Ohio Department of Transportation
Official Bid Tabulation
Jack Marchbanks, Ph.D., Director

Project No. 220583
PID 109058
LOR-/RIC-TSG FY2023(A)
Federal
Type: SIGNALIZATION
Letting Date: 11/3/2022
Completion Date: 11/30/2023

Contract Awarded To: RUHLIN COMPANY
Award Amount: $738,696.11

Engineer's Estimate: $860,000.00

Bidder 1
RUHLIN COMPANY
P O BOX 190
Medina
SHARON CENTER, OH 44274
Bid $738,696.11

Bidder 2
MILLER CABLE COMPANY
210 S BROADWAY ST P O BOX 68
Seneca
GREEN SPRINGS, OH 44836
Bid $772,000.00

Bidder 3
PERRAM ELECTRIC INC
6882 RIDGE RD
Medina
WADSWORTH, OH 44281
Bid $773,550.00

Ref #1	**201E11000**	**CLEARING AND GRUBBING, (LUMP SUM)**	
	Awd	$1,000.00	$1,000.00
	2	$1,350.00	$1,350.00
	3	$1,350.00	$1,350.00
Ref #2	**202E30000**	**WALK REMOVED, (1112 SF)**	
	Awd	$4.70	$5,226.40
	2	$4.80	$5,337.60
	3	$4.80	$5,337.60
Ref #3	**202E32000**	**CURB REMOVED, (78 FT)**	
	Awd	$14.30	$1,115.40
	2	$10.00	$780.00
	3	$10.00	$780.00
Ref #4	**202E32500**	**CURB AND GUTTER REMOVED, (168 FT)**	
	Awd	$7.00	$1,176.00
	2	$11.00	$1,848.00
	3	$11.00	$1,848.00
Ref #5	**203E20001**	**EMBANKMENT, AS PER PLAN, (3 CY)**	
	Awd	$495.00	$1,485.00
	2	$85.00	$255.00
	3	$85.00	$255.00
Ref #6	**606E15050**	**GUARDRAIL, TYPE MGS, (62.5 FT)**	
	Awd	$14.70	$918.75
	2	$42.00	$2,625.00
	3	$47.20	$2,950.00
Ref #7	**606E26150**	**ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016), (1 EACH)**	
	Awd	$2,050.00	$2,050.00
	2	$3,120.00	$3,120.00
	3	$3,180.00	$3,180.00
Ref #8	**606E26550**	**ANCHOR ASSEMBLY, MGS TYPE T, (1 EACH)**	
	Awd	$2,000.00	$2,000.00
	2	$1,475.00	$1,475.00
	3	$1,450.00	$1,450.00
Ref #9	**608E10000**	**4" CONCRETE WALK, (549 SF)**	
	Awd	$13.70	$7,521.30
	2	$17.00	$9,333.00
	3	$17.00	$9,333.00
Ref #10	**608E52000**	**CURB RAMP, (363 SF)**	
	Awd	$24.40	$8,857.20
	2	$17.00	$6,171.00
	3	$17.00	$6,171.00
Ref #11	**609E12000**	**COMBINATION CURB AND GUTTER, TYPE 2, (168 FT)**	
	Awd	$43.30	$7,274.40
	2	$40.00	$6,720.00
	3	$40.00	$6,720.00
Ref #12	**609E26000**	**CURB, TYPE 6, (125 FT)**	
	Awd	$47.90	$5,987.50
	2	$26.00	$3,250.00
	3	$26.00	$3,250.00

Ref #13	**609E50000**	**4" CONCRETE TRAFFIC ISLAND, (21 SY)**	
	Awd	$19.70	$413.70
	2	$112.00	$2,352.00
	3	$112.00	$2,352.00

Section 1 - ROADWAY - Totals

Awd	**$45,025.65**
2	**$44,616.60**
3	**$44,976.60**

Ref #14	**832E30000**	**EROSION CONTROL, (2000 EACH)**	
	Awd	$1.00	$2,000.00
	2	$1.00	$2,000.00
	3	$1.00	$2,000.00

Section 2 - EROSION CONTROL - Totals

Awd	**$2,000.00**
2	**$2,000.00**
3	**$2,000.00**

Ref #15	**642E30000**	**REMOVAL OF PAVEMENT MARKING, (166 FT)**	
	Awd	$22.90	$3,801.40
	2	$23.00	$3,818.00
	3	$22.00	$3,652.00
Ref #16	**644E00500**	**STOP LINE, (80 FT)**	
	Awd	$20.00	$1,600.00
	2	$19.00	$1,520.00
	3	$17.80	$1,424.00
Ref #17	**644E00620**	**CROSSWALK LINE, 12", (419 FT)**	
	Awd	$9.50	$3,980.50
	2	$9.50	$3,980.50
	3	$8.90	$3,729.10

Section 3 - TRAFFIC CONTROL - Totals

Awd	**$9,381.90**
2	**$9,318.50**
3	**$8,805.10**

Ref #18	**611E00400**	**4" CONDUIT, TYPE E, (190 FT)**	
	Awd	$15.00	$2,850.00
	2	$2.00	$380.00
	3	$7.65	$1,453.50
Ref #19	**625E00450**	**CONNECTION, FUSED PULL APART, (10 EACH)**	
	Awd	$140.00	$1,400.00
	2	$110.00	$1,100.00
	3	$150.00	$1,500.00
Ref #20	**625E00460**	**CONNECTION, UNFUSED PULL APART, (33 EACH)**	
	Awd	$120.00	$3,960.00
	2	$110.00	$3,630.00
	3	$147.00	$4,851.00

Ref #21	**625E18100**	**BRACKET ARM, 12', (1 EACH)**	
	Awd	$665.00	$665.00
	2	$500.00	$500.00
	3	$512.00	$512.00
Ref #22	**625E18200**	**BRACKET ARM, 15', (1 EACH)**	
	Awd	$940.00	$940.00
	2	$700.00	$700.00
	3	$670.00	$670.00
Ref #23	**625E18300**	**BRACKET ARM, 18', (1 EACH)**	
	Awd	$1,236.00	$1,236.00
	2	$900.00	$900.00
	3	$1,055.00	$1,055.00
Ref #24	**625E18400**	**BRACKET ARM, 20', (2 EACH)**	
	Awd	$1,280.00	$2,560.00
	2	$1,075.00	$2,150.00
	3	$1,095.00	$2,190.00
Ref #25	**625E23302**	**NO. 6 AWG 2400 VOLT DISTRIBUTION CABLE, (2085 FT)**	
	Awd	$2.50	$5,212.50
	2	$3.00	$6,255.00
	3	$2.45	$5,108.25
Ref #26	**625E23400**	**NO. 10 AWG POLE AND BRACKET CABLE, (500 FT)**	
	Awd	$1.60	$800.00
	2	$2.00	$1,000.00
	3	$1.37	$685.00
Ref #27	**625E25400**	**CONDUIT, 2", 725.04, (197 FT)**	
	Awd	$23.00	$4,531.00
	2	$22.00	$4,334.00
	3	$19.65	$3,871.05
Ref #28	**625E25500**	**CONDUIT, 3", 725.04, (303 FT)**	
	Awd	$35.00	$10,605.00
	2	$34.00	$10,302.00
	3	$32.20	$9,756.60
Ref #29	**625E25550**	**CONDUIT, 3-1/2", 725.04, (172 FT)**	
	Awd	$46.00	$7,912.00
	2	$38.00	$6,536.00
	3	$43.15	$7,421.80
Ref #30	**625E25600**	**CONDUIT, 4", 725.04, (61 FT)**	
	Awd	$59.00	$3,599.00
	2	$51.00	$3,111.00
	3	$48.05	$2,931.05
Ref #31	**625E25902**	**CONDUIT, JACKED OR DRILLED, 725.04, 3 1/2", (289 FT)**	
	Awd	$67.00	$19,363.00
	2	$60.00	$17,340.00
	3	$67.90	$19,623.10
Ref #32	**625E25902**	**CONDUIT, JACKED OR DRILLED, 725.04, 3", (207 FT)**	
	Awd	$56.00	$11,592.00
	2	$54.00	$11,178.00
	3	$65.00	$13,455.00

Ref #33	**625E25902**	**CONDUIT, JACKED OR DRILLED, 725.04, 4", (25 FT)**	
	Awd	$80.00	$2,000.00
	2	$72.00	$1,800.00
	3	$79.00	$1,975.00
Ref #34	**625E26252**	**LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), IES-II, (5 EACH)**	
	Awd	$366.00	$1,830.00
	2	$400.00	$2,000.00
	3	$610.00	$3,050.00
Ref #35	**625E29000**	**TRENCH, (701 FT)**	
	Awd	$8.00	$5,608.00
	2	$11.00	$7,711.00
	3	$12.50	$8,762.50
Ref #36	**625E30700**	**PULL BOX, 725.08, 18", (10 EACH)**	
	Awd	$825.00	$8,250.00
	2	$1,000.00	$10,000.00
	3	$1,125.00	$11,250.00
Ref #37	**625E30706**	**PULL BOX, 725.08, 24", (9 EACH)**	
	Awd	$995.00	$8,955.00
	2	$1,250.00	$11,250.00
	3	$1,310.00	$11,790.00
Ref #38	**625E32000**	**GROUND ROD, (23 EACH)**	
	Awd	$325.00	$7,475.00
	2	$275.00	$6,325.00
	3	$305.00	$7,015.00
Ref #39	**625E36011**	**UNDERGROUND WARNING/MARKING TAPE, AS PER PLAN, (701 FT)**	
	Awd	$2.30	$1,612.30
	2	$3.00	$2,103.00
	3	$1.25	$876.25
Ref #40	**625E40000**	**SPECIAL - MAINTAIN EXISTING LIGHTING, (LUMP SUM)**	
	Awd	$2,278.00	$2,278.00
	2	$100.00	$100.00
	3	$200.00	$200.00
Ref #41	**625E76000**	**ARC FLASH CALCULATIONS AND LABEL , POWER SERVICE, (3 EACH)**	
	Awd	$285.00	$855.00
	2	$3,000.00	$9,000.00
	3	$2,500.00	$7,500.00
Ref #42	**630E97700**	**SIGNING, MISC.: SOLAR POWERED LED ENHANCED SIGN, (4 EACH)**	
	Awd	$3,915.00	$15,660.00
	2	$4,000.00	$16,000.00
	3	$4,215.00	$16,860.00
Ref #43	**632E05007**	**VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS,, (26 EACH)**	
	Awd	$1,117.00	$29,042.00
	2	$900.00	$23,400.00
	3	$880.00	$22,880.00
Ref #44	**632E20730**	**PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, (11 EACH)**	
	Awd	$620.00	$6,820.00
	2	$600.00	$6,600.00
	3	$475.00	$5,225.00

Ref #45	**632E20750**	**ACCESSIBLE PEDESTRIAN PUSHBUTTON, (11 EACH)**	
	Awd	$785.00	$8,635.00
	2	$720.00	$7,920.00
	3	$755.00	$8,305.00
Ref #46	**632E25000**	**COVERING OF VEHICULAR SIGNAL HEAD, (26 EACH)**	
	Awd	$50.00	$1,300.00
	2	$70.00	$1,820.00
	3	$10.00	$260.00
Ref #47	**632E25010**	**COVERING OF PEDESTRIAN SIGNAL HEAD, (11 EACH)**	
	Awd	$30.00	$330.00
	2	$50.00	$550.00
	3	$5.00	$55.00
Ref #48	**632E40200**	**SIGNAL CABLE, 2 CONDUCTOR, NO. 14 AWG, (3057 FT)**	
	Awd	$1.60	$4,891.20
	2	$2.00	$6,114.00
	3	$2.02	$6,175.14
Ref #49	**632E40500**	**SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG, (3101 FT)**	
	Awd	$2.70	$8,372.70
	2	$2.60	$8,062.60
	3	$2.39	$7,411.39
Ref #50	**632E40700**	**SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG, (3028 FT)**	
	Awd	$3.40	$10,295.20
	2	$2.80	$8,478.40
	3	$2.81	$8,508.68
Ref #51	**632E64010**	**SIGNAL SUPPORT FOUNDATION, (7 EACH)**	
	Awd	$7,610.00	$53,270.00
	2	$7,500.00	$52,500.00
	3	$7,745.00	$54,215.00
Ref #52	**632E64020**	**PEDESTAL FOUNDATION, (11 EACH)**	
	Awd	$675.00	$7,425.00
	2	$875.00	$9,625.00
	3	$1,295.00	$14,245.00
Ref #53	**632E64950**	**TEST HOLE PERFORMED, (1 EACH)**	
	Awd	$1,900.00	$1,900.00
	2	$85.00	$85.00
	3	$355.00	$355.00
Ref #54	**632E68300**	**POWER CABLE, 3 CONDUCTOR, NO. 6 AWG, (211 FT)**	
	Awd	$6.60	$1,392.60
	2	$8.00	$1,688.00
	3	$8.50	$1,793.50
Ref #55	**632E69800**	**SERVICE CABLE, 3 CONDUCTOR, NO. 6 AWG, (320 FT)**	
	Awd	$7.00	$2,240.00
	2	$8.00	$2,560.00
	3	$8.95	$2,864.00
Ref #56	**632E70001**	**POWER SERVICE, AS PER PLAN, (3 EACH)**	
	Awd	$3,890.00	$11,670.00
	2	$6,300.00	$18,900.00
	3	$4,545.00	$13,635.00

Ref #57	**632E70400**	**CONDUIT RISER, 2" DIAMETER, (3 EACH)**	
	Awd	$1,042.00	$3,126.00
	2	$400.00	$1,200.00
	3	$655.00	$1,965.00
Ref #58	**632E71240**	**SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 6 POLE, WITH , (1 EACH)**	
	Awd	$16,934.00	$16,934.00
	2	$17,500.00	$17,500.00
	3	$16,910.00	$16,910.00
Ref #59	**632E71368**	**SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 10 POLE, WITH, (1 EACH)**	
	Awd	$30,960.00	$30,960.00
	2	$30,000.00	$30,000.00
	3	$28,665.00	$28,665.00
Ref #60	**632E78121**	**COMBINATION SIGNAL SUPPORT, TYPE TC-12.31, DESIGN , (1 EACH)**	
	Awd	$28,698.00	$28,698.00
	2	$26,000.00	$26,000.00
	3	$26,995.00	$26,995.00
Ref #61	**632E79110**	**COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN , (1 EACH)**	
	Awd	$13,000.00	$13,000.00
	2	$14,000.00	$14,000.00
	3	$12,875.00	$12,875.00
Ref #62	**632E79130**	**COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN , (1 EACH)**	
	Awd	$13,500.00	$13,500.00
	2	$14,250.00	$14,250.00
	3	$13,805.00	$13,805.00
Ref #63	**632E79140**	**COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN , (2 EACH)**	
	Awd	$17,600.00	$35,200.00
	2	$18,000.00	$36,000.00
	3	$17,325.00	$34,650.00
Ref #64	**632E89300**	**WOOD POLE, (1 EACH)**	
	Awd	$950.00	$950.00
	2	$2,000.00	$2,000.00
	3	$1,720.00	$1,720.00
Ref #65	**632E89900**	**PEDESTAL, 8', TRANSFORMER BASE, (11 EACH)**	
	Awd	$1,324.00	$14,564.00
	2	$1,400.00	$15,400.00
	3	$1,675.00	$18,425.00
Ref #66	**632E90100**	**REMOVAL OF TRAFFIC SIGNAL INSTALLATION, (4 EACH)**	
	Awd	$1,600.00	$6,400.00
	2	$1,600.00	$6,400.00
	3	$4,285.00	$17,140.00
Ref #67	**633E65511**	**CABINET, TYPE TS-2, AS PER PLAN, (2 EACH)**	
	Awd	$15,137.00	$30,274.00
	2	$12,000.00	$24,000.00
	3	$11,615.00	$23,230.00
Ref #68	**633E65511**	**CABINET, TYPE TS-2, AS PER PLAN (RIC US 42 & GRACE, (1 EACH)**	
	Awd	$15,137.00	$15,137.00
	2	$15,400.00	$15,400.00
	3	$14,810.00	$14,810.00

Ref #69	**633E67100**	**CABINET FOUNDATION, (3 EACH)**	
	Awd	$975.00	$2,925.00
	2	$3,100.00	$9,300.00
	3	$3,145.00	$9,435.00
Ref #70	**633E67200**	**CONTROLLER WORK PAD, (3 EACH)**	
	Awd	$230.00	$690.00
	2	$650.00	$1,950.00
	3	$280.00	$840.00
Ref #71	**633E68511**	**COMMUNICATIONS, AS PER PLAN, (2 EACH)**	
	Awd	$2,466.00	$4,932.00
	2	$1,800.00	$3,600.00
	3	$1,725.00	$3,450.00
Ref #72	**633E75000**	**UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, (3 EACH)**	
	Awd	$6,200.00	$18,600.00
	2	$7,000.00	$21,000.00
	3	$6,475.00	$19,425.00
Ref #73	**809E69001**	**ADVANCE RADAR DETECTION, AS PER PLAN, (6 EACH)**	
	Awd	$7,184.00	$43,104.00
	2	$8,200.00	$49,200.00
	3	$7,705.00	$46,230.00
Ref #74	**809E69101**	**STOP LINE RADAR DETECTION, AS PER PLAN, (6 EACH)**	
	Awd	$7,226.00	$43,356.00
	2	$7,800.00	$46,800.00
	3	$9,225.00	$55,350.00
Ref #75	**809E69123**	**ATC CONTROLLER, AS PER PLAN (RIC US 42 & GRACE ST, (1 EACH)**	
	Awd	$5,289.00	$5,289.00
	2	$5,400.00	$5,400.00
	3	$4,285.00	$4,285.00
Ref #76	**809E69123**	**ATC CONTROLLER, AS PER PLAN (PROGRAM & INSTALL ONL, (2 EACH)**	
	Awd	$640.00	$1,280.00
	2	$800.00	$1,600.00
	3	$250.00	$500.00
Ref #77	**809E69200**	**EMERGENCY VEHICLE PREEMPTION, (1 EACH)**	
	Awd	$676.00	$676.00
	2	$800.00	$800.00
	3	$500.00	$500.00
Ref #78	**809E69210**	**PREEMPT RECEIVING UNIT, (4 EACH)**	
	Awd	$875.00	$3,500.00
	2	$1,200.00	$4,800.00
	3	$775.00	$3,100.00
Ref #79	**809E69220**	**PREEMPT DETECTOR CABLE, (139 FT)**	
	Awd	$3.70	$514.30
	2	$4.00	$556.00
	3	$3.90	$542.10
Ref #80	**809E69230**	**PREEMPT PHASE SELECTOR, (1 EACH)**	
	Awd	$3,527.76	$3,527.76
	2	$4,300.00	$4,300.00
	3	$2,890.00	$2,890.00

Ref #81	**809E69240**	**PREEMPT CONFIRMATION LIGHT, (1 EACH)**	
	Awd	$1,095.00	$1,095.00
	2	$675.00	$675.00
	3	$965.00	$965.00
Ref #82	**816E30000**	**VIDEO DETECTION SYSTEM (ADVANCED/STOP BAR), (1 EACH)**	
	Awd	$25,905.00	$25,905.00
	2	$26,000.00	$26,000.00
	3	$24,560.00	$24,560.00
Ref #83	**816E30100**	**TRAINING FOR VIDEO DETECTION SYSTEM, (LUMP SUM)**	
	Awd	$1,631.00	$1,631.00
	2	$1,000.00	$1,000.00
	3	$1,290.00	$1,290.00

Section 4 - TRAFFIC SIGNALS - Totals

Awd	**$645,100.56**
2	**$663,139.00**
3	**$674,841.91**

Ref #84	**614E11110**	**LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSIST, (70 HOUR)**	
	Awd	$90.00	$6,300.00
	2	$75.00	$5,250.00
	3	$35.00	$2,450.00

Section 5 - MAINTENANCE OF TRAFFIC - Totals

Awd	**$6,300.00**
2	**$5,250.00**
3	**$2,450.00**

Ref #85	**103E05000**	**PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYM, (LUMP SUM)**	
	Awd	$2,500.00	$2,500.00
	2	$7,795.90	$7,795.90
	3	$11,476.39	$11,476.39
Ref #86	**614E11000**	**MAINTAINING TRAFFIC, (LUMP SUM)**	
	Awd	$4,888.00	$4,888.00
	2	$12,880.00	$12,880.00
	3	$6,000.00	$6,000.00
Ref #87	**623E10000**	**CONSTRUCTION LAYOUT STAKES AND SURVEYING, (LUMP SUM)**	
	Awd	$3,500.00	$3,500.00
	2	$7,000.00	$7,000.00
	3	$3,000.00	$3,000.00
Ref #88	**624E10000**	**MOBILIZATION, (LUMP SUM)**	
	Awd	$20,000.00	$20,000.00
	2	$20,000.00	$20,000.00
	3	$20,000.00	$20,000.00

Section 6 - INCIDENTALS - Totals

Awd	**$30,888.00**
2	**$47,675.90**
3	**$40,476.39**