Ohio Department of Transportation
Official Bid Tabulation
Pamela Boratyn, Director

Project No. 250343
PID 108943
CUY-Mayfield Hts Signals
Federal
Type: SIGNALIZATION
Letting Date: 7/17/2025
Completion Date: 7/1/2026

Contract Awarded To: PERRAM ELECTRIC INC
Award Amount: $2,250,650.00

Engineer's Estimate:

Bidder 1
PERRAM ELECTRIC INC
6882 RIDGE RD
Medina
WADSWORTH, OH 44281
Bid $2,250,650.00

Bidder 2
RUHLIN COMPANY
P O BOX 190
Medina
SHARON CENTER, OH 44274
Bid $2,477,097.12

Bidder 3
MILLER CABLE COMPANY
210 S BROADWAY ST P O BOX 68
Seneca
GREEN SPRINGS, OH 44836
Bid $3,212,096.70

Bidder 4
ASPLUNDH CONSTRUCTION LLC
481 SCHROCK RD
Franklin
COLUMBUS, OH 43229
Bid $3,470,652.44

Ref #1	**202E30001**	**WALK REMOVED, AS PER PLAN, (1000 SF)**	
	Awd	$6.35	$6,350.00
	2	$6.50	$6,500.00
	3	$6.50	$6,500.00
	4	$46.00	$46,000.00
Ref #2	**608E10000**	**4" CONCRETE WALK, (1000 SF)**	
	Awd	$18.00	$18,000.00
	2	$22.00	$22,000.00
	3	$18.00	$18,000.00
	4	$28.00	$28,000.00
Ref #3	**608E52000**	**CURB RAMP, (150 SF)**	
	Awd	$18.00	$2,700.00
	2	$30.00	$4,500.00
	3	$18.00	$2,700.00
	4	$44.00	$6,600.00
Ref #4	**608E53020**	**DETECTABLE WARNING, (32 SF)**	
	Awd	$35.00	$1,120.00
	2	$60.00	$1,920.00
	3	$35.00	$1,120.00
	4	$83.00	$2,656.00

Section 1 - ROADWAY - Totals

Awd	**$28,170.00**
2	**$34,920.00**
3	**$28,320.00**
4	**$83,256.00**

Ref #5	**659E10000**	**SEEDING AND MULCHING, (100 SY)**	
	Awd	$12.00	$1,200.00
	2	$50.00	$5,000.00
	3	$12.00	$1,200.00
	4	$1.80	$180.00
Ref #6	**832E30000**	**EROSION CONTROL, (5000 EACH)**	
	Awd	$1.00	$5,000.00
	2	$1.00	$5,000.00
	3	$1.00	$5,000.00
	4	$1.00	$5,000.00

Section 2 - EROSION CONTROL - Totals

Awd	**$6,200.00**
2	**$10,000.00**
3	**$6,200.00**
4	**$5,180.00**

Ref #7	**630E79100**	**SIGN HANGER ASSEMBLY, MAST ARM, (5 EACH)**	
	Awd	$287.00	$1,435.00
	2	$420.00	$2,100.00
	3	$835.00	$4,175.00
	4	$296.00	$1,480.00

Ref #8	**630E80100**	**SIGN, FLAT SHEET, (8 SF)**	
	Awd	$25.45	$203.60
	2	$45.00	$360.00
	3	$2.50	$20.00
	4	$6.70	$53.60
Ref #9	**630E87100**	**REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTION, (4 EACH)**	
	Awd	$285.00	$1,140.00
	2	$240.00	$960.00
	3	$345.00	$1,380.00
	4	$144.00	$576.00

Section 3 - TRAFFIC CONTROL - Totals

Awd	**$2,778.60**
2	**$3,420.00**
3	**$5,575.00**
4	**$2,109.60**

Ref #10	**625E25410**	**CONDUIT, 2", 725.052, (1000 FT)**	
	Awd	$8.90	$8,900.00
	2	$7.16	$7,160.00
	3	$14.00	$14,000.00
	4	$3.70	$3,700.00
Ref #11	**625E25606**	**CONDUIT, 4", 725.052, (38 FT)**	
	Awd	$17.10	$649.80
	2	$15.00	$570.00
	3	$28.00	$1,064.00
	4	$7.30	$277.40
Ref #12	**625E25900**	**CONDUIT, JACKED OR DRILLED , 3" DIA., (1054 FT)**	
	Awd	$48.00	$50,592.00
	2	$42.00	$44,268.00
	3	$48.00	$50,592.00
	4	$50.00	$52,700.00
Ref #13	**625E29000**	**TRENCH, (1038 FT)**	
	Awd	$14.00	$14,532.00
	2	$10.00	$10,380.00
	3	$13.00	$13,494.00
	4	$15.00	$15,570.00
Ref #14	**625E30700**	**PULL BOX, 725.08, 18", (14 EACH)**	
	Awd	$1,313.00	$18,382.00
	2	$1,332.00	$18,648.00
	3	$900.00	$12,600.00
	4	$647.00	$9,058.00
Ref #15	**625E30706**	**PULL BOX, 725.08, 24", (3 EACH)**	
	Awd	$1,505.00	$4,515.00
	2	$1,464.00	$4,392.00
	3	$1,000.00	$3,000.00
	4	$647.00	$1,941.00
Ref #16	**625E32000**	**GROUND ROD, (26 EACH)**	
	Awd	$319.00	$8,294.00
	2	$290.00	$7,540.00
	3	$250.00	$6,500.00
	4	$412.00	$10,712.00

Ref #17	**625E36010**	**UNDERGROUND WARNING/MARKING TAPE, (1038 FT)**	
	Awd	$1.45	$1,505.10
	2	$2.00	$2,076.00
	3	$2.00	$2,076.00
	4	$0.18	$186.84
Ref #18	**625E76000**	**ARC FLASH CALCULATIONS AND LABEL, VARIOUS LOCATION, (17 EACH)**	
	Awd	$1,500.00	$25,500.00
	2	$500.00	$8,500.00
	3	$39,950.00	$679,150.00
	4	$1,650.00	$28,050.00
Ref #19	**632E05007**	**VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS,, (134 EACH)**	
	Awd	$948.00	$127,032.00
	2	$1,175.00	$157,450.00
	3	$1,400.00	$187,600.00
	4	$1,266.00	$169,644.00
Ref #20	**632E05065**	**VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS,, (14 EACH)**	
	Awd	$1,102.00	$15,428.00
	2	$1,450.00	$20,300.00
	3	$1,625.00	$22,750.00
	4	$1,494.00	$20,916.00
Ref #21	**632E05087**	**VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS,, (29 EACH)**	
	Awd	$1,753.00	$50,837.00
	2	$2,050.00	$59,450.00
	3	$2,250.00	$65,250.00
	4	$2,122.00	$61,538.00
Ref #22	**632E20731**	**PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, , (112 EACH)**	
	Awd	$565.00	$63,280.00
	2	$795.00	$89,040.00
	3	$800.00	$89,600.00
	4	$709.00	$79,408.00
Ref #23	**632E25000**	**COVERING OF VEHICULAR SIGNAL HEAD, (40 EACH)**	
	Awd	$10.00	$400.00
	2	$45.00	$1,800.00
	3	$40.00	$1,600.00
	4	$121.00	$4,840.00
Ref #24	**632E26001**	**PEDESTRIAN PUSHBUTTON, AS PER PLAN, (112 EACH)**	
	Awd	$306.00	$34,272.00
	2	$250.00	$28,000.00
	3	$250.00	$28,000.00
	4	$260.00	$29,120.00
Ref #25	**632E26500**	**DETECTOR LOOP, (8 EACH)**	
	Awd	$2,240.00	$17,920.00
	2	$1,800.00	$14,400.00
	3	$1,200.00	$9,600.00
	4	$3,850.00	$30,800.00
Ref #26	**632E27102**	**LOOP DETECTOR UNIT, 2 CHANNEL, (8 EACH)**	
	Awd	$170.00	$1,360.00
	2	$235.00	$1,880.00
	3	$150.00	$1,200.00
	4	$214.00	$1,712.00

Ref #27	**632E27201**	**LOOP DETECTOR TIE IN, AS PER PLAN, (10 EACH)**	
	Awd	$180.00	$1,800.00
	2	$170.00	$1,700.00
	3	$75.00	$750.00
	4	$117.00	$1,170.00
Ref #28	**632E40500**	**SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG, (10947 FT)**	
	Awd	$2.55	$27,914.85
	2	$3.00	$32,841.00
	3	$3.00	$32,841.00
	4	$1.40	$15,325.80
Ref #29	**632E40700**	**SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG, (1396 FT)**	
	Awd	$2.90	$4,048.40
	2	$4.20	$5,863.20
	3	$3.20	$4,467.20
	4	$1.40	$1,954.40
Ref #30	**632E40900**	**SIGNAL CABLE, 9 CONDUCTOR, NO. 14 AWG, (70 FT)**	
	Awd	$3.00	$210.00
	2	$5.60	$392.00
	3	$3.80	$266.00
	4	$2.60	$182.00
Ref #31	**632E64010**	**SIGNAL SUPPORT FOUNDATION, (13 EACH)**	
	Awd	$6,660.00	$86,580.00
	2	$8,975.00	$116,675.00
	3	$8,400.00	$109,200.00
	4	$5,093.00	$66,209.00
Ref #32	**632E64020**	**PEDESTAL FOUNDATION, (10 EACH)**	
	Awd	$1,185.00	$11,850.00
	2	$920.00	$9,200.00
	3	$1,250.00	$12,500.00
	4	$1,364.00	$13,640.00
Ref #33	**632E64950**	**TEST HOLE PERFORMED, (4 EACH)**	
	Awd	$400.00	$1,600.00
	2	$600.00	$2,400.00
	3	$350.00	$1,400.00
	4	$1,949.00	$7,796.00
Ref #34	**632E65200**	**LOOP DETECTOR LEAD-IN CABLE, (2124 FT)**	
	Awd	$2.05	$4,354.20
	2	$2.40	$5,097.60
	3	$1.25	$2,655.00
	4	$2.00	$4,248.00
Ref #35	**632E68300**	**POWER CABLE, 3 CONDUCTOR, NO. 6 AWG, (140 FT)**	
	Awd	$7.45	$1,043.00
	2	$8.00	$1,120.00
	3	$6.00	$840.00
	4	$6.30	$882.00
Ref #36	**632E70001**	**POWER SERVICE, AS PER PLAN, (3 EACH)**	
	Awd	$2,995.00	$8,985.00
	2	$5,631.00	$16,893.00
	3	$1,950.00	$5,850.00
	4	$2,847.00	$8,541.00

Ref #37	**632E71349**	**SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 10 POLE, WITH, (1 EACH)**	
	Awd	$23,420.00	$23,420.00
	2	$26,994.00	$26,994.00
	3	$26,300.00	$26,300.00
	4	$41,758.00	$41,758.00
Ref #38	**632E72111**	**SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 4, AS PER PL, (3 EACH)**	
	Awd	$10,420.00	$31,260.00
	2	$12,060.00	$36,180.00
	3	$11,200.00	$33,600.00
	4	$14,521.00	$43,563.00
Ref #39	**632E72131**	**SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER P, (6 EACH)**	
	Awd	$12,985.00	$77,910.00
	2	$14,250.00	$85,500.00
	3	$14,300.00	$85,800.00
	4	$18,319.00	$109,914.00
Ref #40	**632E72141**	**SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13, AS PER P, (3 EACH)**	
	Awd	$15,565.00	$46,695.00
	2	$17,080.00	$51,240.00
	3	$17,300.00	$51,900.00
	4	$21,997.00	$65,991.00
Ref #41	**632E77233**	**SIGNAL SUPPORT, MECHANICAL DAMPER FOR TC-81.22 MAS, (2 EACH)**	
	Awd	$1,680.00	$3,360.00
	2	$1,200.00	$2,400.00
	3	$6,500.00	$13,000.00
	4	$543.00	$1,086.00
Ref #42	**632E89901**	**PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN, (10 EACH)**	
	Awd	$912.00	$9,120.00
	2	$1,050.00	$10,500.00
	3	$975.00	$9,750.00
	4	$779.00	$7,790.00
Ref #43	**632E90020**	**REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, REMO, (92 EACH)**	
	Awd	$19.45	$1,789.40
	2	$50.00	$4,600.00
	3	$50.00	$4,600.00
	4	$22.00	$2,024.00
Ref #44	**632E90020**	**REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, REMO, (92 EACH)**	
	Awd	$50.00	$4,600.00
	2	$30.00	$2,760.00
	3	$100.00	$9,200.00
	4	$36.00	$3,312.00
Ref #45	**632E90020**	**REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, REMO, (2 EACH)**	
	Awd	$1,195.00	$2,390.00
	2	$690.00	$1,380.00
	3	$1,000.00	$2,000.00
	4	$607.00	$1,214.00
Ref #46	**632E90020**	**REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, REMO, (147 EACH)**	
	Awd	$50.00	$7,350.00
	2	$60.00	$8,820.00
	3	$100.00	$14,700.00
	4	$36.00	$5,292.00

Ref #47	**632E90101**	**REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLA, (3 EACH)**	
	Awd	$1,895.00	$5,685.00
	2	$3,500.00	$10,500.00
	3	$4,500.00	$13,500.00
	4	$3,974.00	$11,922.00
Ref #48	**633E65511**	**CABINET, TYPE TS-2, AS PER PLAN, (17 EACH)**	
	Awd	$18,075.00	$307,275.00
	2	$19,364.00	$329,188.00
	3	$20,200.00	$343,400.00
	4	$20,331.00	$345,627.00
Ref #49	**633E67101**	**CABINET FOUNDATION, AS PER PLAN, (3 EACH)**	
	Awd	$3,350.00	$10,050.00
	2	$1,700.00	$5,100.00
	3	$2,900.00	$8,700.00
	4	$2,666.00	$7,998.00
Ref #50	**633E67201**	**CONTROLLER WORK PAD, AS PER PLAN, (3 EACH)**	
	Awd	$320.00	$960.00
	2	$320.00	$960.00
	3	$600.00	$1,800.00
	4	$5,824.00	$17,472.00
Ref #51	**633E75001**	**UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS , (17 EACH)**	
	Awd	$5,720.00	$97,240.00
	2	$6,350.00	$107,950.00
	3	$6,600.00	$112,200.00
	4	$6,342.00	$107,814.00
Ref #52	**633E99000**	**CONTROLLER ITEM, MISC.: MODIFY CABINET FOUNDATION, (10 EACH)**	
	Awd	$2,115.00	$21,150.00
	2	$1,020.00	$10,200.00
	3	$2,250.00	$22,500.00
	4	$1,304.00	$13,040.00
Ref #53	**633E99000**	**CONTROLLER ITEM, MISC.: MODIFY WORK PAD, (10 EACH)**	
	Awd	$578.00	$5,780.00
	2	$340.00	$3,400.00
	3	$1,850.00	$18,500.00
	4	$431.00	$4,310.00
Ref #54	**633E99000**	**CONTROLLER ITEM, MISC.: REMOVE EXISTING CONTROLLER, (14 EACH)**	
	Awd	$100.00	$1,400.00
	2	$375.00	$5,250.00
	3	$200.00	$2,800.00
	4	$72.00	$1,008.00
Ref #55	**633E99300**	**CONTROLLER ITEM, MISC.: VIDEO MONITORING EQUIPMENT, (LUMP SUM)**	
	Awd	$43,750.00	$43,750.00
	2	$55,610.00	$55,610.00
	3	$55,000.00	$55,000.00
	4	$56,799.00	$56,799.00
Ref #56	**804E15010**	**FIBER OPTIC CABLE, 24 FIBER, (8819 FT)**	
	Awd	$6.55	$57,764.45
	2	$4.00	$35,276.00
	3	$5.50	$48,504.50
	4	$6.10	$53,795.90

Ref #57	**804E20240**	**FIBER OPTIC CABLE, ARMORED, INTEGRAL MESSENGER, 24, (3277 FT)**	
	Awd	$8.30	$27,199.10
	2	$5.50	$18,023.50
	3	$5.00	$16,385.00
	4	$5.50	$18,023.50
Ref #58	**804E30010**	**FAN-OUT KIT, 12 FIBER, (17 EACH)**	
	Awd	$50.00	$850.00
	2	$200.00	$3,400.00
	3	$150.00	$2,550.00
	4	$429.00	$7,293.00
Ref #59	**804E32010**	**DROP CABLE, 12 FIBER, (692 EACH)**	
	Awd	$5.50	$3,806.00
	2	$3.00	$2,076.00
	3	$2.50	$1,730.00
	4	$1,270.00	$878,840.00
Ref #60	**804E33990**	**FIBER OPTIC PATCH CORD, 1 FIBER, (68 EACH)**	
	Awd	$16.00	$1,088.00
	2	$11.00	$748.00
	3	$50.00	$3,400.00
	4	$17.00	$1,156.00
Ref #61	**804E34012**	**FIBER TERMINATION PANEL, 12 FIBER, (17 EACH)**	
	Awd	$2,540.00	$43,180.00
	2	$1,250.00	$21,250.00
	3	$1,500.00	$25,500.00
	4	$1,787.00	$30,379.00
Ref #62	**804E35000**	**FUSION SPLICE, (310 EACH)**	
	Awd	$69.00	$21,390.00
	2	$65.00	$20,150.00
	3	$30.00	$9,300.00
	4	$81.00	$25,110.00
Ref #63	**804E37000**	**SPLICE ENCLOSURE, BUTT STYLE, (17 EACH)**	
	Awd	$915.00	$15,555.00
	2	$2,250.00	$38,250.00
	3	$1,500.00	$25,500.00
	4	$3,300.00	$56,100.00
Ref #64	**804E98100**	**FIBER OPTIC CABLE, MISC.: FIBER OPTIC MEDIA CONVER, (17 EACH)**	
	Awd	$2,425.00	$41,225.00
	2	$1,750.00	$29,750.00
	3	$2,900.00	$49,300.00
	4	$825.00	$14,025.00
Ref #65	**809E60001**	**CCTV IP-CAMERA SYSTEM, PTZ, AS PER PLAN, (5 EACH)**	
	Awd	$6,200.00	$31,000.00
	2	$6,965.00	$34,825.00
	3	$7,000.00	$35,000.00
	4	$5,623.00	$28,115.00
Ref #66	**809E66010**	**CENTRALLY CONTROLLED ARTERIAL TRAFFIC SIGNAL SYSTE, (1 EACH)**	
	Awd	$234,065.00	$234,065.00
	2	$285,000.00	$285,000.00
	3	$292,000.00	$292,000.00
	4	$279,469.00	$279,469.00

Ref #67	**809E69101**	**STOP LINE RADAR DETECTION, AS PER PLAN, (2 EACH)**	
	Awd	$8,245.00	$16,490.00
	2	$9,250.00	$18,500.00
	3	$9,700.00	$19,400.00
	4	$10,775.00	$21,550.00
Ref #68	**809E69123**	**ATC CONTROLLER, AS PER PLAN, (17 EACH)**	
	Awd	$5,200.00	$88,400.00
	2	$6,500.00	$110,500.00
	3	$6,500.00	$110,500.00
	4	$6,229.00	$105,893.00
Ref #69	**809E69201**	**EMERGENCY VEHICLE PREEMPTION, AS PER PLAN, (4 EACH)**	
	Awd	$550.00	$2,200.00
	2	$800.00	$3,200.00
	3	$750.00	$3,000.00
	4	$2,196.00	$8,784.00
Ref #70	**809E69211**	**PREEMPT RECEIVING UNIT, AS PER PLAN, (16 EACH)**	
	Awd	$790.00	$12,640.00
	2	$800.00	$12,800.00
	3	$1,050.00	$16,800.00
	4	$137.00	$2,192.00
Ref #71	**809E69221**	**PREEMPT DETECTOR CABLE, AS PER PLAN, (2879 FT)**	
	Awd	$2.50	$7,197.50
	2	$2.50	$7,197.50
	3	$3.00	$8,637.00
	4	$4.00	$11,516.00
Ref #72	**809E69231**	**PREEMPT PHASE SELECTOR, AS PER PLAN, (17 EACH)**	
	Awd	$3,615.00	$61,455.00
	2	$4,520.00	$76,840.00
	3	$4,300.00	$73,100.00
	4	$274.00	$4,658.00
Ref #73	**809E69241**	**PREEMPT CONFIRMATION LIGHT, AS PER PLAN, (16 EACH)**	
	Awd	$464.00	$7,424.00
	2	$525.00	$8,400.00
	3	$675.00	$10,800.00
	4	$137.00	$2,192.00
Ref #74	**824E00011**	**SYSTEM ANALYSIS, AS PER PLAN, (LUMP SUM)**	
	Awd	$89,125.00	$89,125.00
	2	$84,000.00	$84,000.00
	3	$77,500.00	$77,500.00
	4	$106,562.00	$106,562.00

Section 4 - TRAFFIC SIGNALS - Totals

Awd	**$2,055,022.80**
2	**$2,236,753.80**
3	**$3,017,001.70**
4	**$3,143,708.84**

Ref #75	**614E11110**	**LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSIST, (240 HOUR)**	
	Awd	$75.00	$18,000.00
	2	$95.00	$22,800.00
	3	$75.00	$18,000.00
	4	$94.00	$22,560.00

Section 5 - MAINTENANCE OF TRAFFIC - Totals

Awd	**$18,000.00**
2	**$22,800.00**
3	**$18,000.00**
4	**$22,560.00**

Ref #76	**103E05000**	**PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYM, (LUMP SUM)**	
	Awd	$30,698.60	$30,698.60
	2	$11,589.32	$11,589.32
	3	$13,500.00	$13,500.00
	4	$19,800.00	$19,800.00
Ref #77	**614E11000**	**MAINTAINING TRAFFIC, (LUMP SUM)**	
	Awd	$9,780.00	$9,780.00
	2	$37,614.00	$37,614.00
	3	$23,500.00	$23,500.00
	4	$126,683.00	$126,683.00
Ref #78	**624E10000**	**MOBILIZATION, (LUMP SUM)**	
	Awd	$100,000.00	$100,000.00
	2	$120,000.00	$120,000.00
	3	$100,000.00	$100,000.00
	4	$67,355.00	$67,355.00

Section 6 - INCIDENTALS - Totals

Awd	**$140,478.60**
2	**$169,203.32**
3	**$137,000.00**
4	**$213,838.00**