CY	78	\$ 160.00	\$ 12,480.00	\$ 250.00	\$ 19,500.00	\$ 250.00	\$ 19,500.00	\$ 185.00	\$ 14,430.00	\$ 160.00	\$ 12,480.00
COA	602S-E	BUFFALO 609 BLOCK SODDING	SY	279	\$ 10.00	\$ 2,790.00	\$ 6.00	\$ 1,674.00	\$ 10.00	\$ 2,790.00	\$ 15.00	\$ 4,185.00	\$ 9.00	\$ 2,511.00
COA	605S-A	SOIL RETENTION BLANKET (VFS) WQ PONDS	SY	1,862	\$ 2.50	\$ 4,655.00	\$ 3.00	\$ 5,586.00	\$ 1.70	\$ 3,165.40	\$ 2.00	\$ 3,724.00	\$ 2.00	\$ 3,724.00
COA	608S-I	ONE GALLON PLANTINGS (MUHLEYS) FOR VFS	EA	422	\$ 16.00	\$ 6,752.00	\$ 18.00	\$ 7,596.00	\$ 15.00	\$ 6,330.00	\$ 14.00	\$ 5,908.00	\$ 12.00	\$ 5,064.00
COA	609-C-FS/US	NATIVE FACULTATIVE / UPLANDS SPECIES SEEDING	SY	1,862	\$ 7.00	\$ 13,034.00	\$ 2.00	\$ 3,724.00	\$ 5.40	\$ 10,054.80	\$ 6.00	\$ 11,172.00	\$ 5.00	\$ 9,310.00
COA	701S-A	CHAIN LINK FENCE (5-FOOT HIGH) FOR WQ PONDS	LF	1,150	\$ 12.00	\$ 13,800.00	\$ 5.00	\$ 5,750.00	\$ 3.00	\$ 3,450.00	\$ 5.00	\$ 5,750.00	\$ 2.00	\$ 2,300.00
COA	701S-CD	CHAIN LINK VEHICULAR DOUBLE SWING GATE (5'X12') FOR WQ PONDS	EA	1,305	\$ 16.00	\$ 20,880.00	\$ 14.00	\$ 18,270.00	\$ 13.00	\$ 16,965.00	\$ 15.00	\$ 19,575.00	\$ 13.00	\$ 16,965.00
COA	824S	STORMWATER FACILITY SIGNS	EA	8	\$ 500.00	\$ 4,000.00	\$ 550.00	\$ 4,400.00	\$ 165.00	\$ 1,320.00	\$ 1,500.00	\$ 12,000.00	\$ 340.00	\$ 2,720.00
COA	1000SS	FIELDSTONE WALL/LEVEL SPREADER FOR WATER QUALITY PONDS	CY	32	\$ 350.00	\$ 11,200.00	\$ 200.00	\$ 6,400.00	\$ 735.00	\$ 23,520.00	\$ 500.00	\$ 16,000.00	\$ 1,100.00	\$ 35,200.00
EROSION CONTROL SUBTOTAL						\$ 707,227.40		\$ 759,335.33		\$ 816,285.40		\$ 963,825.58		\$ 1,055,189.60

CONSTRUCTION: SIGNAL ITEMS

			Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
0416	2030	DRILL SHAFT (TRF SIG POLE) (24 IN)	LF	18	\$ 140.00	\$ 2,520.00	\$ 183.00	\$ 3,294.00	\$ 182.00	\$ 3,276.00	\$ 200.00	\$ 3,600.00	\$ 200.00	\$ 3,600.00
0416	2032	DRILL SHAFT (TRF SIG POLE) (36 IN)	LF	11	\$ 200.00	\$ 2,200.00	\$ 217.00	\$ 2,387.00	\$ 215.00	\$ 2,365.00	\$ 235.00	\$ 2,585.00	\$	

0416	2034	DRILL SHAFT (TRF SIG POLE) (48 IN)	LF	26	\$ 315.00	\$ 8,190.00	\$ 250.00	\$ 6,500.00	\$ 248.00	\$ 6,448.00	\$ 275.00	\$ 7,150.00	\$ 250.00	\$ 6,500.00
0618	2018	CONDT (PVC) (SCHD 40) (2")	LF	289	\$ 8.25	\$ 2,384.25	\$ 10.00	\$ 2,890.00	\$ 10.00	\$ 2,890.00	\$ 11.00	\$ 3,179.00	\$ 10.00	\$ 2,890.00
0618	2022	CONDT (PVC) (SCHD 40) (3")	LF	362	\$ 9.00	\$ 3,258.00	\$ 23.00	\$ 8,326.00	\$ 13.00	\$ 4,706.00	\$ 15.00	\$ 5,430.00	\$ 13.00	\$ 4,706.00
0618	2035	CONDT (PVC) (SCHD 80) (2") (BORE)	LF	227	\$ 13.50	\$ 3,064.50	\$ 23.00	\$ 5,221.00	\$ 22.00	\$ 4,994.00	\$ 25.00	\$ 5,675.00	\$ 23.00	\$ 5,221.00
0618	2039	CONDT (PVC) (SCHD 80) (3") (BORE)	LF	454	\$ 21.00	\$ 9,534.00	\$ 27.00	\$ 12,258.00	\$ 26.00	\$ 11,804.00	\$ 28.00	\$ 12,712.00	\$ 26.00	\$ 11,804.00
0620	2009	ELEC CONDR (NO. 6) BARE	LF	35	\$ 1.50	\$ 52.50	\$ 1.39	\$ 48.65	\$ 1.40	\$ 49.00	\$ 1.50	\$ 52.50	\$ 2.00	\$ 70.00
0620	2010	ELEC CONDR (NO. 6) INSULATED	LF	70	\$ 1.50	\$ 105.00	\$ 1.67	\$ 116.90	\$ 1.60	\$ 112.00	\$ 1.80	\$ 126.00	\$ 2.00	\$ 140.00
0620	2011	ELEC CONDR (NO. 8) BARE	LF	1292	\$ 1.00	\$ 1,292.00	\$ 1.11	\$ 1,434.12	\$ 1.10	\$ 1,421.20	\$ 1.20	\$ 1,550.40	\$ 1.00	\$ 1,292.00
0620	2012	ELEC CONDR (NO. 8) INSULATED	LF	692	\$ 1.10	\$ 761.20	\$ 1.28	\$ 885.76	\$ 1.25	\$ 865.00	\$ 1.40	\$ 968.80	\$ 2.00	\$ 1,384.00
0624	2014	GROUND BOX TY D (162922) W/APRON	EA	4	\$ 800.00	\$ 3,200.00	\$ 861.00	\$ 3,444.00	\$ 860.00	\$ 3,440.00	\$ 935.00	\$ 3,740.00	\$ 900.00	\$ 3,600.00
0628	2179	ELC SRV TY D 120/240 100 (NS)AL(E)SP(O)	EA	1	\$ 4,500.00	\$ 4,500.00	\$ 2,222.00	\$ 2,222.00	\$ 2,210.00	\$ 2,210.00	\$ 2,400.00	\$ 2,400.00	\$ 2,200.00	\$ 2,200.00
0680	2002	INSTALL HWY TRF SIG (ISOLATED)	EA	1	\$ 35,000.00	\$ 35,000.00	\$ 12,222.00	\$ 12,222.00	\$ 12,000.00	\$ 12,000.00	\$ 13,000.00	\$ 13,000.00	\$ 12,000.00	\$ 12,000.00
0682	2001	BACK PLATE (12 IN) (3 SEC)	EA	7	\$ 65.00	\$ 455.00	\$ 100.00	\$ 700.00	\$ 100.00	\$ 700.00	\$ 100.00	\$ 700.00	\$ 100.00	\$ 700.00
0682	2003	BACK PLATE (12 IN) (5 SEC)	EA	3	\$ 85.00	\$ 255.00	\$ 122.00	\$ 366.00	\$ 120.00	\$ 360.00	\$ 130.00	\$ 390.00	\$ 120.00	\$ 360.00
0682	2014	PED SIG SEC (12 IN) LED (2 INDICATIONS)	EA	4	\$ 700.00	\$ 2,800.00	\$ 750.00	\$ 3,000.00	\$ 745.00	\$ 2,980.00	\$ 800.00	\$ 3,200.00	\$ 800.00	\$ 3,200.00
0682	2022	VEH SIG SEC (12 IN) LED (GRN ARW)	EA	3	\$ 225.00	\$ 675.00	\$ 274.00	\$ 822.00	\$ 275.00	\$ 825.00	\$ 300.00	\$ 900.00	\$ 300.00	\$ 900.00
0682	2023	VEH SIG SEC (12 IN) LED (GRN)	EA	10	\$ 225.00	\$ 2,250.00	\$ 284.00	\$ 2,840.00	\$ 280.00	\$ 2,800.00	\$ 310.00	\$ 3,100.00	\$ 300.00	\$ 3,000.00
0682	2024	VEH SIG SEC (12 IN) LED (YEL ARW)	EA	3	\$ 225.00	\$ 675.00	\$ 283.00	\$ 849.00	\$ 280.00	\$ 840.00	\$ 310.00	\$ 930.00	\$ 300.00	\$ 900.00
0682	2025	VEH SIG SEC (12 IN) LED (YEL)	EA	10	\$ 225.00	\$ 2,250.00	\$ 284.00	\$ 2,840.00	\$ 280.00	\$ 2,800.00	\$ 310.00	\$ 3,100.00	\$ 300.00	\$ 3,000.00
0682	2026	VEH SIG SEC (12 IN) LED (RED ARW)	EA	3	\$ 225.00	\$ 675.00	\$ 272.00	\$ 816.00	\$ 275.00	\$ 825.00	\$ 300.00	\$ 900.00	\$ 300.00	\$ 900.00
0682	2027	VEH SIG SEC (12 IN) LED (RED)	EA	10	\$ 225.00	\$ 2,250.00	\$ 272.00	\$ 2,720.00	\$ 275.00	\$ 2,750.00	\$ 300.00	\$ 3,000.00	\$ 300.00	\$ 3,000.00
0684	2031	TRF SIG CBL (TY A) (14 AWG) (5 CONDR)	LF	1420	\$ 1.75	\$ 2,485.00	\$ 1.72	\$ 2,442.40	\$ 1.70	\$ 2,414.00	\$ 1.90	\$ 2,698.00	\$ 2.00	\$ 2,840.00
0684	2033	TRF SIG CBL (TY A) (14 AWG) (7 CONDR)	LF	556	\$ 2.50	\$ 1,390.00	\$ 1.94	\$ 1,078.64	\$ 1.90	\$ 1,056.40	\$ 2.20	\$ 1,223.20	\$ 2.00	\$ 1,112.00
0684	2080	TRF SIG CBL (TY C) (14 AWG) (2 CONDR)	LF	407	\$ 0.95	\$ 386.65	\$ 1.22	\$ 496.54	\$ 1.20	\$ 488.40	\$ 1.35	\$ 549.45	\$ 2.00	\$ 814.00
0686	2027	INS TRF SIG PL AM(S) 1 ARM (28")	EA	1	\$ 4,500.00	\$ 4,500.00	\$ 5,389.00	\$ 5,389.00	\$ 5,300.00	\$ 5,300.00	\$ 5,900.00	\$ 5,900.00	\$ 5,500.00	\$ 5,500.00
0686	2045	INS TRF SIG PL AM(S) 1 ARM (44") LUM	EA	1	\$ 7,400.00	\$ 7,400.00	\$ 8,222.00	\$ 8,222.00	\$ 8,200.00	\$ 8,200.00	\$ 9,000.00	\$ 9,000.00	\$ 8,000.00	\$ 8,000.00
0686	2049	INS TRF SIG PL AM(S) 1 ARM (48") LUM	EA	1	\$ 8,400.00	\$ 8,400.00	\$ 9,500.00	\$ 9,500.00	\$ 9,500.00	\$ 9,500.00	\$ 10,000.00	\$ 10,000.00	\$ 9,500.00	\$ 9,500.00
0687	2001	PED POLE ASSEMBLY	EA	3	\$ 2,100.00	\$ 6,300.00	\$ 1,083.00	\$ 3,249.00	\$ 1,100.00	\$ 3,300.00	\$ 1,200.00	\$ 3,600.00	\$ 1,054.29	\$ 3,162.87
0688	2001	PED DETECT (2 INCH PUSH BTN)	EA	4	\$ 230.00	\$ 920.00	\$ 1,444.00	\$ 5,776.00	\$ 1,400.00	\$ 5,600.00	\$ 1,500.00	\$ 6,000.00	\$ 1,400.00	\$ 5,600.00
6266	2003	VIVDS SET-UP SYSTEM	EA	1	\$ 2,500.00	\$ 2,500.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,100.00	\$ 1,100.00	\$ 1,000.00	\$ 1,000.00
6266	2005	VIVDS COMMUNICATION CABLE (COAXIAL)	LF	994	\$ 2.90	\$ 2,882.60	\$ 3.00	\$ 2,982.00	\$ 3.00	\$ 2,982.00	\$ 3.25	\$ 3,230.50	\$ 3.00	\$ 2,982.00
SIGNALS SUBTOTAL						\$ 125,510.70	\$ 116,338.01	\$ 111,301.00	\$ 121,689.85	\$ 114,187.87				
500	2001	MOBILIZATION (10% OF ALL ITEMS EXCEPT ITEM 502 BARRICADES, SIGNS AND TRAFFIC HANDLING)	LS	1	\$ 741,600.00	\$ 741,600.00	\$ 255,000.00	\$ 255,000.00	\$ 425,000.00	\$ 425,000.00	\$ 1,050,000.00	\$ 1,050,000.00	\$ 1,000,000.00	\$ 1,000,000.00
BASE BID TOTAL:					Eng Est	\$ 8,268,985.55	Smith	\$ 7,400,560.55	Chasco	\$ 8,949,291.70	RGM	\$ 11,027,880.13	Capital	\$ 11,413,901.82

ALTERNATE - 1 BID (LTISD TRAFFIC SIGNAL)			Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
COA	824S	TRAFFIC SIGNS	EA	2	\$ 600.00	\$ 1,200.00	\$ 361.00	\$ 722.00	\$ 360.00	\$ 720.00	\$ 375.00	\$ 750.00	\$ 400.00	\$ 800.00
COA	824S	STREET NAME SIGN, BEE CREEK ROAD	EA	1	\$ 300.00	\$ 300.00	\$ 556.00	\$ 556.00	\$ 550.00	\$ 550.00	\$ 600.00	\$ 600.00	\$ 500.00	\$ 500.00
COA	830S-SCF	TRAFFIC SIGNAL CONTROLLER FOUNDATION	EA	1	\$ 2,200.00	\$ 2,200.00	\$ 2,083.00	\$ 2,083.00	\$ 2,100.00	\$ 2,100.00	\$ 2,100.00	\$ 2,100.00	\$ 2,000.00	\$ 2,000.00
COA	831S-3 (MOD)	36" DIAMETER 14" DEEP TRAFFIC SIGNAL FOUNDATION	EA	3	\$ 2,800.00	\$ 8,400.00	\$ 3,667.00	\$ 11,001.00	\$ 3,630.00	\$ 10,890.00	\$ 3,600.00	\$ 10,800.00	\$ 3,600.00	\$ 10,800.00
COA	831S-5	4" DIAMETER PEDESTRIAN SIGNAL FOUNDATION	EA	2	\$ 500.00	\$ 1,000.00	\$ 2,083.00	\$ 4,166.00	\$ 2,100.00	\$ 4,200.00	\$ 2,100.00	\$ 4,200.00	\$ 2,000.00	\$ 4,000.00
COA	832S-VSM-3	VEHICULAR SIGNAL INSTALLATION, 3 SECTION, COMPLETE IN PLACE	EA	6	\$ 1,500.00	\$ 9,000.00	\$ 1,017.00	\$ 6,102.00	\$ 1,000.00	\$ 6,000.00	\$ 1,050.00	\$ 6,300.00	\$ 1,000.00	\$ 6,000.00
COA	832S-VSM-4	VEHICULAR SIGNAL INSTALLATION, 4 SECTION, COMPLETE IN PLACE	EA	1	\$ 2,000.00	\$ 2,000.00	\$ 1,278.00	\$ 1,278.00	\$ 1,270.00	\$ 1,270.00	\$ 1,300.00	\$ 1,300.00	\$ 1,300.00	\$ 1,300.00
COA	833S-PPB	PEDESTRIAN PUSH BUTTON	EA	4	\$ 1,100.00	\$ 4,400.00	\$ 1,444.00	\$ 5,776.00	\$ 1,430.00	\$ 5,720.00	\$ 1,400.00	\$ 5,600.00	\$ 1,400.00	\$ 5,600.00
COA	834S-B	TRAFFIC SIGNAL PULL BOX, TYPE B	EA	7	\$ 2,400.00	\$ 16,800.00	\$ 1,389.00	\$ 9,723.00	\$ 1,380.00	\$ 9,660.00	\$ 1,350.00	\$ 9,450.00	\$ 1,400.00	\$ 9,800.00
COA	834S-C	TRAFFIC SIGNAL PULL BOX, TYPE C	EA	2	\$ 4,500.00	\$ 9,000.00	\$ 1,944.00	\$ 3,888.00	\$ 1,930.00	\$ 3,860.00	\$ 1,900.00	\$ 3,800.00	\$ 1,900.00	\$ 3,800.00
COA	835S-LT2	INSTALL 2" DIAMETER CONDUIT	LF	627	\$ 3.00	\$ 1,881.00	\$ 10.00	\$ 6,270.00	\$ 10.00	\$ 6,270.00	\$ 10.00	\$ 6,270.00	\$ 10.00	\$ 6,270.00
COA	835S-LT3	INSTALL 3" DIAMETER CONDUIT	LF	1053	\$ 5.00	\$ 5,265.00	\$ 13.00	\$ 13,689.00	\$ 13.00	\$ 13,689.00	\$ 13.25	\$ 13,952.25	\$ 13.00	\$ 13,689.00
COA	836S-R3	TRAFFIC SIGNAL RISER - 3"	EA	1	\$ 3,000.00	\$ 3,000.00	\$ 2,417.00	\$ 2,417.00	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00
COA	837S-TSLD	TRAFFIC SIGNAL LOOP DETECTOR (#14 SHIELDED TWISTED PAIR)	LF	655	\$ 11.00	\$ 7,205.00	\$ 12.00	\$ 7,860.00	\$ 12.00	\$ 7,860.00	\$ 12.50	\$ 8,187.50	\$ 12.00	\$ 7,860.00
COA	837S-TSLD	TRAFFIC SIG CBL (TYA) (2 CONDR) (14 AWG) - THHN	LF	1029	\$ 5.00	\$ 5,145.00	\$ 1.11	\$ 1,142.19	\$ 1.00	\$ 1,029.00	\$ 1.15	\$ 1,183.35	\$ 1.00	\$ 1,029.00
COA	838S-PSM	PEDESTRIAN SIGNAL INSTALLATION (COMPLETE AND IN PLACE)	EA	4	\$ 2,500.00	\$ 10,000.00	\$ 750.00	\$ 3,000.00	\$ 750.00	\$ 3,000.00	\$ 725.00	\$ 2,900.00	\$ 800.00	\$ 3,200.00
COA	839S-MAP2	TYPE 2 MAST ARM	EA	3	\$ 7,000.00	\$ 21,000.00	\$ 5,556.00	\$ 16,668.00	\$ 5,500.00	\$ 16,500.00	\$ 5,500.00	\$ 16,500.00	\$ 5,400.00	\$ 16,200.00
COA	839S-MA35	35-FOOT MAST ARM	EA	1	\$ 3,000.00	\$ 3,000.00	\$ 2,511.00	\$ 2,511.00	\$ 2,500.00	\$ 2,500.00	\$ 2,600.00	\$ 2,600.00	\$ 2,500.00	\$ 2,500.00
COA	839S-MA45	45-FOOT MAST ARM	EA	2	\$ 4,000.00	\$ 8,000.00	\$ 3,333.00	\$ 6,666.00	\$ 3,300.00	\$ 6,600.00	\$ 3,300.00	\$ 6,600.00	\$ 3,300.00	\$ 6,600.00
COA	839S-SDX1	TYPE 1 SIGNLE DAVIT EXTENSION (WITH LUMINAIRE)	EA	3	\$ 1,600.00	\$ 4,800.00	\$ 1,444.00	\$ 4,332.00	\$ 1,430.00	\$ 4,290.00	\$ 1,450.00	\$ 4,350.00	\$ 1,400.00	\$ 4,200.00
COA	840D-TSI	TRAFFIC SIGNAL INSTALLATION	EA	1	\$ 30,000.00	\$ 30,000.00	\$ 20,833.00	\$ 20,833.00	\$ 20,600.00	\$ 20,600.00	\$ 21,000.00	\$ 21,000.00	\$ 20,000.00	\$ 20,000.00
COA	16120S	WIRING	LS	1	\$ 8,000.00	\$ 8,000.00	\$ 1,667.00	\$ 1,667.00	\$ 1,650.00	\$ 1,650.00	\$ 1,650.00	\$ 1,650.00	\$ 1,600.00	\$ 1,600.00
COA	16120S	ELEC CONDUCTOR (NO. 6) INSULATED	LF	56		Item Subsidiary to WIRING	\$ 1.67	\$ 93.52	\$ 2.00	\$ 112.00	\$ 1.65	\$ 92.40	\$ 2.00	\$ 112.00
COA	16120S	ELEC CONDUCTOR (NO. 6) BARE	LF	28		Item Subsidiary to WIRING	\$ 1.44	\$ 40.32	\$ 2.00	\$ 56.00	\$ 1.50	\$ 42.00	\$ 2.00	\$ 56.00
COA	16120S	ELEC CONDUCTOR (NO. 8) BARE	LF	986		Item Subsidiary to WIRING	\$ 1.22	\$ 1,202.92	\$ 2.00	\$ 1,972.00	\$ 1.25	\$ 1,232.50	\$ 1.20	\$ 1,183.20
COA	16120S	TRAF SIG CBL (TY A) (2 CONDR)(14 AWG) - SHIELDED TWISTED PAIR	LF	779		Item Subsidiary to WIRING	\$ 1.22	\$ 950.38	\$ 2.00	\$ 1,558.00	\$ 1.25	\$ 973.75	\$ 1.20	\$ 934.80
COA	16120S	TRAF SIG CBL (TY A) (2 CONDR)(12 AWG)	LF	502		Item Subsidiary to WIRING	\$ 1.33	\$ 667.66	\$ 2.00	\$ 1,004.00	\$ 1.35	\$ 677.70	\$ 1.30	\$ 652.60
COA	16120S	TRAF SIG CBL (TY A) (4 CONDR)(12 AWG)	LF	101		Item Subsidiary to WIRING	\$ 1.67	\$ 168.67	\$ 2.00	\$ 202.00	\$ 1.75	\$ 176.75	\$ 2.00	\$ 202.00
COA	16120S	TRAF SIG CBL (TY A) (7 CONDR)(12 AWG)	LF	3		Item Subsidiary to WIRING	\$ 1.94	\$ 5.82	\$ 2.00	\$ 6.00	\$ 2.00	\$ 6.00	\$ 2.00	\$ 6.00
COA	16120S	TRAF SIG CBL (TY A) (20 CONDR)(14 AWG)	LF	1551		Item Subsidiary to WIRING	\$ 5.00	\$ 7,755.00	\$ 5.00	\$ 7,755.00	\$ 5.20	\$ 8,065.20	\$ 5.00	\$ 7,755.00
COA	16120S	TRAF SIG CBL (TY A) (2 CONDR)(18 AWG) - SINGLE TWISTED PAIR	LF	341		Item Subsidiary to WIRING	\$ 1.11	\$ 378.51	\$ 2.00	\$ 682.00	\$ 1.15	\$ 392.15	\$ 1.00	\$ 341.00

ALTERNATE - 1 BID (LTISD TRAFFIC SIGNAL) SUBTOTAL				\$ 161,596.00	\$ 143,612.99	\$ 144,705.00	\$ 144,151.55	\$ 141,390.60
TOTAL BID TOTAL:				Eng Est \$ 8,430,581.55	Smith \$ 7,544,173.54	Chasco \$ 9,093,996.70	RGM \$ 11,172,031.68	Capital \$ 11,555,292.42