

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE	1. Central Allied Ent., Inc.		2. Perram Electric, Inc.		*3. Miller Cable Co.		
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	456	CURB RAMP, AS PER PLAN	18	EACH	\$900.00	\$16,200.00	\$2,100.00	\$37,800.00	\$750.00	\$13,500.00	\$2,550.00	\$45,900.00
2	690E65016	SPECIAL - WORK INVOLVING PETROLEUM CONTAMINATED SOIL	2.7	TON	\$58.92	\$159.08	\$225.00	\$607.50	\$100.00	\$270.00	\$280.00	\$756.00
3	630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST	29	FT	\$10.27	\$297.70	\$7.50	\$217.50	\$16.90	\$490.10	\$12.00	\$348.00
4	630E79100	SIGN HANGER ASSEMBLY, MAST ARM	39	EACH	\$220.94	\$8,616.49	\$325.00	\$12,675.00	\$385.00	\$15,015.00	\$520.00	\$20,280.00
5	630E79500	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	2	EACH	\$85.64	\$171.27	\$65.00	\$130.00	\$91.00	\$182.00	\$145.00	\$290.00
6	630E80100	SIGN, FLAT SHEET	117	SF	\$15.78	\$1,846.76	\$17.00	\$1,989.00	\$22.50	\$2,632.50	\$16.00	\$1,872.00
7	630E80511	SIGN, STREET NAME, AS PER PLAN	26	EACH	\$400.00	\$10,400.00	\$300.00	\$7,800.00	\$300.00	\$7,800.00	\$295.00	\$7,670.00
8	630E85100	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	1	EACH	\$60.00	\$60.00	\$100.00	\$100.00	\$140.00	\$140.00	\$45.00	\$45.00
9	631E93201	SCHOOL SPEED LIMIT SIGN ASSEMBLY, AS PER PLAN	2	EACH	\$6,500.00	\$13,000.00	\$4,250.00	\$8,500.00	\$1,175.00	\$2,350.00	\$2,650.00	\$5,300.00
10	644E00500	STOP LINE	459	FT	\$4.99	\$2,288.58	\$6.00	\$2,754.00	\$4.75	\$2,180.25	\$7.00	\$3,213.00
11	644E00600	CROSSWALK LINE	1655	FT	\$2.61	\$4,313.97	\$3.00	\$4,965.00	\$2.50	\$4,137.50	\$4.00	\$6,620.00
12	644E30000	REMOVAL OF PAVEMENT MARKING	2085	FT	\$1.89	\$3,950.80	\$4.00	\$8,340.00	\$2.65	\$5,525.25	\$5.50	\$11,467.50
13	625E00450	CONNECTION, FUSED PULL APART	6	EACH	\$67.20	\$403.18	\$65.00	\$390.00	\$105.00	\$630.00	\$85.00	\$510.00
14	625E00480	CONNECTION, UNFUSED PERMANENT	3	EACH	\$81.44	\$244.33	\$65.00	\$195.00	\$105.00	\$315.00	\$85.00	\$255.00
15	625E18000	BRACKET ARM, 10'	6	EACH	\$450.00	\$2,700.00	\$465.00	\$2,790.00	\$395.00	\$2,370.00	\$400.00	\$2,400.00
16	625E23304	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	1920	FT	\$1.28	\$2,464.17	\$1.00	\$1,920.00	\$1.35	\$2,592.00	\$1.60	\$3,072.00
17	625E23400	NO. 10 AWG POLE AND BRACKET CABLE	815	FT	\$0.93	\$757.40	\$0.75	\$611.25	\$0.70	\$570.50	\$1.20	\$978.00
18	625E25402	CONDUIT, 2", 725.05	460	FT	\$3.65	\$1,680.09	\$1.75	\$805.00	\$4.75	\$2,185.00	\$7.50	\$3,450.00
19	625E25502	CONDUIT, 3", 725.05	1105	FT	\$3.78	\$4,180.40	\$2.00	\$2,210.00	\$7.50	\$8,287.50	\$10.00	\$11,050.00
20	625E25802	CONDUIT, CONCRETE ENCASED, 3"	2195	FT	\$22.00	\$48,290.00	\$8.50	\$18,657.50	\$9.55	\$20,962.25	\$15.00	\$32,925.00
21	625E25910	CONDUIT CLEANED AND CABLES REMOVED	202	FT	\$0.60	\$121.37	\$2.00	\$404.00	\$0.70	\$141.40	\$0.80	\$161.60
22	625E26253	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN	6	EACH	\$800.00	\$4,800.00	\$700.00	\$4,200.00	\$585.00	\$3,510.00	\$700.00	\$4,200.00
23	625E29000	TRENCH	425	FT	\$4.92	\$2,090.16	\$5.00	\$2,125.00	\$11.00	\$4,675.00	\$10.00	\$4,250.00
24	625E29500	TRENCH IN PAVED AREA, TYPE A	860	FT	\$21.93	\$18,856.50	\$35.00	\$30,100.00	\$55.00	\$47,300.00	\$24.00	\$20,640.00
25	625E29600	TRENCH IN PAVED AREA, TYPE B	1031	FT	\$29.13	\$30,037.21	\$29.00	\$29,899.00	\$110.00	\$113,410.00	\$35.00	\$36,085.00
26	625E31451	PULL BOX, AS PER PLAN	5	EACH	\$600.00	\$3,000.00	\$685.00	\$3,425.00	\$845.00	\$4,225.00	\$875.00	\$4,375.00
27	625E31600	PULL BOX, MISC.: POLYMER CONCRETE, 18" X 24" X 24"	9	EACH	\$600.00	\$5,400.00	\$500.00	\$4,500.00	\$745.00	\$6,705.00	\$750.00	\$6,750.00
28	625E31600	PULL BOX, MISC.: POLYMER CONCRETE, 24" X 36" X 24"	23	EACH	\$800.00	\$18,400.00	\$675.00	\$15,525.00	\$1,010.00	\$23,230.00	\$1,200.00	\$27,600.00
29	625E31600	PULL BOX, MISC.: POLYMER CONCRETE, 30" X 48" X 24"	19	EACH	\$1,100.00	\$20,900.00	\$900.00	\$17,100.00	\$1,135.00	\$21,565.00	\$1,600.00	\$30,400.00
30	625E32000	GROUND ROD	41	EACH	\$150.00	\$6,150.00	\$250.00	\$10,250.00	\$165.00	\$6,765.00	\$235.00	\$9,635.00
31	625E39520	PULL BOX CLEANED	1	EACH	\$80.46	\$80.46	\$50.00	\$50.00	\$71.00	\$71.00	\$55.00	\$55.00
32	632E04913	VEHICULAR SIGNAL HEAD, (LED) YELLOW, 3-SECTION, 12" LENS, 1-WAY, WITH B.	36	EACH	\$700.00	\$25,200.00	\$650.00	\$23,400.00	\$580.00	\$20,880.00	\$1,000.00	\$36,000.00
33	632E04923	VEHICULAR SIGNAL HEAD, (LED) YELLOW, 5-SECTION, 12" LENS, 1-WAY, WITH B.	13	EACH	\$1,200.00	\$15,600.00	\$250.00	\$3,250.00	\$970.00	\$12,610.00	\$1,500.00	\$19,500.00
34	632E20731	PEDESTRIAN SIGNAL HEAD (LED), (COUNTDOWN), TYPE D2, AS PER PLAN	40	EACH	\$550.00	\$22,000.00	\$500.00	\$20,000.00	\$365.00	\$14,600.00	\$600.00	\$24,000.00
35	632E25001	COVERING OF VEHICULAR SIGNAL HEAD, AS PER PLAN	49	EACH	\$30.00	\$1,470.00	\$20.00	\$980.00	\$5.00	\$245.00	\$60.00	\$2,940.00
36	632E25011	COVERING OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN	40	EACH	\$30.00	\$1,200.00	\$20.00	\$800.00	\$5.00	\$200.00	\$45.00	\$1,800.00
37	632E26001	PEDESTRIAN PUSHBUTTON, AS PER PLAN	22	EACH	\$300.00	\$6,600.00	\$200.00	\$4,400.00	\$215.00	\$4,730.00	\$200.00	\$4,400.00
38	632E40500	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	2850	FT	\$1.95	\$5,557.50	\$1.70	\$4,845.00	\$1.50	\$4,275.00	\$2.15	\$6,127.50
39	632E40700	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	10900	FT	\$2.20	\$23,980.00	\$1.80	\$19,620.00	\$1.60	\$17,440.00	\$2.35	\$25,615.00
40	632E64011	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	17	EACH	\$2,400.00	\$40,800.00	\$2,100.00	\$35,700.00	\$3,485.00	\$59,245.00	\$3,550.00	\$60,350.00
41	632E64020	PEDESTAL FOUNDATION	12	EACH	\$527.71	\$6,332.53	\$850.00	\$10,200.00	\$665.00	\$7,980.00	\$600.00	\$7,200.00
42	632E68200	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	640	FT	\$2.46	\$1,574.50	\$1.05	\$672.00	\$2.65	\$1,696.00	\$3.00	\$1,920.00
43	632E70001	POWER SERVICE, AS PER PLAN	5	EACH	\$2,700.00	\$13,500.00	\$1,600.00	\$8,000.00	\$1,505.00	\$7,525.00	\$2,100.00	\$10,500.00
44	632E70400	CONDUIT RISER, 2" DIAMETER	6	EACH	\$265.89	\$1,595.34	\$200.00	\$1,200.00	\$470.00	\$2,820.00	\$400.00	\$2,400.00
45	632E70600	CONDUIT RISER, 3" DIAMETER	16	EACH	\$570.00	\$9,120.00	\$250.00	\$4,000.00	\$570.00	\$9,120.00	\$550.00	\$8,800.00
46	632E75062	SIGNAL SUPPORT, TYPE TC-81.21 DESIGN 11 POLE, WITH MAST ARMS TC-81.21 I	1	EACH	\$10,200.00	\$10,200.00	\$7,000.00	\$7,000.00	\$6,480.00	\$6,480.00	\$7,300.00	\$7,300.00
47	632E77092	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21 DESIGN 12 POLE, WITH MAST A	1	EACH	\$11,000.00	\$11,000.00	\$8,250.00	\$8,250.00	\$7,355.00	\$7,355.00	\$7,800.00	\$7,800.00
48	632E80302	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 3	10	EACH	\$3,933.84	\$39,338.45	\$4,200.00	\$42,000.00	\$3,935.00	\$39,350.00	\$3,600.00	\$36,000.00
49	632E80502	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 11	1	EACH	\$6,411.08	\$6,411.08	\$6,000.00	\$6,000.00	\$5,585.00	\$5,585.00	\$6,200.00	\$6,200.00
50	632E80602	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 12	2	EACH	\$7,310.00	\$14,620.00	\$6,800.00	\$13,600.00	\$6,225.00	\$12,450.00	\$7,100.00	\$14,200.00
51	632E80990	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 3	2	EACH	\$5,600.00	\$11,200.00	\$4,000.00	\$8,000.00	\$3,965.00	\$7,930.00	\$3,800.00	\$7,600.00

BID TAB FOR: SUM-BRITAIN ROAD (PID NO. 93432)

FILE NO. 2014-022-00

BID DATE: March 22, 2016

CODE: 4060-B14007

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	1. Central Allied Ent., Inc.		2. Perram Electric, Inc.		*3. Miller Cable Co.		
						AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	
52	632E81070	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 11	1	EACH	\$9,600.00	\$9,600.00	\$6,350.00	\$6,350.00	\$5,845.00	\$5,845.00	\$6,200.00	\$6,200.00
53	632E81080	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 12	1	EACH	\$9,800.00	\$9,800.00	\$7,500.00	\$7,500.00	\$6,715.00	\$6,715.00	\$7,400.00	\$7,400.00
54	632E90000	PEDESTAL, 11', TRANSFORMER BASE	12	EACH	\$734.83	\$8,817.99	\$500.00	\$6,000.00	\$700.00	\$8,400.00	\$450.00	\$5,400.00
55	632E90010	PEDESTAL, MISC.: DISCONNECT SWITCH PEDESTAL	1	EACH	\$3,800.00	\$3,800.00	\$7,500.00	\$7,500.00	\$3,645.00	\$3,645.00	\$560.00	\$560.00
56	632E90101	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	5	EACH	\$1,200.00	\$6,000.00	\$1,900.00	\$9,500.00	\$1,200.00	\$6,000.00	\$1,650.00	\$8,250.00
57	632E90400	SIGNALIZATION, MISC.: TEMPORARY SIGNAL	1	EACH	\$3,000.00	\$3,000.00	\$6,500.00	\$6,500.00	\$335.00	\$335.00	\$7,900.00	\$7,900.00
58	633E01551	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS2, AS PER PLAN	5	EACH	\$12,000.00	\$60,000.00	\$13,000.00	\$65,000.00	\$11,025.00	\$55,125.00	\$13,000.00	\$65,000.00
59	633E67000	CABINET RISER	5	EACH	\$359.28	\$1,796.39	\$650.00	\$3,250.00	\$475.00	\$2,375.00	\$600.00	\$3,000.00
60	633E67101	CABINET FOUNDATION, AS PER PLAN	5	EACH	\$2,000.00	\$10,000.00	\$1,700.00	\$8,500.00	\$1,925.00	\$9,625.00	\$2,550.00	\$12,750.00
61	633E67200	CONTROLLER WORK PAD	1	EACH	\$283.30	\$283.30	\$450.00	\$450.00	\$100.00	\$100.00	\$250.00	\$250.00
62	633E67301	PREEMPTION, AS PER PLAN	5	EACH	\$5,000.00	\$25,000.00	\$6,000.00	\$30,000.00	\$6,465.00	\$32,325.00	\$7,650.00	\$38,250.00
63	633E75001	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	5	EACH	\$3,600.00	\$18,000.00	\$4,000.00	\$20,000.00	\$3,325.00	\$16,625.00	\$3,750.00	\$18,750.00
64	816E30001	VIDEO DETECTION SYSTEM, AS PER PLAN	22	EACH	\$5,000.00	\$110,000.00	\$4,700.00	\$103,400.00	\$4,355.00	\$95,810.00	\$5,200.00	\$114,400.00
65	632E29900	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES	8050	FT	\$3.50	\$28,175.00	\$6.10	\$49,105.00	\$1.70	\$13,685.00	\$3.00	\$24,150.00
66	632E62810	INTERCONNECT CABLE, MISC.: TRUNK CABLE, 48 FIBER, LOOSE TUBE, SINGLE M	11100	FT	\$4.00	\$44,400.00	\$6.30	\$69,930.00	\$2.35	\$26,085.00	\$3.00	\$33,300.00
67	632E62820	INTERCONNECT, MISC.: SLACK INSTALLATION	17	EACH	\$300.00	\$5,100.00	\$1,100.00	\$18,700.00	\$330.00	\$5,610.00	\$400.00	\$6,800.00
68	633E99000	CONTROLLER ITEM, MISC.: FIBER OPTIC THERNET TRANSCEIVER, AS PER PLAN	10	EACH	\$250.00	\$2,500.00	\$550.00	\$5,500.00	\$115.00	\$1,150.00	\$250.00	\$2,500.00
69	633E99000	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	5	EACH	\$2,450.00	\$12,250.00	\$3,500.00	\$17,500.00	\$1,165.00	\$5,825.00	\$1,450.00	\$7,250.00
70	804E30000	FAN-OUT KIT, 6 FIBER	5	EACH	\$101.89	\$509.43	\$215.00	\$1,075.00	\$1.00	\$5.00	\$170.00	\$850.00
71	804E32020	DROP CABLE, 6 FIBER	575	FT	\$5.00	\$2,875.00	\$10.00	\$5,750.00	\$1.60	\$920.00	\$3.00	\$1,725.00
72	804E33000	FIBER OPTIC PATCH CORD, 4 FIBER	10	EACH	\$80.84	\$808.44	\$80.00	\$800.00	\$25.00	\$250.00	\$110.00	\$1,100.00
73	804E34000	TERMINATION PANEL, 6 FIBER	5	EACH	\$189.53	\$947.66	\$2,500.00	\$12,500.00	\$775.00	\$3,875.00	\$1,200.00	\$6,000.00
74	804E37001	SPLICE ENCLOSURE, AS PER PLAN	6	EACH	\$780.00	\$4,680.00	\$2,250.00	\$13,500.00	\$965.00	\$5,790.00	\$1,675.00	\$10,050.00
75	804E37500	FIBER OPTIC CONNECTOR	1	EACH	\$50.00	\$50.00	\$250.00	\$250.00	\$1.00	\$1.00	\$2,400.00	\$2,400.00
76	804E37700	FIBER OPTIC CABLE TESTING	1	LS	\$1,200.00	\$1,200.00	\$6,250.00	\$6,250.00	\$2,645.00	\$2,645.00	\$1,725.00	\$1,725.00
77	623E10000	CONSTRUCTION LAYOUT STAKES AND SURVEYING (3%)	1	LS	\$32,800.00	\$32,800.00	\$15,000.00	\$15,000.00	\$200.00	\$200.00	\$16,000.00	\$16,000.00
78	624E10000	MOBILIZATION	0.25	LS	\$150,000.00	\$37,500.00	\$100,000.00	\$25,000.00	\$200,000.00	\$50,000.00	\$15,000.00	\$15,000.00
79	619E99000	FIELD OFFICE, TYPE A	0.25	LS	\$10,000.00	\$2,500.00	\$25,000.00	\$6,250.00	\$14,000.00	\$3,500.00	\$6,500.00	\$6,500.00
80	103.05	CONTRACT PERFORMANCE BOND	0.25	LS	\$116,900.00	\$29,225.00	\$80,000.00	\$20,000.00	\$65,730.00	\$16,432.50	\$10,000.00	\$10,000.00
<b>SUBSTITUTION ALTERNATE 1 - PREEMPTION, AS PER PLAN</b>												
ALT #1	633	ODOT Item 633E67301 PREEMPTION, AS PER PLAN (Replaces Base Bid Reference #62)	5	EACH	\$5,000.00	\$25,000.00	\$6,450.00	\$32,250.00	\$7,900.00	\$39,500.00	\$7,750.00	\$38,750.00
<b>SUBSTITUTION ALTERNATE 2 - VIDEO DETECTION SYSTEM AUTOSCOPE, AS PER PLAN</b>												
ALT #2	816	ODOT Item 816E30001 VIDEO DETECTION SYSTEM, AS PER PLAN (Replaces Base Bid Reference #64)	22	EACH	\$5,000.00	\$110,000.00	\$5,600.00	\$123,200.00	\$5,035.00	\$110,770.00	\$5,690.00	\$125,180.00
<b>SUBSTITUTION ALTERNATE 3 - VIDEO DETECTION SYSTEM FLIR, AS PER PLAN</b>												
ALT #3	816	ODOT Item 816E30001 VIDEO DETECTION SYSTEM, AS PER PLAN (Replaces Base Bid Reference #64)	22	EACH	\$5,000.00	\$110,000.00	\$4,650.00	\$102,300.00	\$4,450.00	\$97,900.00	\$5,450.00	\$119,900.00
TOTAL CONSTRUCTION COSTS						\$970,777.54		\$994,011.75		\$945,146.75		\$1,026,665.60
+/- ENGINEER'S ESTIMATE								+2.4%		-2.6%		+5.8%

BID TAB FOR: SUM-BRITAIN ROAD (PID NO. 93432)

FILE NO. 2014-022-00

BID DATE: March 22, 2016

CODE: 4060-B14007

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	AMOUNT	1. Central Allied Ent., Inc. PRICE	AMOUNT	2. Perram Electric, Inc. PRICE	AMOUNT	*3. Miller Cable Co. PRICE	AMOUNT
					<b><u>ALTERNATE #1</u></b>							
TOTAL CONSTRUCTION COSTS						\$25,000.00		\$32,250.00		\$39,500.00		\$38,750.00
+/- ENGINEER'S ESTIMATE								+29.0%		+58.0%		+55.0%
					<b><u>ALTERNATE #2</u></b>							
TOTAL CONSTRUCTION COSTS						\$110,000.00		\$123,200.00		\$110,770.00		\$125,180.00
+/- ENGINEER'S ESTIMATE								+12.0%		+0.7%		+13.8%
					<b><u>ALTERNATE #3</u></b>							
TOTAL CONSTRUCTION COSTS						\$110,000.00		\$102,300.00		\$97,900.00		\$119,900.00
+/- ENGINEER'S ESTIMATE								-7.0%		-11.0%		+9.0%

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1.Central Allied Ent., Inc.		2.Perram Electric, Inc.		3. Miller Cable Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	456	6" CONCRETE WALK	5083	SF	\$4.90	\$24,906.70	\$7.50	\$38,122.50	\$6.50	\$33,039.50	\$7.50	\$38,122.50
2	456	CURB RAMP, AS PER PLAN	18	EACH	\$900.00	\$16,200.00	\$2,100.00	\$37,800.00	\$750.00	\$13,500.00	\$2,550.00	\$45,900.00
3	455	CURB, 6" x 18"	500	FT	\$28.00	\$14,000.00	\$32.50	\$16,250.00	\$28.00	\$14,000.00	\$42.00	\$21,000.00
4	690E65016	SPECIAL - WORK INVOLVING PETROLEUM CONTAMINATED SOIL	24.7	TON	\$58.92	\$1,455.32	\$225.00	\$5,557.50	\$100.00	\$2,470.00	\$280.00	\$6,916.00
5	630E79100	SIGN HANGER ASSEMBLY, MAST ARM	34	EACH	\$220.94	\$7,511.81	\$325.00	\$11,050.00	\$480.00	\$16,320.00	\$520.00	\$17,680.00
6	630E80100	SIGN, FLAT SHEET	39	SF	\$18.45	\$719.68	\$18.00	\$702.00	\$22.50	\$877.50	\$16.00	\$624.00
7	630E80511	SIGN, STREET NAME, AS PER PLAN	32	EACH	\$400.00	\$12,800.00	\$325.00	\$10,400.00	\$300.00	\$9,600.00	\$295.00	\$9,440.00
8	630E87100	REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTION	8	EACH	\$60.00	\$480.00	\$100.00	\$800.00	\$285.00	\$2,280.00	\$212.00	\$1,696.00
9	644E00300	CENTER LINE	0.04	MILE	\$7,042.45	\$281.70	\$7,500.00	\$300.00	\$15,000.00	\$600.00	\$14,000.00	\$560.00
10	644E00500	STOP LINE	940	FT	\$4.31	\$4,051.27	\$6.00	\$5,640.00	\$4.75	\$4,465.00	\$7.00	\$6,580.00
11	644E00600	CROSSWALK LINE	3636	FT	\$2.41	\$8,757.23	\$3.00	\$10,908.00	\$2.50	\$9,090.00	\$4.00	\$14,544.00
12	644E30000	REMOVAL OF PAVEMENT MARKING	4577	FT	\$1.34	\$6,154.87	\$4.00	\$18,308.00	\$2.65	\$12,129.05	\$5.50	\$25,173.50
13	625E00450	CONNECTION, FUSED PULL APART	4	EACH	\$68.22	\$272.90	\$70.00	\$280.00	\$105.00	\$420.00	\$85.00	\$340.00
14	625E00480	CONNECTION, UNFUSED PERMANENT	1	EACH	\$81.50	\$81.50	\$70.00	\$70.00	\$105.00	\$105.00	\$85.00	\$85.00
15	625E18000	BRACKET ARM, 10'	2	EACH	\$450.00	\$900.00	\$325.00	\$650.00	\$400.00	\$800.00	\$400.00	\$800.00
16	625E23304	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	2670	FT	\$1.24	\$3,309.60	\$1.00	\$2,670.00	\$1.40	\$3,738.00	\$1.60	\$4,272.00
17	625E23400	NO. 10 AWG POLE AND BRACKET CABLE	1935	FT	\$0.88	\$1,707.64	\$0.65	\$1,257.75	\$0.65	\$1,257.75	\$1.20	\$2,322.00
18	625E25402	CONDUIT, 2", 725.05	1123	FT	\$3.03	\$3,403.25	\$1.75	\$1,965.25	\$4.75	\$5,334.25	\$7.50	\$8,422.50
19	625E25502	CONDUIT, 3", 725.05	5285	FT	\$3.00	\$15,855.00	\$2.00	\$10,570.00	\$7.45	\$39,373.25	\$10.00	\$52,850.00
20	625E25802	CONDUIT, CONCRETE ENCASED, 2"	385	FT	\$20.00	\$7,700.00	\$9.50	\$3,657.50	\$7.65	\$2,945.25	\$12.50	\$4,812.50
21	625E25802	CONDUIT, CONCRETE ENCASED, 3"	2703	FT	\$22.00	\$59,466.00	\$9.00	\$24,327.00	\$9.55	\$25,813.65	\$15.00	\$40,545.00
22	625E25910	CONDUIT CLEANED AND CABLES REMOVED	1290	FT	\$0.60	\$775.07	\$3.50	\$4,515.00	\$0.70	\$903.00	\$0.50	\$645.00
23	625E26253	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN	4	EACH	\$800.00	\$3,200.00	\$750.00	\$3,000.00	\$585.00	\$2,340.00	\$700.00	\$2,800.00
24	625E29000	TRENCH	1565	FT	\$4.92	\$7,696.72	\$4.50	\$7,042.50	\$10.90	\$17,058.50	\$10.00	\$15,650.00
25	625E29401	TRENCH IN PAVED AREAS, AS PER PLAN	150	FT	\$60.00	\$9,000.00	\$40.00	\$6,000.00	\$109.00	\$16,350.00	\$50.00	\$7,500.00
26	625E29500	TRENCH IN PAVED AREA, TYPE A	1445	FT	\$21.93	\$31,683.30	\$40.00	\$57,800.00	\$54.90	\$79,330.50	\$24.00	\$34,680.00
27	625E29600	TRENCH IN PAVED AREA, TYPE B	1400	FT	\$29.13	\$40,787.67	\$30.00	\$42,000.00	\$110.00	\$154,000.00	\$35.00	\$49,000.00
28	625E31451	PULL BOX, AS PER PLAN	6	EACH	\$600.00	\$3,600.00	\$700.00	\$4,200.00	\$845.00	\$5,070.00	\$875.00	\$5,250.00
29	625E31600	PULL BOX, MISC.: POLYMER CONCRETE, 18" X 24" X 24"	12	EACH	\$600.00	\$7,200.00	\$500.00	\$6,000.00	\$750.00	\$9,000.00	\$750.00	\$9,000.00
30	625E31600	PULL BOX, MISC.: POLYMER CONCRETE, 24" X 36" X 24"	41	EACH	\$800.00	\$32,800.00	\$700.00	\$28,700.00	\$1,010.00	\$41,410.00	\$1,200.00	\$49,200.00
31	625E31600	PULL BOX, MISC.: POLYMER CONCRETE, 30" X 48" X 24"	36	EACH	\$1,100.00	\$39,600.00	\$900.00	\$32,400.00	\$1,125.00	\$40,500.00	\$1,600.00	\$57,600.00
32	625E32000	GROUND ROD	115	EACH	\$130.00	\$14,950.00	\$200.00	\$23,000.00	\$163.00	\$18,745.00	\$235.00	\$27,025.00
33	625E39520	PULL BOX CLEANED	5	EACH	\$80.46	\$402.30	\$100.00	\$500.00	\$71.00	\$355.00	\$55.00	\$275.00
34	632E04913	VEHICULAR SIGNAL HEAD, (LED) YELLOW, 3-SECTION, 12" LENS, 1-WAY, WIT	68	EACH	\$700.00	\$47,600.00	\$600.00	\$40,800.00	\$580.00	\$39,440.00	\$1,000.00	\$68,000.00
35	632E04923	VEHICULAR SIGNAL HEAD, (LED) YELLOW, 5-SECTION, 12" LENS, 1-WAY, WIT	10	EACH	\$1,200.00	\$12,000.00	\$1,250.00	\$12,500.00	\$970.00	\$9,700.00	\$1,500.00	\$15,000.00
36	632E20731	PEDESTRIAN SIGNAL HEAD (LED) , (COUNTDOWN), TYPE D2, AS PER PLAN	61	EACH	\$550.00	\$33,550.00	\$550.00	\$33,550.00	\$365.00	\$22,265.00	\$600.00	\$36,600.00
37	632E25001	COVERING OF VEHICULAR SIGNAL HEAD, AS PER PLAN	78	EACH	\$30.00	\$2,340.00	\$20.00	\$1,560.00	\$5.00	\$390.00	\$60.00	\$4,680.00
38	632E25011	COVERING OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN	61	EACH	\$30.00	\$1,830.00	\$20.00	\$1,220.00	\$5.00	\$305.00	\$45.00	\$2,745.00
39	632E26001	PEDESTRIAN PUSHBUTTON, AS PER PLAN	26	EACH	\$300.00	\$7,800.00	\$200.00	\$5,200.00	\$195.00	\$5,070.00	\$200.00	\$5,200.00
40	632E40500	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	4610	FT	\$1.95	\$8,989.50	\$2.00	\$9,220.00	\$1.50	\$6,915.00	\$2.15	\$9,911.50
41	632E40700	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	13495	FT	\$2.20	\$29,689.00	\$1.75	\$23,616.25	\$1.60	\$21,592.00	\$2.35	\$31,713.25
42	632E64011	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	23	EACH	\$2,400.00	\$55,200.00	\$2,100.00	\$48,300.00	\$3,595.00	\$82,685.00	\$3,550.00	\$81,650.00
43	632E64020	PEDESTAL FOUNDATION	22	EACH	\$516.23	\$11,357.10	\$850.00	\$18,700.00	\$665.00	\$14,630.00	\$600.00	\$13,200.00
44	632E68200	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	1850	FT	\$2.30	\$4,255.00	\$1.50	\$2,775.00	\$2.70	\$4,995.00	\$3.00	\$5,550.00
45	632E70001	POWER SERVICE, AS PER PLAN	10	EACH	\$2,950.00	\$29,500.00	\$1,900.00	\$19,000.00	\$1,555.00	\$15,550.00	\$2,100.00	\$21,000.00
46	632E70400	CONDUIT RISER, 2" DIAMETER	9	EACH	\$257.79	\$2,320.11	\$225.00	\$2,025.00	\$470.00	\$4,230.00	\$400.00	\$3,600.00
47	632E70600	CONDUIT RISER, 3" DIAMETER	31	EACH	\$570.00	\$17,670.00	\$250.00	\$7,750.00	\$570.00	\$17,670.00	\$550.00	\$17,050.00
48	632E75012	SIGNAL SUPPORT, TYPE TC-81.21 DESIGN 3 POLE, WITH MAST ARMS TC-81.2	1	EACH	\$7,000.00	\$7,000.00	\$5,100.00	\$5,100.00	\$5,230.00	\$5,230.00	\$5,500.00	\$5,500.00
49	632E75067	SIGNAL SUPPORT, TYPE TC-81.21 DESIGN 11 POLE, WITH MAST ARMS TC-81.	1	EACH	\$7,500.00	\$7,500.00	\$7,000.00	\$7,000.00	\$6,480.00	\$6,480.00	\$7,100.00	\$7,100.00
50	632E75142	SIGNAL SUPPORT, TYPE TC-12.30 DESIGN 5 POLE, WITH MAST ARMS TC-81.2	2	EACH	\$8,500.00	\$17,000.00	\$8,750.00	\$17,500.00	\$8,010.00	\$16,020.00	\$10,000.00	\$20,000.00
51	632E80302	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 3	20	EACH	\$4,000.00	\$80,000.00	\$3,800.00	\$76,000.00	\$3,690.00	\$73,800.00	\$3,700.00	\$74,000.00
52	632E80502	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 11	3	EACH	\$6,411.08	\$19,233.24	\$6,000.00	\$18,000.00	\$5,585.00	\$16,755.00	\$6,200.00	\$18,600.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Central Allied Ent., Inc.		2. Perram Electric, Inc.		3. Miller Cable Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
53	632E80990	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 3	3	EACH	\$5,600.00	\$16,800.00	\$4,200.00	\$12,600.00	\$3,715.00	\$11,145.00	\$3,800.00	\$11,400.00
54	632E90000	PEDESTAL, 11', TRANSFORMER BASE	22	EACH	\$735.00	\$16,170.00	\$500.00	\$11,000.00	\$735.00	\$16,170.00	\$450.00	\$9,900.00
55	632E90101	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	10	EACH	\$1,200.00	\$12,000.00	\$2,000.00	\$20,000.00	\$1,030.00	\$10,300.00	\$1,600.00	\$16,000.00
56	632E90104	REUSE OF TRAFFIC CONTROL ITEM	1	EACH	\$800.00	\$800.00	\$1,000.00	\$1,000.00	\$425.00	\$425.00	\$4,800.00	\$4,800.00
57	632E90400	SIGNALIZATION, MISC.: TEMPORARY SIGNAL	3	EACH	\$6,000.00	\$18,000.00	\$7,250.00	\$21,750.00	\$6,080.00	\$18,240.00	\$19,500.00	\$58,500.00
58	633E01541	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN	1	EACH	\$3,500.00	\$3,500.00	\$4,000.00	\$4,000.00	\$3,175.00	\$3,175.00	\$1,600.00	\$1,600.00
59	633E01551	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS2, AS PER PLAN	9	EACH	\$12,000.00	\$108,000.00	\$13,000.00	\$117,000.00	\$11,025.00	\$99,225.00	\$13,000.00	\$117,000.00
60	633E67000	CABINET RISER	9	EACH	\$345.76	\$3,111.85	\$600.00	\$5,400.00	\$475.00	\$4,275.00	\$600.00	\$5,400.00
61	633E67101	CABINET FOUNDATION, AS PER PLAN	9	EACH	\$2,000.00	\$18,000.00	\$1,250.00	\$11,250.00	\$1,925.00	\$17,325.00	\$2,550.00	\$22,950.00
62	633E67200	CONTROLLER WORK PAD	5	EACH	\$229.66	\$1,148.32	\$350.00	\$1,750.00	\$100.00	\$500.00	\$250.00	\$1,250.00
63	633E67301	PREEMPTION, AS PER PLAN	10	EACH	\$5,000.00	\$50,000.00	\$5,250.00	\$52,500.00	\$5,475.00	\$54,750.00	\$6,000.00	\$60,000.00
64	633E75001	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	10	EACH	\$3,600.00	\$36,000.00	\$4,000.00	\$40,000.00	\$3,405.00	\$34,050.00	\$3,750.00	\$37,500.00
65	816E30001	VIDEO DETECTION SYSTEM, AS PER PLAN	39	EACH	\$5,000.00	\$195,000.00	\$5,000.00	\$195,000.00	\$4,435.00	\$172,965.00	\$5,300.00	\$206,700.00
66	632E29900	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES	13283	FT	\$3.50	\$46,490.50	\$6.10	\$81,026.30	\$1.70	\$22,581.10	\$3.00	\$39,849.00
67	632E62810	INTERCONNECT CABLE, MISC.: TRUNK CABLE, 48 FIBER, LOOSE TUBE, SINGI	20915	FT	\$4.00	\$83,660.00	\$6.30	\$131,764.50	\$2.35	\$49,150.25	\$3.00	\$62,745.00
68	632E62820	INTERCONNECT, MISC.: SLACK INSTALLATION	33	EACH	\$300.00	\$9,900.00	\$1,050.00	\$34,650.00	\$330.00	\$10,890.00	\$400.00	\$13,200.00
69	633E99000	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, AS PER I	20	EACH	\$250.00	\$5,000.00	\$510.00	\$10,200.00	\$115.00	\$2,300.00	\$250.00	\$5,000.00
70	633E99000	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	10	EACH	\$2,450.00	\$24,500.00	\$3,200.00	\$32,000.00	\$1,165.00	\$11,650.00	\$1,450.00	\$14,500.00
71	804E30000	FAN-OUT KIT, 6 FIBER	10	EACH	\$101.89	\$1,018.85	\$210.00	\$2,100.00	\$1.00	\$10.00	\$170.00	\$1,700.00
72	804E32020	DROP CABLE, 6 FIBER	720	FT	\$5.00	\$3,600.00	\$9.00	\$6,480.00	\$2.40	\$1,728.00	\$3.00	\$2,160.00
73	804E33000	FIBER OPTIC PATCH CORD, 4 FIBER	20	EACH	\$80.84	\$1,616.87	\$80.00	\$1,600.00	\$25.00	\$500.00	\$110.00	\$2,200.00
74	804E34000	TERMINATION PANEL, 6 FIBER	10	EACH	\$189.53	\$1,895.33	\$2,250.00	\$22,500.00	\$775.00	\$7,750.00	\$1,200.00	\$12,000.00
75	804E35010	FIBER OPTIC FUSION SPLICER	1	EACH	\$9,000.00	\$9,000.00	\$38,000.00	\$38,000.00	\$5,000.00	\$5,000.00	\$20,000.00	\$20,000.00
76	804E37001	SPLICE ENCLOSURE, AS PER PLAN	12	EACH	\$780.00	\$9,360.00	\$900.00	\$10,800.00	\$1,175.00	\$14,100.00	\$1,675.00	\$20,100.00
77	804E37700	FIBER OPTIC CABLE TESTING	1	LS	\$1,200.00	\$1,200.00	\$6,000.00	\$6,000.00	\$4,545.00	\$4,545.00	\$6,400.00	\$6,400.00
78	614E26200	WORK ZONE STOP LINE, CLASS I, 642 PAINT	133	FT	\$3.13	\$415.88	\$5.00	\$665.00	\$5.00	\$665.00	\$50.00	\$6,650.00
79	614E11000	MAINTAINING TRAFFIC (5%)	1	LS	\$249,150.00	\$249,150.00	\$5,000.00	\$5,000.00	\$244,615.00	\$244,615.00	\$75,844.00	\$75,844.00
80	614E11110	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	300	HOUR	\$59.97	\$17,991.61	\$40.00	\$12,000.00	\$70.00	\$21,000.00	\$60.00	\$18,000.00
81	623E10000	CONSTRUCTION LAYOUT STAKES AND SURVEYING (3%)	1	LS	\$53,100.00	\$53,100.00	\$18,000.00	\$18,000.00	\$300.00	\$300.00	\$16,000.00	\$16,000.00
82	624E10000	MOBILIZATION	0.25	LS	\$150,000.00	\$37,500.00	\$100,000.00	\$25,000.00	\$200,000.00	\$50,000.00	\$60,000.00	\$15,000.00
83	619E99000	FIELD OFFICE, TYPE A	0.25	LS	\$10,000.00	\$2,500.00	\$25,000.00	\$6,250.00	\$14,000.00	\$3,500.00	\$26,000.00	\$6,500.00
84	103.05	CONTRACT PERFORMANCE BOND	0.25	LS	\$116,900.00	\$29,225.00	\$80,000.00	\$20,000.00	\$65,730.00	\$16,432.50	\$40,000.00	\$10,000.00
54	633	<b>SUBSTITUTION ALTERNATE 1 - PREEMPTION, AS PER PLAN</b> ODOT Item 633E67301 PREEMPTION, AS PER PLAN (Replaces Base Bid Reference #64)	10	EACH	\$5,000.00	\$50,000.00	\$5,000.00	\$50,000.00	\$6,420.00	\$64,200.00	\$6,100.00	\$61,000.00
55	816	<b>SUBSTITUTION ALTERNATE 2 - VIDEO DETECTION SYSTEM AUTOSCOPE, AS PER PLAN</b> ODOT Item 816E30001 VIDEO DETECTION SYSTEM, AS PER PLAN (Replaces Base Bid Reference #66)	39	EACH	\$5,000.00	\$195,000.00	\$5,500.00	\$214,500.00	\$5,070.00	\$197,730.00	\$5,790.00	\$225,810.00
56	816	<b>SUBSTITUTION ALTERNATE 3 - VIDEO DETECTION SYSTEM FLIR, AS PER PLAN</b> ODOT Item 816E30001 VIDEO DETECTION SYSTEM, AS PER PLAN (Replaces Base Bid Reference #63)	39	EACH	\$5,000.00	\$195,000.00	\$4,650.00	\$181,350.00	\$4,435.00	\$172,965.00	\$5,625.00	\$219,375.00
TOTAL CONSTRUCTION COSTS						\$1,842,197.68		\$1,723,545.05		\$1,856,204.05		\$1,903,257.75
+/- ENGINEER'S ESTIMATE								-6.4%		+0.8%		+3.3%

BID TAB FOR: COPLEY ROAD - PID 88968

FILE NO. 2014-022-00

BID DATE: March 23, 2016

CODE: 4060-B14007

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	AMOUNT	1. Central Allied Ent., Inc. PRICE	AMOUNT	2. Perram Electric, Inc. PRICE	AMOUNT	3. Miller Cable Co. AMOUNT	
					<b>ALTERNATE #1</b>							
TOTAL CONSTRUCTION COSTS						\$50,000.00		\$50,000.00		\$64,200.00	\$61,000.00	
+/- ENGINEER'S ESTIMATE								+0.0%		+28.4%	+22.0%	
					<b>ALTERNATE #2</b>							
TOTAL CONSTRUCTION COSTS						\$195,000.00		\$214,500.00		\$197,730.00	\$225,810.00	
+/- ENGINEER'S ESTIMATE								+10.0%		+1.4%	+15.8%	
					<b>ALTERNATE #3</b>							
TOTAL CONSTRUCTION COSTS						\$195,000.00		\$181,350.00		\$172,965.00	\$219,375.00	
+/- ENGINEER'S ESTIMATE								-7.0%		-11.3%	+12.5%	

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	1. Central Allied Ent., Inc.		2. Perram Electric, Inc.		*3. Miller Cable Co.		
						AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	456	6" CONCRETE WALK	9914	SF	\$5.00	\$49,570.00	\$7.00	\$69,398.00	\$6.50	\$64,441.00	\$7.50	\$74,355.00
2	456	CURB RAMP, AS PER PLAN	27	EACH	\$500.00	\$13,500.00	\$2,250.00	\$60,750.00	\$750.00	\$20,250.00	\$2,550.00	\$68,850.00
3	690E65016	SPECIAL - WORK INVOLVING PETROLEUM CONTAMINATED SOIL	16.3	TON	\$58.92	\$960.44	\$225.00	\$3,667.50	\$100.00	\$1,630.00	\$280.00	\$4,564.00
4	630E79100	SIGN HANGER ASSEMBLY, MAST ARM	79	EACH	\$221.00	\$17,459.00	\$310.00	\$24,490.00	\$385.00	\$30,415.00	\$520.00	\$41,080.00
5	630E79500	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	19	EACH	\$85.64	\$1,627.11	\$70.00	\$1,330.00	\$91.00	\$1,729.00	\$145.00	\$2,755.00
6	630E80100	SIGN, FLAT SHEET	313	SF	\$14.54	\$4,551.56	\$17.00	\$5,321.00	\$22.00	\$6,886.00	\$15.00	\$4,695.00
7	630E80511	SIGN, STREET NAME, AS PER PLAN	53	EACH	\$400.00	\$21,200.00	\$300.00	\$15,900.00	\$300.00	\$15,900.00	\$295.00	\$15,635.00
8	630E87520	REMOVAL OF POLE MOUNTED SIGN AND REERECTION	5	EACH	\$78.24	\$391.18	\$100.00	\$500.00	\$91.00	\$455.00	\$40.00	\$200.00
9	644E00300	CENTER LINE	0.08	MILE	\$5,814.81	\$465.18	\$7,500.00	\$600.00	\$15,000.00	\$1,200.00	\$14,000.00	\$1,200.00
10	644E00500	STOP LINE	1373	FT	\$3.99	\$5,478.76	\$6.00	\$8,238.00	\$4.75	\$6,521.75	\$7.00	\$9,611.00
11	644E00600	CROSSWALK LINE	2856	FT	\$2.47	\$7,047.49	\$3.00	\$8,568.00	\$2.50	\$7,140.00	\$4.00	\$11,424.00
12	644E30000	REMOVAL OF PAVEMENT MARKING	1412	FT	\$2.25	\$3,171.37	\$4.00	\$5,648.00	\$2.65	\$3,741.80	\$5.50	\$7,766.00
13	625E00450	CONNECTION, FUSED PULL APART	33	EACH	\$63.05	\$2,080.49	\$65.00	\$2,145.00	\$105.00	\$3,465.00	\$85.00	\$2,805.00
14	625E00480	CONNECTION, UNFUSED PERMANENT	18	EACH	\$81.50	\$1,467.00	\$285.00	\$5,130.00	\$105.00	\$1,890.00	\$85.00	\$1,530.00
15	625E18000	BRACKET ARM, 10'	32	EACH	\$450.00	\$14,400.00	\$300.00	\$9,600.00	\$395.00	\$12,640.00	\$425.00	\$13,600.00
16	625E18200	BRACKET ARM, 15'	2	EACH	\$557.07	\$1,114.15	\$600.00	\$1,200.00	\$520.00	\$1,040.00	\$460.00	\$920.00
17	625E23304	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	16678	FT	\$1.13	\$18,802.11	\$0.80	\$13,342.40	\$1.40	\$23,349.20	\$1.60	\$26,684.80
18	625E23400	NO. 10 AWG POLE AND BRACKET CABLE	4470	FT	\$4.70	\$20,955.00	\$0.65	\$2,905.50	\$0.70	\$3,129.00	\$1.20	\$5,364.00
19	625E25402	CONDUIT, 2", 725.05	1856	FT	\$3.03	\$5,622.21	\$1.40	\$2,598.40	\$12.35	\$22,921.60	\$7.50	\$13,920.00
20	625E25502	CONDUIT, 3", 725.05	2297	FT	\$3.00	\$6,891.00	\$1.85	\$4,249.45	\$7.45	\$17,112.65	\$10.00	\$22,970.00
21	625E25802	CONDUIT, CONCRETE ENCASED	5403	FT	\$22.00	\$118,866.00	\$7.25	\$39,171.75	\$8.15	\$44,034.45	\$15.00	\$81,045.00
22	625E25910	CONDUIT CLEANED AND CABLES REMOVED	1741	FT	\$0.60	\$1,046.05	\$1.25	\$2,176.25	\$0.75	\$1,305.75	\$0.60	\$1,044.60
23	625E26253	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN	33	EACH	\$800.00	\$26,400.00	\$700.00	\$23,100.00	\$585.00	\$19,305.00	\$700.00	\$23,100.00
24	625E29000	TRENCH	1638	FT	\$4.92	\$8,055.73	\$2.50	\$4,095.00	\$10.90	\$17,854.20	\$10.00	\$16,380.00
25	625E29401	TRENCH IN PAVED AREAS, AS PER PLAN	373	FT	\$60.00	\$22,380.00	\$40.00	\$14,920.00	\$105.00	\$39,165.00	\$50.00	\$18,650.00
26	625E29500	TRENCH IN PAVED AREA, TYPE A	2307	FT	\$22.00	\$50,754.00	\$36.00	\$83,052.00	\$54.90	\$126,654.30	\$24.00	\$55,368.00
27	625E29600	TRENCH IN PAVED AREA, TYPE B	2093	FT	\$29.13	\$60,969.09	\$30.00	\$62,790.00	\$110.00	\$230,230.00	\$35.00	\$73,255.00
28	625E31451	PULL BOX, AS PER PLAN	12	EACH	\$500.00	\$6,000.00	\$650.00	\$7,800.00	\$845.00	\$10,140.00	\$875.00	\$10,500.00
29	625E31510	PULL BOX REMOVED	24	EACH	\$155.00	\$3,720.00	\$20.00	\$480.00	\$285.00	\$6,840.00	\$200.00	\$4,800.00
30	625E31600	PULL BOX, MISC.: POLYMER CONCRETE, 18" X 24" X 24"	36	EACH	\$500.00	\$18,000.00	\$500.00	\$18,000.00	\$745.00	\$26,820.00	\$750.00	\$27,000.00
31	625E31600	PULL BOX, MISC.: POLYMER CONCRETE, 24" X 36" X 24"	61	EACH	\$700.00	\$42,700.00	\$650.00	\$39,650.00	\$1,010.00	\$61,610.00	\$1,200.00	\$73,200.00
32	625E31600	PULL BOX, MISC.: POLYMER CONCRETE, 30" X 48" X 24"	11	EACH	\$1,000.00	\$11,000.00	\$850.00	\$9,350.00	\$1,300.00	\$14,300.00	\$1,600.00	\$17,600.00
33	625E32000	GROUND ROD	73	EACH	\$130.00	\$9,490.00	\$200.00	\$14,600.00	\$165.00	\$12,045.00	\$235.00	\$17,155.00
34	625E39520	PULL BOX CLEANED	19	EACH	\$80.46	\$1,528.76	\$50.00	\$950.00	\$71.00	\$1,349.00	\$55.00	\$1,045.00
35	632E04913	VEHICULAR SIGNAL HEAD, (LED) YELLOW, 3-SECTION, 12" LENS, 1-WAY, WITH BACKPLATE, A:	102	EACH	\$700.00	\$71,400.00	\$450.00	\$45,900.00	\$580.00	\$59,160.00	\$1,000.00	\$102,000.00
36	632E04923	VEHICULAR SIGNAL HEAD, (LED) YELLOW, 5-SECTION, 12" LENS, 1-WAY, WITH BACKPLATE, A:	11	EACH	\$1,200.00	\$13,200.00	\$1,000.00	\$11,000.00	\$970.00	\$10,670.00	\$1,500.00	\$16,500.00
37	632E20731	PEDESTRIAN SIGNAL HEAD (LED), (COUNTDOWN), TYPE D2, AS PER PLAN	96	EACH	\$550.00	\$52,800.00	\$500.00	\$48,000.00	\$363.50	\$34,896.00	\$600.00	\$57,600.00
38	632E25001	COVERING OF VEHICULAR SIGNAL HEAD, AS PER PLAN	113	EACH	\$30.00	\$3,390.00	\$20.00	\$2,260.00	\$5.00	\$565.00	\$60.00	\$6,780.00
39	632E25011	COVERING OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN	96	EACH	\$30.00	\$2,880.00	\$20.00	\$1,920.00	\$5.00	\$480.00	\$45.00	\$4,320.00
40	632E26001	PEDESTRIAN PUSHBUTTON, AS PER PLAN	46	EACH	\$300.00	\$13,800.00	\$200.00	\$9,200.00	\$215.00	\$9,890.00	\$200.00	\$9,200.00
41	632E40500	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	7565	FT	\$1.95	\$14,751.75	\$1.35	\$10,212.75	\$1.50	\$11,347.50	\$2.15	\$16,264.75
42	632E40700	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	21130	FT	\$2.20	\$46,486.00	\$1.70	\$35,921.00	\$1.60	\$33,808.00	\$2.35	\$49,655.50
43	632E64011	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	13	EACH	\$2,400.00	\$31,200.00	\$1,850.00	\$24,050.00	\$4,260.00	\$55,380.00	\$3,550.00	\$46,150.00
44	632E64020	PEDESTAL FOUNDATION	21	EACH	\$520.00	\$10,920.00	\$500.00	\$10,500.00	\$665.00	\$13,965.00	\$600.00	\$12,600.00
45	632E68200	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	1880	FT	\$2.30	\$4,324.00	\$0.95	\$1,786.00	\$2.70	\$5,076.00	\$3.00	\$5,640.00
46	632E70001	POWER SERVICE, AS PER PLAN	13	EACH	\$2,200.00	\$28,600.00	\$1,550.00	\$20,150.00	\$1,830.00	\$23,790.00	\$2,100.00	\$27,300.00
47	632E70400	CONDUIT RISER, 2" DIAMETER	6	EACH	\$265.89	\$1,595.34	\$170.00	\$1,020.00	\$470.00	\$2,820.00	\$400.00	\$2,400.00
48	632E75072	SIGNAL SUPPORT, TYPE TC-81.21 DESIGN 11 POLE, WITH MAST ARMS TC-81.21 DESIGN 4 ANC	2	EACH	\$8,000.00	\$16,000.00	\$6,000.00	\$12,000.00	\$5,670.00	\$11,340.00	\$7,400.00	\$14,800.00
49	632E75172	SIGNAL SUPPORT, TYPE TC-12.30 DESIGN 6 POLE, WITH MAST ARMS TC-81.21 DESIGN 11 ANC	2	EACH	\$11,500.00	\$23,000.00	\$11,000.00	\$22,000.00	\$12,460.00	\$24,920.00	\$10,750.00	\$21,500.00
50	632E77092	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21 DESIGN 12 POLE, WITH MAST ARMS TC-81.21	1	EACH	\$9,000.00	\$9,000.00	\$8,000.00	\$8,000.00	\$7,355.00	\$7,355.00	\$7,800.00	\$7,800.00
51	632E77102	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21 DESIGN 12 POLE, WITH MAST ARMS TC-81.21	3	EACH	\$9,000.00	\$27,000.00	\$8,250.00	\$24,750.00	\$7,675.00	\$23,025.00	\$8,000.00	\$24,000.00
52	632E77112	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21 DESIGN 12 POLE, WITH MAST ARMS TC-81.21	1	EACH	\$9,000.00	\$9,000.00	\$8,150.00	\$8,150.00	\$7,625.00	\$7,625.00	\$8,750.00	\$8,750.00
53	632E77142	COMBINATION SIGNAL SUPPORT, TYPE TC-12.30 DESIGN 5 POLE, WITH MAST ARMS TC-81.21	2	EACH	\$12,000.00	\$24,000.00	\$10,000.00	\$20,000.00	\$8,550.00	\$17,100.00	\$10,000.00	\$20,000.00
54	632E80302	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 3	3	EACH	\$3,950.00	\$11,850.00	\$3,300.00	\$9,900.00	\$3,410.00	\$10,230.00	\$3,600.00	\$10,800.00
55	632E80980	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 2	1	EACH	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	\$3,880.00	\$3,880.00	\$3,675.00	\$3,675.00
56	632E80990	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 3	19	EACH	\$5,500.00	\$104,500.00	\$4,000.00	\$76,000.00	\$3,650.00	\$69,350.00	\$3,800.00	\$72,200.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE	1. Central Allied Ent., Inc.		2. Perram Electric, Inc.		*3. Miller Cable Co.		
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
57	632E81000	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 4	2	EACH	\$5,800.00	\$11,600.00	\$5,000.00	\$10,000.00	\$4,830.00	\$9,660.00	\$4,800.00	\$9,600.00
58	632E81020	COMBINATION SIGNAL SUPPORT, TYPE TC-12.30, DESIGN 6	1	EACH	\$7,500.00	\$7,500.00	\$8,500.00	\$8,500.00	\$7,860.00	\$7,860.00	\$11,000.00	\$11,000.00
59	632E81070	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 11	1	EACH	\$9,600.00	\$9,600.00	\$5,200.00	\$5,200.00	\$5,035.00	\$5,035.00	\$6,200.00	\$6,200.00
60	632E81080	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 12	1	EACH	\$9,800.00	\$9,800.00	\$6,000.00	\$6,000.00	\$5,625.00	\$5,625.00	\$7,400.00	\$7,400.00
61	632E81090	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 13	1	EACH	\$12,000.00	\$12,000.00	\$9,500.00	\$9,500.00	\$8,650.00	\$8,650.00	\$8,300.00	\$8,300.00
62	632E90000	PEDESTAL, 11', TRANSFORMER BASE	28	EACH	\$735.00	\$20,580.00	\$500.00	\$14,000.00	\$735.00	\$20,580.00	\$450.00	\$12,600.00
63	632E90010	PEDESTAL, MISC.: DISCONNECT SWITCH PEDESTAL	6	EACH	\$3,800.00	\$22,800.00	\$7,500.00	\$45,000.00	\$3,465.00	\$20,790.00	\$560.00	\$3,360.00
64	632E90010	PEDESTAL, MISC.: 15', TRANSFORMER BASE	1	EACH	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,440.00	\$1,440.00	\$1,550.00	\$1,550.00
65	632E90101	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	13	EACH	\$1,200.00	\$15,600.00	\$150.00	\$1,950.00	\$1,435.00	\$18,655.00	\$1,600.00	\$20,800.00
66	632E90400	SIGNALIZATION, MISC.: TEMPORARY SIGNAL	12	EACH	\$9,000.00	\$108,000.00	\$4,500.00	\$54,000.00	\$7,205.00	\$86,460.00	\$20,000.00	\$240,000.00
67	633E01551	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS2, AS PER PLAN	13	EACH	\$12,000.00	\$156,000.00	\$12,500.00	\$162,500.00	\$11,025.00	\$143,325.00	\$13,000.00	\$169,000.00
68	633E67000	CABINET RISER	13	EACH	\$337.56	\$4,388.33	\$600.00	\$7,800.00	\$475.00	\$6,175.00	\$600.00	\$7,800.00
69	633E67101	CABINET FOUNDATION, AS PER PLAN	13	EACH	\$2,000.00	\$26,000.00	\$1,600.00	\$20,800.00	\$1,925.00	\$25,025.00	\$2,550.00	\$33,150.00
70	633E67200	CONTROLLER WORK PAD	1	EACH	\$283.30	\$283.30	\$350.00	\$350.00	\$100.00	\$100.00	\$250.00	\$250.00
71	633E67301	PREEMPTION, AS PER PLAN	13	EACH	\$5,000.00	\$65,000.00	\$1,250.00	\$16,250.00	\$6,140.00	\$79,820.00	\$6,750.00	\$87,750.00
72	633E75001	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	13	EACH	\$3,600.00	\$46,800.00	\$3,650.00	\$47,450.00	\$3,325.00	\$43,225.00	\$3,750.00	\$48,750.00
73	816E30001	VIDEO DETECTION SYSTEM, AS PER PLAN	52	EACH	\$4,500.00	\$234,000.00	\$4,600.00	\$239,200.00	\$4,485.00	\$233,220.00	\$5,250.00	\$273,000.00
74	632E62810	INTERCONNECT CABLE, MISC.: TRUNK CABLE, 48 FIBER, LOOSE TUBE, SINGLE MODE	132	FT	\$4.00	\$528.00	\$6.25	\$825.00	\$2.50	\$330.00	\$3.00	\$396.00
75	632E62810	INTERCONNECT CABLE, MISC.: TRUNK CABLE, 156 FIBER, LOOSE TUBE, SINGLE MODE	1931	FT	\$6.00	\$11,586.00	\$17.00	\$32,827.00	\$3.50	\$6,758.50	\$5.00	\$9,655.00
76	632E62820	INTERCONNECT, MISC.: SLACK INSTALLATION	8	EACH	\$300.00	\$2,400.00	\$1,050.00	\$8,400.00	\$345.00	\$2,760.00	\$400.00	\$3,200.00
77	633E99000	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, AS PER PLAN	26	EACH	\$250.00	\$6,500.00	\$550.00	\$14,300.00	\$115.00	\$2,990.00	\$250.00	\$6,500.00
78	633E99000	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	13	EACH	\$2,450.00	\$31,850.00	\$3,200.00	\$41,600.00	\$1,165.00	\$15,145.00	\$1,450.00	\$18,850.00
79	804E30000	FAN-OUT KIT, 6 FIBER	13	EACH	\$101.89	\$1,324.51	\$220.00	\$2,860.00	\$1.00	\$13.00	\$170.00	\$2,210.00
80	804E32020	DROP CABLE, 6 FIBER	1258	FT	\$5.00	\$6,290.00	\$8.00	\$10,064.00	\$1.50	\$1,887.00	\$3.00	\$3,774.00
81	804E33000	FIBER OPTIC PATCH CORD, 4 FIBER	26	EACH	\$80.84	\$2,101.94	\$80.00	\$2,080.00	\$25.00	\$650.00	\$110.00	\$2,860.00
82	804E34000	TERMINATION PANEL, 6 FIBER	13	EACH	\$189.53	\$2,463.93	\$220.00	\$2,860.00	\$735.00	\$9,555.00	\$1,200.00	\$15,600.00
83	804E37001	SPLICE ENCLOSURE, AS PER PLAN	16	EACH	\$780.00	\$12,480.00	\$2,100.00	\$33,600.00	\$1,660.00	\$26,560.00	\$2,000.00	\$32,000.00
84	804E37700	FIBER OPTIC CABLE TESTING	1	LS	\$1,200.00	\$1,200.00	\$6,000.00	\$6,000.00	\$5,110.00	\$5,110.00	\$6,400.00	\$6,400.00
85	614E26200	WORK ZONE STOP LINE, CLASS I, 642 PAINT	22	FT	\$3.68	\$80.90	\$7.00	\$154.00	\$8.00	\$176.00	\$50.00	\$1,100.00
86	623E10000	CONSTRUCTION LAYOUT STAKES AND SURVEYING (3%)	1	LS	\$50,000.00	\$50,000.00	\$25,000.00	\$25,000.00	\$300.00	\$300.00	\$15,750.00	\$15,750.00
87	624E10000	MOBILIZATION	0.25	LS	\$150,000.00	\$37,500.00	\$100,000.00	\$25,000.00	\$200,000.00	\$50,000.00	\$15,000.00	\$15,000.00
88	619E99000	FIELD OFFICE, TYPE A	0.25	LS	\$10,000.00	\$2,500.00	\$25,000.00	\$6,250.00	\$14,000.00	\$3,500.00	\$6,500.00	\$6,500.00
89	103.05	CONTRACT PERFORMANCE BOND	0.25	LS	\$116,900.00	\$29,225.00	\$80,000.00	\$20,000.00	\$65,730.00	\$16,432.50	\$10,000.00	\$10,000.00
<b>SUBSTITUTION ALTERNATE 1 - PREEMPTION, AS PER PLAN</b>												
90	633	ODOT Item 633E67301 PREEMPTION, AS PER PLAN (Replaces Base Bid Reference #72)	13	EACH	\$5,000.00	\$65,000.00	\$5,500.00	\$71,500.00	\$7,075.00	\$91,975.00	\$6,850.00	\$89,050.00
<b>SUBSTITUTION ALTERNATE 2 - VIDEO DETECTION SYSTEM AUTOSCOPE, AS PER PLAN</b>												
91	816	ODOT Item 816E30001 VIDEO DETECTION SYSTEM, AS PER PLAN (Replaces Base Bid Reference #74)	52	EACH	\$5,000.00	\$260,000.00	\$5,600.00	\$291,200.00	\$5,095.00	\$264,940.00	\$5,850.00	\$304,200.00
<b>SUBSTITUTION ALTERNATE 3 - VIDEO DETECTION SYSTEM FLIR, AS PER PLAN</b>												
92	816	ODOT Item 816E30001 VIDEO DETECTION SYSTEM, AS PER PLAN (Replaces Base Bid Reference #63)	52	EACH	\$5,000.00	\$260,000.00	\$4,600.00	\$239,200.00	\$4,485.00	\$233,220.00	\$5,625.00	\$292,500.00
TOTAL CONSTRUCTION COSTS						\$2,034,139.81		\$1,853,756.00		\$2,151,994.20		\$2,380,231.65
+/- ENGINEER'S ESTIMATE								-8.9%		+5.8%		+17.0%



BID TAB FOR: SUM-SR 18 SUMMIT TO PORTAGE PATH (PID NO. 93435)

FILE NO. 2014-022-00

BID DATE: MARCH 23, 2016

CODE: 4060-B14007

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	AMOUNT	1. Central Allied Ent., Inc. PRICE	AMOUNT	2. Perram Electric, Inc. PRICE	AMOUNT	*3. Miller Cable Co. PRICE	AMOUNT
		<b><u>ALTERNATE #1</u></b>										
		TOTAL CONSTRUCTION COSTS				\$65,000.00		\$71,500.00		\$91,975.00		\$89,050.00
		+/- ENGINEER'S ESTIMATE						+10.0%		+41.5%		+37.0%
		<b><u>ALTERNATE #2</u></b>										
		TOTAL CONSTRUCTION COSTS				\$260,000.00		\$291,200.00		\$264,940.00		\$304,200.00
		+/- ENGINEER'S ESTIMATE						+12.0%		+1.9%		+17.0%
		<b><u>ALTERNATE #3</u></b>										
		TOTAL CONSTRUCTION COSTS				\$260,000.00		\$239,200.00		\$233,220.00		\$292,500.00
		+/- ENGINEER'S ESTIMATE						-8.0%		-10.3%		+12.5%

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	1.Central Allied Ent., Inc.		2.Perram Electric, Inc.		*3. Miller Cable Co.		
						AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	456	6" CONCRETE WALK	2150	SF	\$6.00	\$12,900.00	\$7.00	\$15,050.00	\$6.50	\$13,975.00	\$7.50	\$16,125.00
2	456	CURB RAMP, AS PER PLAN	11	EACH	\$900.00	\$9,900.00	\$2,500.00	\$27,500.00	\$750.00	\$8,250.00	\$2,550.00	\$28,050.00
3	690E65016	SPECIAL - WORK INVOLVING PETROLEUM CONTAMINATED SOIL	7	TON	\$58.92	\$412.46	\$270.00	\$1,890.00	\$100.00	\$700.00	\$280.00	\$1,960.00
4	630E79100	SIGN HANGER ASSEMBLY, MAST ARM	30	EACH	\$221.00	\$6,630.00	\$310.00	\$9,300.00	\$380.00	\$11,400.00	\$520.00	\$15,600.00
5	630E79500	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	12	EACH	\$85.64	\$1,027.65	\$70.00	\$840.00	\$91.00	\$1,092.00	\$145.00	\$1,740.00
6	630E80100	SIGN, FLAT SHEET	140	SF	\$15.56	\$2,177.91	\$17.00	\$2,380.00	\$22.15	\$3,101.00	\$16.00	\$2,240.00
7	630E80511	SIGN, STREET NAME, AS PER PLAN	16	EACH	\$400.00	\$6,400.00	\$300.00	\$4,800.00	\$300.00	\$4,800.00	\$295.00	\$4,720.00
8	630E84511	RIGID OVERHEAD SIGN SUPPORT FOUNDATION, AS PER PLAN	3	EACH	\$4,800.00	\$14,400.00	\$1,900.00	\$5,700.00	\$3,375.00	\$10,125.00	\$2,350.00	\$7,050.00
9	630E10302	OVERHEAD SIGN SUPPORT, TYPE TC-16.21, DESIGN 3	2	EACH	\$4,500.00	\$9,000.00	\$5,700.00	\$11,400.00	\$5,285.00	\$10,570.00	\$6,850.00	\$13,700.00
10	630E11102	OVERHEAD SIGN SUPPORT, TYPE TC-16.21, DESIGN 11	1	EACH	\$950.00	\$950.00	\$6,900.00	\$6,900.00	\$5,730.00	\$5,730.00	\$8,700.00	\$8,700.00
11	644E00500	STOP LINE	371	FT	\$5.21	\$1,931.61	\$6.00	\$2,226.00	\$4.75	\$1,762.25	\$7.00	\$2,597.00
12	644E00600	CROSSWALK LINE	1580	FT	\$2.62	\$4,137.70	\$3.00	\$4,740.00	\$2.50	\$3,950.00	\$4.00	\$6,320.00
13	644E30000	REMOVAL OF PAVEMENT MARKING	1951	FT	\$1.95	\$3,805.58	\$4.00	\$7,804.00	\$2.65	\$5,170.15	\$5.50	\$10,730.50
14	625E00450	CONNECTION, FUSED PULL APART	6	EACH	\$67.20	\$403.18	\$65.00	\$390.00	\$105.00	\$630.00	\$85.00	\$510.00
15	625E00480	CONNECTION, UNFUSED PERMANENT	2	EACH	\$81.50	\$163.00	\$70.00	\$140.00	\$105.00	\$210.00	\$85.00	\$170.00
16	625E18000	BRACKET ARM, 10'	5	EACH	\$450.00	\$2,250.00	\$500.00	\$2,500.00	\$395.00	\$1,975.00	\$425.00	\$2,125.00
17	625E18200	BRACKET ARM, 15'	1	EACH	\$557.07	\$557.07	\$700.00	\$700.00	\$520.00	\$520.00	\$460.00	\$460.00
18	625E23304	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	2310	FT	\$1.25	\$2,879.25	\$1.25	\$2,887.50	\$1.40	\$3,234.00	\$1.60	\$3,696.00
19	625E23400	NO. 10 AWG POLE AND BRACKET CABLE	825	FT	\$0.93	\$766.99	\$0.70	\$577.50	\$0.70	\$577.50	\$1.20	\$990.00
20	625E25402	CONDUIT, 2", 725.05	935	FT	\$3.37	\$3,152.20	\$1.50	\$1,402.50	\$5.50	\$5,142.50	\$7.50	\$7,012.50
21	625E25502	CONDUIT, 3", 725.05	2429	FT	\$3.00	\$7,287.00	\$1.85	\$4,493.65	\$7.45	\$18,096.05	\$10.00	\$24,290.00
22	625E25802	CONDUIT, CONCRETE ENCASED, 2"	479	FT	\$20.00	\$9,580.00	\$8.50	\$4,071.50	\$5.50	\$2,634.50	\$12.50	\$5,987.50
23	625E25802	CONDUIT, CONCRETE ENCASED, 3"	1385	FT	\$22.00	\$30,470.00	\$6.15	\$8,517.75	\$7.40	\$10,249.00	\$15.00	\$20,775.00
24	625E25910	CONDUIT CLEANED AND CABLES REMOVED	1240	FT	\$0.60	\$745.03	\$1.65	\$2,046.00	\$0.70	\$868.00	\$0.50	\$620.00
25	625E26253	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN	6	EACH	\$800.00	\$4,800.00	\$700.00	\$4,200.00	\$585.00	\$3,510.00	\$700.00	\$4,200.00
26	625E29000	TRENCH	150	FT	\$4.92	\$737.70	\$7.00	\$1,050.00	\$11.40	\$1,710.00	\$10.00	\$1,500.00
27	625E29401	TRENCH IN PAVED AREAS, AS PER PLAN	60	FT	\$60.00	\$3,600.00	\$35.00	\$2,100.00	\$105.00	\$6,300.00	\$50.00	\$3,000.00
28	625E29500	TRENCH IN PAVED AREA, TYPE A	1300	FT	\$22.00	\$28,600.00	\$10.00	\$13,000.00	\$54.90	\$71,370.00	\$24.00	\$31,200.00
29	625E29600	TRENCH IN PAVED AREA, TYPE B	655	FT	\$29.13	\$19,080.15	\$32.00	\$20,960.00	\$110.00	\$72,050.00	\$35.00	\$22,925.00
30	625E31451	PULL BOX, AS PER PLAN	4	EACH	\$600.00	\$2,400.00	\$1,850.00	\$7,400.00	\$845.00	\$3,380.00	\$75.00	\$3,500.00
31	625E31510	PULL BOX REMOVED	19	EACH	\$155.00	\$2,945.00	\$50.00	\$950.00	\$285.00	\$5,415.00	\$200.00	\$3,800.00
32	625E31600	PULL BOX, MISC.: POLYMER CONCRETE, 18" X 24" X 24"	7	EACH	\$600.00	\$4,200.00	\$400.00	\$2,800.00	\$745.00	\$5,215.00	\$750.00	\$5,250.00
33	625E31600	PULL BOX, MISC.: POLYMER CONCRETE, 24" X 36" X 24"	14	EACH	\$800.00	\$11,200.00	\$700.00	\$9,800.00	\$1,010.00	\$14,140.00	\$1,200.00	\$16,800.00
34	625E31600	PULL BOX, MISC.: POLYMER CONCRETE, 30" X 48" X 24"	13	EACH	\$1,100.00	\$14,300.00	\$850.00	\$11,050.00	\$1,135.00	\$14,755.00	\$1,600.00	\$20,800.00
35	625E32000	GROUND ROD	36	EACH	\$130.00	\$4,680.00	\$200.00	\$7,200.00	\$165.00	\$5,940.00	\$235.00	\$8,460.00
36	625E39520	PULL BOX CLEANED	2	EACH	\$80.46	\$160.92	\$50.00	\$100.00	\$70.00	\$140.00	\$55.00	\$110.00
37	632E04913	VEHICULAR SIGNAL HEAD, (LED) YELLOW, 3-SECTION, 12" LENS, 1-WAY, WITH BACKPLATE, A:	18	EACH	\$700.00	\$12,600.00	\$700.00	\$12,600.00	\$580.00	\$10,440.00	\$1,000.00	\$18,000.00
38	632E04923	VEHICULAR SIGNAL HEAD, (LED) YELLOW, 5-SECTION, 12" LENS, 1-WAY, WITH BACKPLATE, A:	8	EACH	\$1,200.00	\$9,600.00	\$1,050.00	\$8,400.00	\$970.00	\$7,760.00	\$1,500.00	\$12,000.00
39	632E20731	PEDESTRIAN SIGNAL HEAD (LED) , (COUNTDOWN), TYPE D2, AS PER PLAN	24	EACH	\$550.00	\$13,200.00	\$400.00	\$9,600.00	\$365.00	\$8,760.00	\$600.00	\$14,400.00
40	632E25001	COVERING OF VEHICULAR SIGNAL HEAD, AS PER PLAN	26	EACH	\$30.00	\$780.00	\$20.00	\$520.00	\$5.00	\$130.00	\$60.00	\$1,560.00
41	632E25011	COVERING OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN	24	EACH	\$30.00	\$720.00	\$20.00	\$480.00	\$5.00	\$120.00	\$45.00	\$1,080.00
42	632E26001	PEDESTRIAN PUSHBUTTON, AS PER PLAN	12	EACH	\$300.00	\$3,600.00	\$200.00	\$2,400.00	\$195.00	\$2,340.00	\$200.00	\$2,400.00
43	632E40500	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	1765	FT	\$1.95	\$3,441.75	\$2.30	\$4,059.50	\$1.45	\$2,559.25	\$2.15	\$3,794.75
44	632E40700	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	6105	FT	\$2.20	\$13,431.00	\$1.80	\$10,989.00	\$1.60	\$9,768.00	\$2.35	\$14,346.75
45	632E64011	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	11	EACH	\$2,400.00	\$26,400.00	\$1,700.00	\$18,700.00	\$4,475.00	\$49,225.00	\$3,550.00	\$39,050.00
46	632E64020	PEDESTAL FOUNDATION	5	EACH	\$520.00	\$2,600.00	\$800.00	\$4,000.00	\$665.00	\$3,325.00	\$600.00	\$3,000.00
47	632E68200	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	635	FT	\$2.30	\$1,460.50	\$1.00	\$635.00	\$2.70	\$1,714.50	\$3.00	\$1,905.00
48	632E70001	POWER SERVICE, AS PER PLAN	4	EACH	\$4,075.00	\$16,300.00	\$1,600.00	\$6,400.00	\$1,715.00	\$6,860.00	\$2,100.00	\$8,400.00
49	632E70400	CONDUIT RISER, 2" DIAMETER	4	EACH	\$289.13	\$1,156.52	\$250.00	\$1,000.00	\$470.00	\$1,880.00	\$400.00	\$1,600.00
50	632E70600	CONDUIT RISER, 3" DIAMETER	11	EACH	\$565.00	\$6,215.00	\$200.00	\$2,200.00	\$570.00	\$6,270.00	\$550.00	\$6,050.00
51	632E75077	SIGNAL SUPPORT, TYPE TC-81.21 DESIGN 11 POLE, WITH MAST ARMS TC-81.21 DESIGN 11 AN	1	EACH	\$9,800.00	\$9,800.00	\$7,000.00	\$7,000.00	\$6,480.00	\$6,480.00	\$7,900.00	\$7,900.00
52	632E80302	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 3	1	EACH	\$4,056.37	\$4,056.37	\$4,000.00	\$4,000.00	\$3,780.00	\$3,780.00	\$3,700.00	\$3,700.00
53	632E80502	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 11	3	EACH	\$5,290.11	\$15,870.32	\$6,000.00	\$18,000.00	\$5,585.00	\$16,755.00	\$7,200.00	\$21,600.00
54	632E80602	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 12	1	EACH	\$7,305.74	\$7,305.74	\$7,000.00	\$7,000.00	\$6,360.00	\$6,360.00	\$7,100.00	\$7,100.00
55	632E80990	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 3	3	EACH	\$5,600.00	\$16,800.00	\$5,000.00	\$15,000.00	\$3,965.00	\$11,895.00	\$3,800.00	\$11,400.00
56	632E81070	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 11	2	EACH	\$9,600.00	\$19,200.00	\$6,500.00	\$13,000.00	\$5,850.00	\$11,700.00	\$6,200.00	\$12,400.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S	1.Central Allied Ent., Inc.		2.Perram Electric, Inc.		*3. Miller Cable Co.		
					ESTIMATE PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
57	632E81080	COMBINATION SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 12	1	EACH	\$8,000.00	\$8,000.00	\$7,250.00	\$7,250.00	\$6,855.00	\$6,855.00	\$7,400.00	\$7,400.00
58	632E90000	PEDESTAL, 11', TRANSFORMER BASE	5	EACH	\$735.00	\$3,675.00	\$550.00	\$2,750.00	\$735.00	\$3,675.00	\$450.00	\$2,250.00
59	632E90101	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	4	EACH	\$1,200.00	\$4,800.00	\$1,400.00	\$5,600.00	\$1,960.00	\$7,840.00	\$1,600.00	\$6,400.00
60	633E01551	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS2, AS PER PLAN	4	EACH	\$12,000.00	\$48,000.00	\$12,500.00	\$50,000.00	\$11,025.00	\$44,100.00	\$13,000.00	\$52,000.00
61	633E67000	CABINET RISER	4	EACH	\$364.55	\$1,458.19	\$600.00	\$2,400.00	\$475.00	\$1,900.00	\$600.00	\$2,400.00
62	633E67101	CABINET FOUNDATION, AS PER PLAN	4	EACH	\$2,000.00	\$8,000.00	\$1,800.00	\$7,200.00	\$1,925.00	\$7,700.00	\$2,550.00	\$10,200.00
63	633E67200	CONTROLLER WORK PAD	4	EACH	\$236.45	\$945.78	\$300.00	\$1,200.00	\$100.00	\$400.00	\$250.00	\$1,000.00
64	633E67301	PREEMPTION, AS PER PLAN	4	EACH	\$5,000.00	\$20,000.00	\$5,700.00	\$22,800.00	\$5,590.00	\$22,360.00	\$6,950.00	\$27,800.00
65	633E75001	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	4	EACH	\$3,600.00	\$14,400.00	\$3,500.00	\$14,000.00	\$3,325.00	\$13,300.00	\$3,750.00	\$15,000.00
66	633E99000	CONTROLLER ITEM, MISC.: WIRING NEW CONTROLLER	1	EACH	\$1,000.00	\$1,000.00	\$300.00	\$300.00	\$755.00	\$755.00	\$900.00	\$900.00
67	816E30001	VIDEO DETECTION SYSTEM, AS PER PLAN	16	EACH	\$5,000.00	\$80,000.00	\$5,700.00	\$91,200.00	\$4,485.00	\$71,760.00	\$5,325.00	\$85,200.00
68	632E29900	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES	4150	FT	\$3.50	\$14,525.00	\$6.30	\$26,145.00	\$1.70	\$7,055.00	\$3.00	\$12,450.00
69	632E62810	INTERCONNECT CABLE, MISC.: TRUNK CABLE, 48 FIBER, LOOSE TUBE, SINGLE MODE	7750	FT	\$4.00	\$31,000.00	\$6.20	\$48,050.00	\$2.35	\$18,212.50	\$3.00	\$23,250.00
70	632E62820	INTERCONNECT, MISC.: SLACK INSTALLATION	12	EACH	\$300.00	\$3,600.00	\$1,050.00	\$12,600.00	\$330.00	\$3,960.00	\$400.00	\$4,800.00
71	633E99000	CONTROLLER ITEM, MISC.:FIBER OPTIC ETHERNET TRASCEIVER, AS PER PLAN	8	EACH	\$250.00	\$2,000.00	\$550.00	\$4,400.00	\$95.00	\$760.00	\$250.00	\$2,000.00
72	633E99000	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	4	EACH	\$2,450.00	\$9,800.00	\$3,200.00	\$12,800.00	\$1,165.00	\$4,660.00	\$1,450.00	\$5,800.00
73	804E30000	FAN-OUT KIT, 6 FIBER	4	EACH	\$101.89	\$407.54	\$225.00	\$900.00	\$1.00	\$4.00	\$170.00	\$680.00
74	804E32020	DROP CABLE, 6 FIBER	270	FT	\$5.00	\$1,350.00	\$9.00	\$2,430.00	\$2.55	\$688.50	\$3.00	\$810.00
75	804E33000	FIBER OPTIC PATCH CORD, 4 FIBER	8	EACH	\$80.84	\$646.75	\$80.00	\$640.00	\$25.00	\$200.00	\$110.00	\$880.00
76	804E34000	TERMINATION PANEL, 6 FIBER	4	EACH	\$189.53	\$758.13	\$2,250.00	\$9,000.00	\$735.00	\$2,940.00	\$1,200.00	\$4,800.00
77	804E37001	SPLICE ENCLOSURE, AS PER PLAN	4	EACH	\$780.00	\$3,120.00	\$2,100.00	\$8,400.00	\$1,115.00	\$4,460.00	\$2,900.00	\$11,600.00
78	804E37700	FIBER OPTIC CABLE TESTING	1	LS	\$1,200.00	\$1,200.00	\$5,950.00	\$5,950.00	\$2,465.00	\$2,465.00	\$1,725.00	\$1,725.00
79	623E10000	CONSTRUCTION LAYOUT STAKES AND SURVEYING (3%)	1	LS	\$23,300.00	\$23,300.00	\$12,500.00	\$12,500.00	\$200.00	\$200.00	\$10,500.00	\$10,500.00
80	624E10000	MOBILIZATION	0.25	LS	\$150,000.00	\$37,500.00	\$100,000.00	\$25,000.00	\$200,000.00	\$50,000.00	\$15,000.00	\$15,000.00
81	619E99000	FIELD OFFICE, TYPE A	0.25	LS	\$10,000.00	\$2,500.00	\$25,000.00	\$6,250.00	\$14,000.00	\$3,500.00	\$6,500.00	\$6,500.00
82	103.05	CONTRACT PERFORMANCE BOND	0.25	LS	\$116,900.00	\$29,225.00	\$80,000.00	\$20,000.00	\$65,730.00	\$16,432.50	\$10,000.00	\$10,000.00
<b>SUBSTITUTION ALTERNATE 1 - PREEMPTION, AS PER PLAN</b>												
83	633	ODOT Item 633E67301 PREEMPTION, AS PER PLAN (Replaces Base Bid Reference #65)	4	EACH	\$5,000.00	\$20,000.00	\$5,800.00	\$23,200.00	\$6,250.00	\$25,000.00	\$7,100.00	\$28,400.00
<b>SUBSTITUTION ALTERNATE 2 - VIDEO DETECTION SYSTEM AUTOSCOPE, AS PER PLAN</b>												
84	816	ODOT Item 816E30001 VIDEO DETECTION SYSTEM, AS PER PLAN (Replaces Base Bid Reference #78)	16	EACH	\$5,000.00	\$80,000.00	\$5,700.00	\$91,200.00	\$5,160.00	\$82,560.00	\$5,800.00	\$92,800.00
<b>SUBSTITUTION ALTERNATE 3 - VIDEO DETECTION SYSTEM FLIR, AS PER PLAN</b>												
85	816	ODOT Item 816E30001 VIDEO DETECTION SYSTEM, AS PER PLAN (Replaces Base Bid Reference #78)	16	EACH	\$5,000.00	\$80,000.00	\$4,750.00	\$76,000.00	\$4,485.00	\$71,760.00	\$5,625.00	\$90,000.00
TOTAL CONSTRUCTION COSTS						\$764,379.02		\$754,614.90		\$792,991.20		\$820,745.00
+/- ENGINEER'S ESTIMATE								-1.3%		+3.7%		+7.4%
<b>ALTERNATE #1</b>												
TOTAL CONSTRUCTION COSTS						\$20,000.00		\$23,200.00		\$25,000.00		\$28,400.00
+/- ENGINEER'S ESTIMATE								+16.0%		+25.0%		+42.0%
<b>ALTERNATE #2</b>												
TOTAL CONSTRUCTION COSTS						\$80,000.00		\$91,200.00		\$82,560.00		\$92,800.00
+/- ENGINEER'S ESTIMATE								+14.0%		+3.2%		+16.0%
<b>ALTERNATE #3</b>												
TOTAL CONSTRUCTION COSTS						\$80,000.00		\$76,000.00		\$71,760.00		\$90,000.00
+/- ENGINEER'S ESTIMATE								-5.0%		-10.3%		+12.5%

