EXHIBIT A

FRESNO COUNTY DEPARTMENT OF PUBLIC WORKS AND PLANNING PROJECT COST ESTIMATE FOR GRANTLAND AVE AND SHAW AVE TRAFFIC SIGNAL

EXHIBIT A

1	ITEM NO.	EST QUANT	F/ S	UNIT OF MEAS	ITEM	ITEM PRICE	TOTAL PRICE
1	1	1		LS	LEAD COMPLIANCE PLAN	\$2,000.00	\$2,000
4 1 LS JOB SITE MANAGEMENT \$6,000 \$6,000 \$6,000 \$6,000 \$6,000 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$6,4500 \$1,200 \$27,480 \$1,200 \$27,480 \$1,200 \$27,480 \$1,000 \$27,480 \$1,000 \$3,000 \$11,430 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
5 1 LS PREPARE WATER POLLUTION CONTROL PROGRAM \$4,500.00 \$4,500 6 2290 LF REMOVE YELLOW PAINTED TRAFFIC STRIPE \$12,00 \$27,480 7 2540 LF REMOVE PAINTED TRAFFIC STRIPE \$4.50 \$11,430 8 300 SF REMOVE PAINTED PAVEMENT MARKING \$10,00 \$3,000 9 190 EA REMOVE PAINTED PAVEMENT MARKER \$1,00 \$190 10 3 EA REMOVE ROADSIDE SIGN \$50,00 \$150 11 5 EA REMOVE ROADSIDE SIGN AND POST \$150,00 \$750 12 1 EA RELOCATE MAILBOX \$150,00 \$2490 14 3 EA RELOCATE CHAIN LINK FENCE \$30,00 \$2490 15 2447 SY COLD PLANE ASPHALT CONCRETE PAVEMENT \$10,00 \$24,470 16 1 LS CLEARING AND GRUBBING \$20,000 \$20,000 17 1410 CY ROADWAY EXCAVATION \$35,00 <	3	1		LS		\$11,000.00	
1	4	1		LS	JOB SITE MANAGEMENT	\$6,000.00	\$6,000
6 22540 LF REMOVE PAINTED TRAFFIC STRIPE \$4.50 \$11.430 8 300 SF REMOVE PAINTED PAVEMENT MARKING \$10.00 \$3,000 9 190 EA REMOVE PAVEMENT MARKER \$1.00 \$190 10 3 EA REMOVE PAVEMENT MARKER \$1.00 \$190 11 5 EA REMOVE ROADSIDE SIGN \$50.00 \$150 11 5 EA REMOVE ROADSIDE SIGN AND POST \$150.00 \$750 12 1 EA RELOCATE CHAIN LINK FENCE \$30.00 \$2.490 13 83 LF RELOCATE CHAIN LINK FENCE \$30.00 \$2.490 14 3 EA RELOCATE CHAIN LINK FENCE \$30.00 \$24.470 16 1 LS CLEARING AND GRUBBING \$20.000 \$20.000 17 1410 CY ROADWAY EXCAVATION \$35.00 \$49.350 18 1 LS FINISHING ROADWAY \$2.000.00 \$34.00 20<	5	1		LS	PREPARE WATER POLLUTION CONTROL PROGRAM	\$4,500.00	\$4,500
8 300 SP REMOVE PAINTED PAVEMENT MARKING \$10.00 \$3.000 9 190 EA REMOVE PAINTED PAVEMENT MARKER \$1.00 \$190 10 3 EA REMOVE ROADSIDE SIGN \$50.00 \$150 11 5 EA REMOVE ROADSIDE SIGN \$50.00 \$750 12 1 EA RELOCATE MAILBOX \$150.00 \$750 13 83 LF RELOCATE CHAIN LINK FENCE \$30.00 \$2.490 14 3 EA RELOCATE ROADSIDE SIGN \$20.00 \$2.490 15 2447 SY COLD PLANE ASPHALT CONCRETE PAVEMENT \$10.00 \$24.470 16 1 LS CLEARING AND GRUBBING \$20.000 \$24.470 17 1410 CV ROADWAY EXCAVATION \$33.00 \$34.140 18 1 LS FINISHING ROADWAY \$2.000 \$2.000 19 569 CV CLASS 2 AGGREGATE BASE \$60.00 \$34.140 20 1076 Th HOT MIX ASPHALT (TYPE A) \$80.00 \$4.600 21 3.2 TON TACK COAT \$80.00 \$1.600 22 2 EA ROADSIDE SIGN PANEL ON EXISTING POST \$2.000 \$4.500 23 3 EA NISTALL FRAMED SIGN PANEL (STRIPE (DETAIL 27B) \$1.50 \$6.150 25 150 LF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27B) \$1.50 \$6.150 26 4100 LF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27B) \$1.50 \$6.150 30 128 SP THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27B) \$1.50 \$6.00 \$7.44 31 124 SP THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27B) \$1.50 \$6.00 \$7.44 31 124 SP THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27B) \$1.50 \$6.00 \$7.80 30 128 SP THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27B) \$1.50 \$6.510 31 124 SP THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27B) \$1.50 \$6.50 \$7.50 33 41 EA PAVEMENT MARKING (RETROREFLECTIVE) - TYPE IN ARROW \$6.00 \$7.44 31 124 SP THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27B) \$1.50 \$6.50 \$7.50 33 14 EA PAVEMENT MARKING (RETROREFLECTIVE) - SIGNAL \$6.00 \$7.44 34 191 EA PAVEMENT MARKING (RETROREFLECTIVE) - SIERE LOOP SYMBOL \$2.200 \$7.50 35 1 LS TRAFFIC SIGNALS AND LIGHTING \$2.50.00 \$9.50 36 24 EA NIDULTIVE LOOP DETECTOR \$4.00.00 \$9.60	6	2290		LF	REMOVE YELLOW PAINTED TRAFFIC STRIPE(HAZARDOUS WASTE)	\$12.00	\$27,480
0 300 SP \$100 \$190 EA REMOVE PAVEMENT MARKER \$100 \$190 \$150 \$190 \$150 \$190 \$190 \$190 \$2490 \$190 \$2490 \$2490 \$190 \$190 \$2447 \$190 \$20000 \$24000 \$24470 \$20000 \$24470 \$20000 <td>7</td> <td>2540</td> <td></td> <td>LF</td> <td>REMOVE PAINTED TRAFFIC STRIPE</td> <td>\$4.50</td> <td>\$11,430</td>	7	2540		LF	REMOVE PAINTED TRAFFIC STRIPE	\$4.50	\$11,430
19	8	300		SF	REMOVE PAINTED PAVEMENT MARKING	\$10.00	\$3,000
10	9	190		EA	REMOVE PAVEMENT MARKER	\$1.00	\$190
12	10	3		EA	REMOVE ROADSIDE SIGN	\$50.00	\$150
13	11	5		EA	REMOVE ROADSIDE SIGN AND POST	\$150.00	\$750
14 3	12	1		EA	RELOCATE MAILBOX	\$150.00	\$150
14 3	13	83		LF	RELOCATE CHAIN LINK FENCE	\$30.00	\$2,490
15 2447 SY COLD PLANE ASPHALT CONCRETE PAVEMENT \$10.00 \$24,470 16 1 LS CLEARING AND GRUBBING \$20,000.00 \$20,000.00 17 1410 CY ROADWAY EXCAVATION \$35.00 \$49,350 18 1 LS FINISHING ROADWAY \$2,000.00 \$2,000 19 569 CY CLASS 2 AGGREGATE BASE \$60.00 \$34,140 20 1076 TN HOT MIX ASPHALT (TYPE A) \$80.00 \$86,080 21 3.2 TON TACK COAT \$500.00 \$1,600 22 2 EA ROADSIDE SIGN - ONE POST \$250.00 \$500 23 3 EA INSTALL ROADSIDE SIGN PANEL ON EXISTING POST \$150.00 \$450 24 4 EA INSTALL FRAMED SIGN PANEL ON EXISTING POST \$150.00 \$3,200 25 150 LF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27) \$500.00 \$3,200 25 150 LF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 28)				EA	RELOCATE ROADSIDE SIGN		\$600
16		2447			COLD PLANE ASPHALT CONCRETE PAVEMENT		\$24,470
17		1		LS	CLEARING AND GRUBBING		\$20,000
18					ROADWAY EXCAVATION		\$49,350
19					FINISHING ROADWAY		\$2,000
20					CLASS 2 AGGREGATE BASE		\$34,140
22 2 EA ROADSIDE SIGN - ONE POST \$3500.00 \$5500					HOT MIX ASPHALT (TYPE A)		\$86,080
23 3 EA INSTALL ROADSIDE SIGN PANEL ON EXISTING POST \$150.00 \$450 24 4 EA INSTALL FRAMED SIGN PANEL ON EXISTING POST \$150.00 \$3,200 25 150 LF THERMOPLASTIC TRAFFIC STRIPE (12* WHITE) \$5.00 \$750 26 4100 LF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27B) \$1.50 \$6,150 27 2170 LF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 22) \$3.00 \$6,510 28 910 LF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 22) \$3.00 \$6,510 29 150 SF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 38) \$3.00 \$2,730 30 128 SF THERMOPLASTIC PAVEMENT MARKING (RETROREFLECTIVE) - TYPE IV ARROW \$6.00 \$900 30 128 SF THERMOPLASTIC PAVEMENT MARKING (RETROREFLECTIVE) - SIGNAL \$6.00 \$768 31 124 SF THERMOPLASTIC PAVEMENT MARKING (RETROREFLECTIVE) - AHEAD \$6.00 \$744 32 16 SF PAINT PAVEMENT MARKING (RETROREFLECTIVE) - BIKE LOOP SYMBOL \$2.00 \$32 33 41 EA PAVEMENT MARKER (RETROREFLECTIVE) - TYPE G \$5.00 \$955 34 191 EA PAVEMENT MARKER (RETROREFLECTIVE) - TYPE D \$5.00 \$955 35 1 LS TRAFFIC SIGNALS AND LIGHTING \$262,000.00 \$262,000.00 \$9,600	21	3.2		TON	TACK COAT	\$500.00	\$1,600
23 3 EA INSTALL FRAMED SIGN PANEL(STREET NAME SIGN ON SIGNAL POLE) \$800.00 \$3,200 25 150 LF THERMOPLASTIC TRAFFIC STRIPE (12* WHITE) \$5.00 \$750 26 4100 LF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27B) \$1.50 \$6,150 27 2170 LF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 22) \$3.00 \$6,510 28 910 LF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 38) \$3.00 \$2,730 29 150 SF THERMOPLASTIC PAVEMENT MARKING (RETROREFLECTIVE) - TYPE IV ARROW \$6.00 \$900 30 128 SF THERMOPLASTIC PAVEMENT MARKING (RETROREFLECTIVE) - SIGNAL \$6.00 \$768 31 124 SF THERMOPLASTIC PAVEMENT MARKING (RETROREFLECTIVE) - AHEAD \$6.00 \$744 32 16 SF PAINT PAVEMENT MARKING (RETROREFLECTIVE) - BIKE LOOP SYMBOL \$2.00 \$32 33 41 EA PAVEMENT MARKER (RETROREFLECTIVE) - TYPE G \$5.00 \$205 34 191 EA PAVEMENT MARKER (RETROREFLECTIVE) - TYPE D \$5.00 \$955 35 1 LS TRAFFIC SIGNALS AND LIGHTING \$262,000.00 \$9,600	22	2		EA	ROADSIDE SIGN - ONE POST	\$250.00	\$500
25	23	3		EA	INSTALL ROADSIDE SIGN PANEL ON EXISTING POST	\$150.00	\$450
25 150 LF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27B) \$1.50 \$6,150 27 2170 LF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 22) \$3.00 \$6,510 28 910 LF THERMOPLASTIC TRAFFIC STRIPE (DETAIL 38) \$3.00 \$2.730 29 150 SF THERMOPLASTIC PAVEMENT MARKING (RETROREFLECTIVE) - TYPE IV ARROW \$6.00 \$900 30 128 SF THERMOPLASTIC PAVEMENT MARKING (RETROREFLECTIVE) - SIGNAL \$6.00 \$768 31 124 SF THERMOPLASTIC PAVEMENT MARKING (RETROREFLECTIVE) - AHEAD \$6.00 \$744 32 16 SF PAINT PAVEMENT MARKING (RETROREFLECTIVE) - BIKE LOOP SYMBOL \$2.00 \$32 33 41 EA PAVEMENT MARKING (RETROREFLECTIVE) - TYPE G \$5.00 \$205 34 191 EA PAVEMENT MARKER (RETROREFLECTIVE) - TYPE D \$5.00 \$955 35 1 LS TRAFFIC SIGNALS AND LIGHTING \$262,000.00 \$262,000.00 \$9,600	24	4		EA	INSTALL FRAMED SIGN PANEL(STREET NAME SIGN ON SIGNAL POLE)	\$800.00	\$3,200
27 2170	25	150		LF	THERMOPLASTIC TRAFFIC STRIPE (12" WHITE)	\$5.00	\$750
21	26	4100		LF	THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27B)	\$1.50	\$6,150
29 150	27	2170		LF	THERMOPLASTIC TRAFFIC STRIPE (DETAIL 22)	\$3.00	\$6,510
30 128 SF THERMOPLASTIC PAVEMENT MARKING (RETROREFLECTIVE) - SIGNAL \$6.00 \$768	28	910		LF	THERMOPLASTIC TRAFFIC STRIPE (DETAIL 38)	\$3.00	\$2,730
30 128 SF	29	150		SF	THERMOPLASTIC PAVEMENT MARKING (RETROREFLECTIVE) - TYPE IV ARROW	\$6.00	\$900
31 124 SF SF PAINT PAVEMENT MARKING (RETROREFLECTIVE) - BIKE LOOP SYMBOL \$2.00 \$32	30	128		SF	THERMOPLASTIC PAVEMENT MARKING (RETROREFLECTIVE) - SIGNAL	\$6.00	\$768
32 16 3F 32.00	31	124		SF	THERMOPLASTIC PAVEMENT MARKING (RETROREFLECTIVE) - AHEAD	\$6.00	\$744
33 41 EA	32	16		SF	PAINT PAVEMENT MARKING (RETROREFLECTIVE) - BIKE LOOP SYMBOL	\$2.00	\$32
35 1 LS TRAFFIC SIGNALS AND LIGHTING \$262,000.00 \$262,000 36 24 EA INDUCTIVE LOOP DETECTOR \$400.00 \$9,600	33	41		EA	PAVEMENT MARKER (RETROREFLECTIVE) - TYPE G	\$5.00	\$205
35 1 LS TRAFFIC SIGNALS AND LIGHTING \$262,000.00 \$262,000 36 24 EA INDUCTIVE LOOP DETECTOR \$400.00 \$9,600	34	191		EA	PAVEMENT MARKER (RETROREFLECTIVE) - TYPE D	\$5.00	\$955
36 24 EA INDUCTIVE LOOP DETECTOR \$400.00 \$9,600	35	1		LS	TRAFFIC SIGNALS AND LIGHTING		\$262,000
10000		24			INDUCTIVE LOOP DETECTOR		\$9,600
					MOBILIZATION		\$10,000

		FEDERAL			EST. COUNTY			90% EST. CITY
SUBTOTAL CONTRACT CONSTRUCTION	\$596,874	5,874 RFIMB	LOCAL MATCH	COUNTY %	COST	CITY %	EST.CITY COST	SHARE
CONTINGENCY @ 10% OF SUBTOTAL	\$59,687							
TOTAL CONTRACT CONSTRUCTION, CON	\$656,561	\$458,106	\$198,455	75.00%	\$148,842	25.00%	\$49,614	\$44,652
PRELIMINARY ENGINEERING,PE @ 25% OF SUBTOTAL	\$164,140	\$107,000	\$57,140		\$42,855		\$14,285	\$12,857
CONSTRUCTION ENGINEERING,CE @ 15% OF SUBTOTAL	\$98,484	\$68,716	\$29,768		\$22,326		\$7,442	\$6,698
TOTAL PROJECT COST	\$919,186	\$633,822	\$285,364		\$214,023		\$71,341	\$64,207