

**BID TABULATION**

**PROJECT NUMBER: 02-100T**

PROJECT NAME: MOT - FAR HILLS AVENUE (SR 48)  
SAFETY IMPROVEMENTS STROOP TO DAVID  
ODOT PID NUMBER: 88218  
BID DATE: MARCH 5, 2015

CONTRACTOR NO. 1  
CAPITAL ELECTRIC  
3150 ENCRETE LANE  
DAYTON, OH 45439  
PHONE: 937-424-2550  
FAX: 937-297-1365

CONTRACTOR NO. 2  
ELEX, INC  
11000 WINTON ROAD  
CINCINNATI, OH 45218  
513-851-3539  
513-851-0403

CONTRACTOR NO. 3  
BANSAL CONSTRUCTION, INC  
3263 HOMEWARD WAY  
FAIRFIELD, OH 45014  
513-874-5410  
513-874-1346

ENGINEER'S ESTIMATE

NUMBER OF WORKING DAYS TO COMPLETION:	365	270	325	
TOTAL BID:	\$882,522.55	\$973,785.00	\$974,301.23	\$1,185,087.00

REF. CITY NO. SPEC.	DESCRIPTION	EST'D QUANT.	UNITS	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<b>Maintenance of Traffic</b>												
1	614	MAINTAINING TRAFFIC, AS PER PLAN	1	LS	16262.95	16262.95	31778.80	31778.80	15000.00	15000.00	9000.00	9000.00
<b>Conduits (Bored or Trenched)</b>												
2A	625	TRENCH	1000	LF	7.30	7300.00	9.20	9200.00	8.30	8300.00	12.00	12000.00
2B	625	TRENCH IN PAVED AREA	200	LF	22.68	4536.00	61.50	12300.00	75.25	15050.00	25.00	5000.00
2C	625	1 - 2" CONDUIT, PVC, JACKED OR DRILLED, 725.051	7252	LF	9.41	68241.32	13.20	95726.40	18.30	132711.60	30.00	217560.00
2D	625	1 - 3" CONDUIT, PVC, JACKED OR DRILLED, 725.051	200	LF	24.92	4984.00	26.50	5300.00	21.00	4200.00	40.00	8000.00
2E	625	1 - 2" & 1 - 3" CONDUIT, PVC, JACKED OR DRILLED, 725.052	195	LF	27.03	5270.85	26.50	5167.50	38.75	7556.25	40.00	7800.00
2F	625	1 - 2" & 2 - 3" CONDUIT, PVC, JACKED OR DRILLED, 725.052	140	LF	23.43	3280.20	40.25	5635.00	45.50	6370.00	42.00	5880.00
2G	625	2 - 2" CONDUIT, PVC, JACKED OR DRILLED, 725.052	1150	LF	11.34	13041.00	26.50	30475.00	28.90	33235.00	40.00	46000.00
2H	625	2 - 3" CONDUIT, PVC, JACKED OR DRILLED, 725.052	185	LF	29.87	5525.95	43.50	8047.50	42.00	7770.00	40.00	7400.00
2 I	625	CONDUIT, 2", 725.04, AS PER PLAN	910	LF	7.82	7116.20	6.35	5778.50	5.95	5414.50	7.00	6370.00
2J	625	CONDUIT, 3", 725.04, AS PER PLAN	148	EA	17.11	2532.28	14.00	2072.00	10.40	1539.20	15.00	2220.00
2K	625	CONDUIT RISER, 2", POWER SERVICE with WEATHERHEAD	3	EA	269.03	807.09	495.00	1485.00	435.00	1305.00	100.00	300.00
2L	625	CONDUIT RISER, 2", FIBER OPTIC, with WEATHERHEAD	3	EA	269.03	807.09	495.00	1485.00	435.00	1305.00	100.00	300.00
<b>Pullboxes</b>												
3A	625	REMOVAL OF EXISTING PULLBOX	2	EA	217.62	435.24	400.00	800.00	100.00	200.00	350.00	700.00
3B	625	PULL BOX, 725.07, 13"x18", AS PER PLAN	34	EA	604.60	20556.40	525.00	17850.00	650.00	22100.00	700.00	23800.00
3C	625	PULL BOX, 725.08, 18"x18", AS PER PLAN	3	EA	632.22	1896.66	820.00	2460.00	700.00	2100.00	750.00	2250.00
3D	625	PULL BOX, 725.08, 24"x24", AS PER PLAN	25	EA	742.72	18568.00	980.00	24500.00	815.00	20375.00	860.00	21500.00
3E	625	PULL BOX, 725.07, 24"x36", AS PER PLAN	11	EA	936.10	10297.10	1285.00	14135.00	1575.00	17325.00	910.00	10010.00
3F	625	PULL BOX, 725.07, 30"x48"x36", AS PER PLAN	1	EA	1208.74	1208.74	2525.00	2525.00	1765.00	1765.00	1100.00	1100.00
<b>Poles &amp; Foundations</b>												
4A	625	LIGHT POLE FOUNDATION, AS PER PLAN	31	EA	1157.77	35890.87	1485.00	46035.00	1950.00	60450.00	1800.00	55800.00
4B	625	LIGHT POLE, CONVENTIONAL, DAVIT ARM, AS PER PLAN	31	EA	3272.88	101459.28	3510.00	108810.00	2930.00	90830.00	2600.00	80600.00
5A	630	PEDESTRIAN RISER FOUNDATION	4	EA	785.46	3141.84	585.00	2340.00	640.00	2560.00	500.00	2000.00
5B	630	PEDESTRIAN RISER, 8' AS PER PLAN	4	EA	484.51	1938.04	350.00	1400.00	742.14	2968.56	300.00	1200.00
6A	632	CAMERA SUPPORT FOUNDATION, AS PER PLAN	1	EA	2411.62	2411.62	2530.00	2530.00	3750.00	3750.00	3000.00	3000.00
6B	632	SIGN SUPPORT FOUNDATION, AS PER PLAN	4	EA	2728.69	10914.76	2530.00	10120.00	3750.00	15000.00	3000.00	12000.00
6C	632	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	6	EA	2728.69	16372.14	2530.00	15180.00	1890.00	11340.00	3000.00	18000.00
6D	632	COMBINATION SIGNAL SUPPORT, TYPE TC-12.30 DESIGN 9, WITH MAST ARMS TC-81.21 DES. 3 & 13, AS PER PLAN (Pole 439-P1)	1	EA	18015.91	18015.91	17310.00	17310.00	17250.00	17250.00	16000.00	16000.00

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 3263 HOMEWARD WAY  
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 513-874-5410  
 513-874-1346

ENGINEER'S ESTIMATE

NUMBER OF WORKING DAYS TO COMPLETION: 365 270 325  
 TOTAL BID: \$882,522.55 \$973,785.00 \$974,301.23 \$1,185,087.00

REF. NO.	CITY SPEC.	DESCRIPTION	EST'D QUANT.	UNITS	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6E	632	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21 DESIGN 12, WITH MAST ARM TC-81.21 DES. 12, AS PER PLAN (Pole 423-P1)	1	EA	10152.73	10152.73	9600.00	9600.00	9350.00	9350.00	18000.00	18000.00
6F	632	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21 DESIGN 13, WITH MAST ARM TC-81.21 DES. 13, AS PER PLAN (Pole 423-P2A)	1	EA	12078.74	12078.74	11955.00	11955.00	11250.00	11250.00	18000.00	18000.00
6G	632	SIGNAL SUPPORT, TYPE TC-12.30 DESIGN 9, WITH MAST ARMS TC-81.21 DES. 13 & 13, AS PER PLAN (Pole 439-P3A)	1	EA	18299.89	18299.89	17845.00	17845.00	16900.00	16900.00	16000.00	16000.00
6H	632	SIGNAL SUPPORT, TYPE TC-12.30 DESIGN 12, WITH MAST ARMS TC-81.21 DES. 13 & 14, AS PER PLAN (Pole 423-P3)	1	EA	19948.55	19948.55	22495.00	22495.00	19175.00	19175.00	18000.00	18000.00
6I	632	COMBINATION SIGN SUPPORT, TYPE TC-16.21 DESIGN 10, WITH MAST ARM TC-81.21 DES. 10, AS PER PLAN (Poles 423-P2B and 439-P2B)	2	EA	9034.47	18068.94	7505.00	15010.00	8175.00	16350.00	15000.00	30000.00
6J	632	COMBINATION SIGN SUPPORT, TYPE TC-16.21 DESIGN 13, WITH MAST ARM TC-81.21 DES. 13, AS PER PLAN (Poles 423-P4B and 439-P4B)	2	EA	10974.85	21949.70	12730.00	25460.00	10140.00	20280.00	15000.00	30000.00
6K	632	SIGNAL SUPPORT, MECHANICAL DAMPER FOR TC-81.20 MAST ARM (GREATER THAN 59' IN LENGTH)	2	EA	217.10	434.20	845.00	1690.00	295.00	590.00	750.00	1500.00
6L	632	SIGNAL SUPPORT, TYPE TC- 81.10 AS PER PLAN (Camera Pole)	1	EA	4862.97	4862.97	4485.00	4485.00	5325.00	5325.00	10000.00	10000.00
<b>Cabling</b>												
7	625	CABLE SPLICING KIT, AS PER PLAN	40	EA	58.97	2358.80	335.00	13400.00	49.00	1960.00	60.00	2400.00
8A	632	LOOP DETECTOR LEAD IN CABLE, 2 CONDUCTOR, NO.14 AWG, SHIELDED	4610	LF	1.25	5762.50	1.35	6223.50	1.65	7606.50	2.50	11525.00
8B	632	POWER CABLE, 2-CONDUCTOR, NO.10 AWG (Lighting)	1305	LF	1.62	2114.10	1.45	1892.25	1.50	1957.50	3.00	3915.00
8C	632	POWER CABLE, 2-CONDUCTOR, NO.6 AWG	5570	LF	1.96	10917.20	2.50	13925.00	2.00	11140.00	4.00	22280.00
8D	632	POWER SERVICE, AS PER PLAN (2 - intersections, 1 - lighting center)	3	EA	1599.77	4799.31	2000.00	6000.00	2275.00	6825.00	2500.00	7500.00
8E	632	SERVICE CABLE, 3-CONDUCTOR, NO.4 AWG (Camera Power)	1255	LF	3.74	4693.70	4.85	6086.75	3.20	4016.00	3.00	3765.00
8F	632	SIGNAL CABLE, 3-CONDUCTOR, NO.14 AWG	1288	LF	1.29	1661.52	1.90	2447.20	1.40	1803.20	2.50	3220.00
8G	632	SIGNAL CABLE, 5-CONDUCTOR, NO. 14 AWG	2501	LF	1.43	3576.43	2.05	5127.05	1.60	4001.60	3.00	7503.00
8H	632	SIGNAL CABLE, 7-CONDUCTOR, NO.14 AWG	673	LF	1.59	1070.07	2.25	1514.25	1.70	1144.10	3.00	2019.00
9A	633	POWER CABLE, 2-CONDUCTOR, No. 4 AWG (Lighting Circuits)	5964	LF	2.85	16997.40	3.20	19084.80	2.50	14910.00	5.00	29820.00
9B	633	SERVICE CABLE, 3-CONDUCTOR, (1/0, 1/0 & #2)	400	LF	6.56	2624.00	9.10	3640.00	8.25	3300.00	5.00	2000.00
<b>Fiber Optic</b>												
10A	804	DROP CABLE, 4MM	540	LF	3.69	1992.60	4.30	2322.00	3.60	1944.00	4.00	2160.00
10B	804	DROP CABLE, 2SM/2MM	1900	LF	2.89	5491.00	2.10	3990.00	2.75	5225.00	6.00	11400.00
10C	804	FIBER OPTIC 24SM/24MM, AS PER PLAN	3640	LF	4.88	17763.20	2.65	9646.00	3.85	14014.00	12.00	43680.00
10D	804	FIBER OPTIC CABLE SPLICING, AS PER PLAN	4	EA	848.37	3393.48	1300.00	5200.00	2950.00	11800.00	1500.00	6000.00
10E	804	FIBER OPTIC CONNECTOR, MM	16	EA	42.40	678.40	30.00	480.00	55.00	880.00	100.00	1600.00

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ENGINEER'S ESTIMATE

NUMBER OF WORKING DAYS TO COMPLETION: 365 270 325  
 TOTAL BID: \$882,522.55 \$973,785.00 \$974,301.23 \$1,185,087.00

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10F	804	FAN OUT KIT, 4 FIBER	4	EA	129.80	519.20	65.00	260.00	500.00	2000.00	700.00	2800.00
10G	804	TERMINATION PANEL, 4 FIBER	4	EA	180.63	722.52	160.00	640.00	525.00	2100.00	300.00	1200.00
10H	804	PATCH CORD, 4 FIBER	4	EA	32.43	129.72	30.00	120.00	30.00	120.00	50.00	200.00
<b>Controller Cabinet</b>												
11	632	LOOP DETECTOR UNIT DELAY AND EXTEND TYPE, AS PER PLAN	12	EA	151.77	1821.24	130.00	1560.00	325.00	3900.00	325.00	3900.00
12A	633	CABINET EXTENSION, AS PER PLAN	2	EA	327.89	655.78	330.00	660.00	545.00	1090.00	450.00	900.00
12B	633	CABINET, TYPE TS2, WITHOUT CONTROLLER, AS PER PLAN	2	EA	9050.52	18101.04	9400.00	18800.00	7465.00	14930.00	9000.00	18000.00
12C	633	CABINET FOUNDATION	2	EA	1515.66	3031.32	1445.00	2890.00	640.00	1280.00	1000.00	2000.00
12D	633	CONTROLLER WORK PAD	2	EA	523.64	1047.28	375.00	750.00	295.00	590.00	200.00	400.00
13	632	CONTROLLER UNIT TYPE TS2/A2 8 PHASE, AS PER PLAN	2	EA	6313.84	12627.68	3000.00	6000.00	6950.00	13900.00	5000.00	10000.00
14	633	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	2	EA	4700.82	9401.64	4000.00	8000.00	4695.00	9390.00	5000.00	10000.00
<b>Lighting Control Center</b>												
15A	633	CABINET EXTENSION, AS PER PLAN	1	EA	327.89	327.89	100.00	100.00	495.00	495.00	450.00	450.00
15B	633	CABINET, LIGHTING CONTROL CENTER, AS PER PLAN	1	EA	8036.13	8036.13	3490.00	3490.00	5425.00	5425.00	9000.00	9000.00
15C	633	CABINET FOUNDATION	1	EA	1047.27	1047.27	1010.00	1010.00	640.00	640.00	1000.00	1000.00
15D	633	CONTROLLER WORK PAD	1	EA	261.82	261.82	290.00	290.00	295.00	295.00	200.00	200.00
<b>Fixtures</b>												
16	625	LUMINAIRE, 240V, 250w, HPS, TYPE IV, AS PER PLAN	38	EA	300.90	11434.20	335.00	12730.00	425.00	16150.00	400.00	15200.00
17	630	SIGNAL HANGER ASSEMBLY, MAST ARM, AS PER PLAN	18	EA	182.53	3285.54	200.00	3600.00	265.00	4770.00	310.00	5580.00
18A	632	COVERING OF PEDESTRIAN SIGNAL HEAD	14	EA	0.10	1.40	5.00	70.00	25.00	350.00	5.00	70.00
18B	632	COVERING OF VEHICULAR SIGNAL HEAD	18	EA	0.10	1.80	5.00	90.00	25.00	450.00	5.00	90.00
18C	632	MISC.: SURVEILLANCE CAMERA AND HARDWARE	2	EA	23636.49	47272.98	12000.00	24000.00	12900.00	25800.00	15000.00	30000.00
18D	632	PEDESTRIAN PUSH BUTTON, AS PER PLAN	8	EA	170.69	1365.52	250.00	2000.00	195.00	1560.00	180.00	1440.00
18E	632	PEDESTRIAN SIGNAL HEAD, (LED), HAND MAN, COUNTDOWN TYPE A2, AS PER PLAN	14	EA	502.49	7034.86	540.00	7560.00	460.00	6440.00	500.00	7000.00
18F	632	PEDESTRIAN SIGNAL HEAD, HANGER ASSEMBLY (18"), AS PER PLAN	8	SET	109.10	872.80	150.00	1200.00	125.00	1000.00	200.00	1600.00
18G	632	PEDESTRIAN SIGNAL HEAD, HANGER ASSEMBLY (PED RISER), AS PER PLAN	2	SET	99.16	198.32	300.00	600.00	400.00	800.00	250.00	500.00
18H	632	SURVEILLANCE CAMERA REMOVED	1	EA	413.14	413.14	750.00	750.00	1725.00	1725.00	200.00	200.00
18 I	632	VEHICULAR SIGNAL HEAD, 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	15	EA	421.68	6325.20	500.00	7500.00	480.00	7200.00	550.00	8250.00
18J	632	VEHICULAR SIGNAL HEAD, 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	3	EA	650.87	1952.61	775.00	2325.00	780.00	2340.00	850.00	2550.00
<b>Loops</b>												
19A	632	DETECTOR LOOP, 6'x6', AS PER PLAN	8	EA	987.60	7900.80	545.00	4360.00	800.00	6400.00	1000.00	8000.00
19B	632	DETECTOR LOOP, WITH POWERHEAD, 6'x20', AS PER PLAN	15	EA	1124.62	16869.30	945.00	14175.00	1065.00	15975.00	1200.00	18000.00

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<b>Signs</b>											
20A 630	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN	41	EA	256.51	10516.91	215.00	8815.00	265.00	10865.00	280.00	11480.00
20B 630	SIGN, FLAT SHEET, TYPE G	197.50	SF	23.63	4666.93	15.00	2962.50	15.00	2962.50	30.00	5925.00
<b>Other</b>											
21 625	GROUND ROD	45	EA	117.94	5307.30	165.00	7425.00	170.00	7650.00	120.00	5400.00
22 632	REMOVAL OF EXISTING TRAFFIC SIGNAL INSTALLATION	2	EA	4241.87	8483.74	6000.00	12000.00	3450.00	6900.00	3000.00	6000.00
23A K-609	CONCRETE ISLAND REMOVAL, AS PER PLAN	404	SF	3.32	1341.28	6.50	2626.00	3.24	1308.96	25.00	10100.00
23B K-609	CONCRETE ISLAND, NEW, AS PER PLAN	404	SF	9.95	4019.80	13.00	5252.00	11.19	4520.76	25.00	10100.00
23C K-609	REMOVE AND REPLACE CONCRETE FLATWORK, AS PER PLAN	425	SF	6.63	2817.75	12.00	5100.00	13.28	5644.00	25.00	10625.00
24A special	POT-HOLING (CONTINGENCY)	30	HR	217.62	6528.60	160.00	4800.00	250.00	7500.00	200.00	6000.00
24B special	WORK INVOLVING SOLID WASTE	2	CY	110.50	221.00	250.00	500.00	355.00	710.00	350.00	700.00
<b>Alternate Bid Items</b>											
25 625	LIGHT POLE, CONVENTIONAL, DAVIT ARM, AS PER PLAN (HAPCO) - ALTERNATE BID	31	EA	3272.88	101459.28	3510.00	108810.00	2568.00	79608.00	2650.00	82150.00