

**ITS SIGNAL SYNCHRONIZATION, PHASE II PROJECT**  
CML - 5241 (054)

**BID ITEM LIST SUMMARY**

ITEM NO	ITEM	UNIT	QTY	Pacific Excavation, Inc.		Kertel Communication, Inc. DBA Sebastian		St. Francis Electric, LLC		Tennysen Electric, Inc.		California Professional Engineering, Inc.		Cal Electro, Inc.	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Mobilization	LS	1	\$19,500.00	\$19,500.00	\$10,000.00	\$10,000.00	\$25,000.00	\$25,000.00	\$29,600.00	\$29,600.00	\$10,000.00	\$10,000.00	\$18,000.00	\$18,000.00
2	Traffic Control	LS	1	\$26,820.00	\$26,820.00	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00	\$22,500.00	\$22,500.00	\$10,000.00	\$10,000.00	\$31,000.00	\$31,000.00
3	Maintaining Existing and Temporary Electrical Systems	LS	1	\$1,000.00	\$1,000.00	\$5,000.00	\$5,000.00	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00
4	Water Pollution / Erosion Control	LS	1	\$525.00	\$525.00	\$1.00	\$1.00	\$3,000.00	\$3,000.00	\$6,500.00	\$6,500.00	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00
5	Equipment & System Testing	LS	1	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	\$6,830.00	\$6,830.00	\$18,000.00	\$18,000.00	\$47,340.00	\$47,340.00	\$5,000.00	\$5,000.00
6	Furnish, Install, & Program Equipment at City's TOC	LS	1	\$9,500.00	\$9,500.00	\$10,500.00	\$10,500.00	\$17,900.00	\$17,900.00	\$21,000.00	\$21,000.00	\$6,360.00	\$6,360.00	\$5,000.00	\$5,000.00
7	3-Year Warranty Services for McCain	LS	1	\$44,000.00	\$44,000.00	\$55,000.00	\$55,000.00	\$51,000.00	\$51,000.00	\$60,000.00	\$60,000.00	\$50,000.00	\$50,000.00	\$7,000.00	\$7,000.00
8	Pot-Hole Underground Utilities	LS	1	\$10,000.00	\$10,000.00	\$7,000.00	\$7,000.00	\$18,890.00	\$18,890.00	\$12,000.00	\$12,000.00	\$5,000.00	\$5,000.00	\$13,000.00	\$13,000.00
<b>Morgan Rd / Hackett Road Intersection: SIGNAL &amp; INTERCONNECT</b>															
9	Remove & Salvage Existing 170 Controller and Conflict Monitor	LS	1	\$225.00	\$225.00	\$500.00	\$500.00	\$450.00	\$450.00	\$2,650.00	\$2,650.00	\$250.00	\$250.00	\$900.00	\$900.00
10	Remove Existing Wireless Communications Modem, Antenna, and Wiring	LS	1	\$195.00	\$195.00	\$500.00	\$500.00	\$550.00	\$550.00	\$1,900.00	\$1,900.00	\$1,620.00	\$1,620.00	\$500.00	\$500.00
11	2070 Signal Controller with 2033 Program	EA	1	\$7,750.00	\$7,750.00	\$11,500.00	\$11,500.00	\$6,500.00	\$6,500.00	\$9,500.00	\$9,500.00	\$5,800.00	\$5,800.00	\$6,000.00	\$6,000.00
12	Conflict Monitor Compatible with 2070 Controller	EA	1	\$1,500.00	\$1,500.00	\$950.00	\$950.00	\$1,500.00	\$1,500.00	\$2,100.00	\$2,100.00	\$1,500.00	\$1,500.00	\$3,200.00	\$3,200.00
13	Ethernet Switch	EA	1	\$3,000.00	\$3,000.00	\$4,500.00	\$4,500.00	\$2,900.00	\$2,900.00	\$14,700.00	\$14,700.00	\$3,360.00	\$3,360.00	\$675.00	\$675.00
14	Fiber Optic Interface	EA	1	\$750.00	\$750.00	\$1,000.00	\$1,000.00	\$900.00	\$900.00	\$1,400.00	\$1,400.00	\$2,160.00	\$2,160.00	\$1,200.00	\$1,200.00
15	Cat6 Cable	LF	30	\$2.00	\$60.00	\$2.00	\$60.00	\$2.50	\$75.00	\$50.00	\$1,500.00	\$2.40	\$72.00	\$2.50	\$75.00
16	12 Strand SMFO Cable	LF	100	\$1.00	\$100.00	\$3.00	\$300.00	\$3.00	\$300.00	\$30.00	\$3,000.00	\$3.90	\$390.00	\$5.30	\$530.00
17	Connect New Conduit to Existing Pull Box	EA	1	\$175.00	\$175.00	\$2,000.00	\$2,000.00	\$480.00	\$480.00	\$1,100.00	\$1,100.00	\$4,000.00	\$4,000.00	\$200.00	\$200.00
18	Conduit (Trench in dirt)	LF	5	\$20.00	\$100.00	\$15.00	\$75.00	\$7.00	\$35.00	\$400.00	\$1,600.00	\$100.00	\$500.00	\$35.00	\$175.00
19	General Wiring, Fiber Optic Splicing & Clean Up	LS	1	\$2,795.00	\$2,795.00	\$1,000.00	\$1,000.00	\$3,100.00	\$3,100.00	\$1,500.00	\$1,500.00	\$2,640.00	\$2,640.00	\$4,200.00	\$4,200.00
20	General Concrete Repair Work	SF	30	\$40.00	\$1,200.00	\$45.00	\$1,350.00	\$25.00	\$750.00	\$40.00	\$1,200.00	\$30.00	\$900.00	\$15.00	\$450.00
<b>Morgan Road / Whitmore Avenue Intersection: SIGNAL &amp; INTERCONNECT</b>															
21	Remove & Salvage Existing 170 Controller and Conflict Monitor	LS	1	\$225.00	\$225.00	\$500.00	\$500.00	\$450.00	\$450.00	\$2,650.00	\$2,650.00	\$200.00	\$200.00	\$900.00	\$900.00
22	Remove Existing Wireless Communication Modem, Antenna, and Wiring	LS	1	\$195.00	\$195.00	\$500.00	\$500.00	\$550.00	\$550.00	\$1,900.00	\$1,900.00	\$1,620.00	\$1,620.00	\$500.00	\$500.00
23	2070 Signal Controller with 2033 Program	EA	1	\$7,750.00	\$7,750.00	\$11,500.00	\$11,500.00	\$6,500.00	\$6,500.00	\$9,500.00	\$9,500.00	\$5,800.00	\$5,800.00	\$6,000.00	\$6,000.00
24	Conflict Monitor Compatible with 2070 Controller	EA	1	\$1,500.00	\$1,500.00	\$950.00	\$950.00	\$1,500.00	\$1,500.00	\$2,100.00	\$2,100.00	\$1,500.00	\$1,500.00	\$3,200.00	\$3,200.00
25	Ethernet Switch	EA	1	\$3,000.00	\$3,000.00	\$4,500.00	\$4,500.00	\$2,900.00	\$2,900.00	\$14,700.00	\$14,700.00	\$3,360.00	\$3,360.00	\$675.00	\$675.00
26	Fiber Optic Interface	EA	1	\$750.00	\$750.00	\$1,000.00	\$1,000.00	\$900.00	\$900.00	\$1,400.00	\$1,400.00	\$2,160.00	\$2,160.00	\$1,200.00	\$1,200.00
27	Cat6 Cable	LF	30	\$2.00	\$60.00	\$2.00	\$60.00	\$2.50	\$75.00	\$50.00	\$1,500.00	\$2.40	\$72.00	\$2.50	\$75.00
28	12 Strand SMFO Cable	LF	100	\$1.00	\$100.00	\$3.00	\$300.00	\$3.00	\$300.00	\$30.00	\$3,000.00	\$3.90	\$390.00	\$5.30	\$530.00
29	24 Strand SMFO Cable	LF	100	\$2.00	\$200.00	\$4.00	\$400.00	\$3.25	\$325.00	\$40.00	\$4,000.00	\$4.50	\$450.00	\$6.80	\$680.00
30	Connect New Conduit to Existing Pull Box	EA	1	\$175.00	\$175.00	\$2,000.00	\$2,000.00	\$480.00	\$480.00	\$900.00	\$900.00	\$3,000.00	\$3,000.00	\$200.00	\$200.00
31	Conduit (Trench in pavement)	LF	35	\$100.00	\$3,500.00	\$15.00	\$525.00	\$7.00	\$245.00	\$300.00	\$1,050.00	\$100.00	\$3,500.00	\$65.00	\$2,275.00
32	Relocate Fiber Optic Splice Enclosure & Splice Modifications	EA	1	\$771.00	\$771.00	\$500.00	\$500.00	\$1,550.00	\$1,550.00	\$4,500.00	\$4,500.00	\$4,680.00	\$4,680.00	\$800.00	\$800.00
33	General Wiring, Fiber Optic Splicing & Clean Up	LS	1	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$3,100.00	\$3,100.00	\$0.00	\$0.00	\$2,640.00	\$2,640.00	\$6,200.00	\$6,200.00
<b>Morgan Road Segment: Hackett Road to Whitmore Avenue: INTERCONNECT</b>															
34	Pull Box #6	EA	4	\$1,000.00	\$4,000.00	\$550.00	\$2,200.00	\$730.00	\$2,920.00	\$1,150.00	\$4,600.00	\$800.00	\$3,200.00	\$1,500.00	\$6,000.00
35	Split Lid Vault	EA	5	\$5,750.00	\$28,750.00	\$6,000.00	\$30,000.00	\$9,500.00	\$47,500.00	\$5,900.00	\$29,500.00	\$4,500.00	\$22,500.00	\$800.00	\$4,000.00
36	48 Strand SMFO Cable	LF	3120	\$3.00	\$9,360.00	\$4.00	\$12,480.00	\$3.50	\$10,920.00	\$12.00	\$37,440.00	\$4.68	\$14,601.60	\$2.00	\$6,240.00
37	Conduit (Trench in dirt)	LF	70	\$20.00	\$1,400.00	\$15.00	\$1,050.00	\$7.00	\$490.00	\$80.00	\$5,600.00	\$50.00	\$3,500.00	\$35.00	\$2,450.00
38	Conduit (Directional Bore)	LF	2680	\$30.00	\$80,400.00	\$15.00	\$40,200.00	\$13.00	\$34,840.00	\$70.00	\$187,600.00	\$45.00	\$120,600.00	\$65.00	\$174,200.00
39	Fiber Conduit Protection Markers	LS	1	\$750.00	\$750.00	\$1,000.00	\$1,000.00	\$160.00	\$160.00	\$600.00	\$600.00	\$2,000.00	\$2,000.00	\$100.00	\$100.00
40	General Concrete Repair Work	SF	92	\$40.00	\$3,680.00	\$45.00	\$4,140.00	\$25.00	\$2,300.00	\$30.00	\$2,760.00	\$30.00	\$2,760.00	\$15.00	\$1,380.00
<b>Central Avenue / CVHS Entrance Intersection: SIGNAL &amp; INTERCONNECT</b>															
41	Remove & Salvage Existing 170 Controller and Conflict Monitor	LS	1	\$225.00	\$225.00	\$500.00	\$500.00	\$450.00	\$450.00	\$2,650.00	\$2,650.00	\$200.00	\$200.00	\$900.00	\$900.00
42	2070 Signal Controller with 2033 Program	EA	1	\$7,750.00	\$7,750.00	\$11,500.00	\$11,500.00	\$6,500.00	\$6,500.00	\$9,500.00	\$9,500.00	\$5,800.00	\$5,800.00	\$6,000.00	\$6,000.00
43	Conflict Monitor Compatible with 2070 Controller	EA	1	\$1,500.00	\$1,500.00	\$950.00	\$950.00	\$1,500.00	\$1,500.00	\$2,100.00	\$2,100.00	\$1,500.00	\$1,500.00	\$3,200.00	\$3,200.00
44	Ethernet Switch	EA	1	\$3,000.00	\$3,000.00	\$4,500.00	\$4,500.00	\$2,900.00	\$2,900.00	\$9,650.00	\$9,650.00	\$3,360.00	\$3,360.00	\$675.00	\$675.00
45	Fiber Optic Interface	EA	1	\$750.00	\$750.00	\$1,000.00	\$1,000.00	\$900.00	\$900.00	\$1,500.00	\$1,500.00	\$2,400.00	\$2,400.00	\$1,200.00	\$1,200.00
46	Battery Back-Up Cabinet & Battery Back-up System Modifications	EA	1	\$5,900.00	\$5,900.00	\$6,500.00	\$6,500.00	\$5,860.00	\$5,860.00	\$9,600.00	\$9,600.00	\$7,000.00	\$7,000.00	\$3,200.00	\$3,200.00
47	Cat6 Cable	LF	30	\$2.00	\$60.00	\$2.00	\$60.00	\$2.50	\$75.00	\$50.00	\$1,500.00	\$2.40	\$72.00	\$2.50	\$75.00
48	12 Strand SMFO Cable	LF	100	\$1.00	\$100.00	\$3.00	\$300.00	\$3.00	\$300.00	\$30.00	\$3,000.00	\$3.90	\$390.00	\$5.30	\$530.00
49	Connect New Conduit to Existing Pull Box	EA	1	\$175.00	\$175.00	\$2,000.00	\$2,000.00	\$480.00	\$480.00	\$1,100.00	\$1,100.00	\$2,500.00	\$2,500.00	\$200.00	\$200.00
50	Conduit (Trench in dirt)	LF	7	\$20.00	\$140.00	\$15.00	\$105.00	\$7.00	\$49.00	\$400.00	\$2,800.00	\$100.00	\$700.00	\$35.00	\$245.00
51	General Wiring, Fiber Optic Splicing & Clean Up	LS	1	\$4,000.00	\$4,000.00	\$1,000.00	\$1,000.00	\$3,100.00	\$3,100.00	\$4,650.00	\$4,650.00	\$2,640.00	\$2,640.00	\$4,200.00	\$4,200.00
<b>Central Avenue Segment: CVHS Entrance to Service Road: INTERCONNECT</b>															
52	Pull Box #6	EA	3	\$1,000.00	\$3,000.00	\$550.00	\$1,650.00	\$730.00	\$2,190.00	\$1,250.00	\$3,750.00	\$800.00	\$2,400.00	\$1,500.00	\$4,500.00
53	Split Lid Vault	EA	3	\$5,750.00	\$17,250.00	\$6,000.00	\$18,000.00	\$9,500.00	\$28,500.00	\$4,900.00	\$14,700.00	\$4,500.00	\$13,500.00	\$800.00	\$2,400.00
54	12 Strand SMFO Cable	LF	100	\$1.00	\$100.00	\$3.00	\$300.00	\$3.00	\$300.00	\$30.00	\$3,000.00	\$4.20	\$420.00	\$5.30	\$530.00
55	48 Strand SMFO Cable	LF	1350	\$3.00	\$4,050.00	\$4.00	\$5,400.00	\$3.50	\$4,725.00	\$13.00	\$17,550.00	\$4.68	\$6,318.00	\$3.50	\$4,725.00
56	Conduit (Directional Bore)	LF	1200	\$30.00	\$36,000.00	\$15.00	\$18,000.00	\$13.00	\$15,600.00	\$65.00	\$78,000.00	\$45.00	\$66,000.00	\$65.00	\$78,000.00
57	Conduit (Trench in concrete)	LF	34	\$100.00	\$3,400.00	\$15.00	\$510.00	\$22.00	\$748.00	\$80.00	\$2,720.00	\$100.00	\$3,400.00	\$95.00	\$3,230.00
58	Fiber Conduit Protection Markers	LS	1	\$750.00	\$750.00	\$900.00	\$900.00	\$160.00	\$160.00	\$600.00	\$600.00	\$2,000.00	\$2,000.00	\$100.00	\$100.00
59	General Concrete Repair Work	SF	230	\$40.00	\$9,200.00	\$45.00	\$10,350.00	\$25.00	\$5,750.00	\$30.00	\$6,900.00	\$30.00	\$6,900.00	\$15.00	\$3,450.00
<b>Central Ave / Service Road Intersection: SIGNAL &amp; INTERCONNECT</b>															
60															