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

Project No. 220087
PID 112063
CUY-IR 90-03.56 WB Interchange
Federal
Type: INTERCHANGE
Letting Date: 2/17/2022
Completion Date: 10/15/2022

Contract Awarded To: RUHLIN COMPANY
Award Amount: $4,338,042.76

Engineer's Estimate: $3,717,000.00

Bidder 1
RUHLIN COMPANY
P O BOX 190
Medina
SHARON CENTER, OH 44274
Bid $4,338,042.76

Bidder 2
KARVO COMPANIES INC
4524 HUDSON DR

STOW, OH 44224-1702
Bid $4,848,678.29

Ref #1	**201E11000**	**CLEARING AND GRUBBING, (LUMP SUM)**	
	Awd	$64,650.00	$64,650.00
	2	$10,000.00	$10,000.00
Ref #2	**202E20010**	**HEADWALL REMOVED, (3 EACH)**	
	Awd	$141.00	$423.00
	2	$400.00	$1,200.00
Ref #3	**202E23000**	**PAVEMENT REMOVED, (10438 SY)**	
	Awd	$9.00	$93,942.00
	2	$15.00	$156,570.00
Ref #4	**202E23500**	**WEARING COURSE REMOVED, (11970 SY)**	
	Awd	$8.00	$95,760.00
	2	$6.00	$71,820.00
Ref #5	**202E30000**	**WALK REMOVED, (960 SF)**	
	Awd	$1.50	$1,440.00
	2	$1.75	$1,680.00
Ref #6	**202E30600**	**CONCRETE MEDIAN REMOVED, (407 SY)**	
	Awd	$30.00	$12,210.00
	2	$22.00	$8,954.00
Ref #7	**202E32000**	**CURB REMOVED, (2050 FT)**	
	Awd	$2.00	$4,100.00
	2	$6.00	$12,300.00
Ref #8	**202E35100**	**PIPE REMOVED, 24" AND UNDER, (261 FT)**	
	Awd	$9.25	$2,414.25
	2	$90.00	$23,490.00
Ref #9	**202E38000**	**GUARDRAIL REMOVED, (1076 FT)**	
	Awd	$2.00	$2,152.00
	2	$2.00	$2,152.00
Ref #10	**202E42010**	**ANCHOR ASSEMBLY REMOVED, TYPE E, (2 EACH)**	
	Awd	$170.00	$340.00
	2	$170.00	$340.00
Ref #11	**202E58000**	**MANHOLE REMOVED, (1 EACH)**	
	Awd	$275.00	$275.00
	2	$1,000.00	$1,000.00
Ref #12	**202E58300**	**CATCH BASIN OR INLET REMOVED, (5 EACH)**	
	Awd	$400.00	$2,000.00
	2	$460.00	$2,300.00
Ref #13	**203E10000**	**EXCAVATION, (3653 CY)**	
	Awd	$14.96	$54,648.88
	2	$22.00	$80,366.00
Ref #14	**203E20000**	**EMBANKMENT, (4518 CY)**	
	Awd	$10.97	$49,562.46
	2	$14.00	$63,252.00
Ref #15	**204E10000**	**SUBGRADE COMPACTION, (13089 SY)**	
	Awd	$2.00	$26,178.00
	2	$0.50	$6,544.50
Ref #16	**204E13000**	**EXCAVATION OF SUBGRADE, (1962 CY)**	
	Awd	$17.50	$34,335.00
	2	$35.00	$68,670.00

Ref #17	**204E30010**	**GRANULAR MATERIAL, TYPE B, (1962 CY)**	
	Awd	$40.20	$78,872.40
	2	$60.00	$117,720.00
Ref #18	**204E45000**	**PROOF ROLLING, (7 HOUR)**	
	Awd	$275.00	$1,925.00
	2	$225.00	$1,575.00
Ref #19	**204E50000**	**GEOTEXTILE FABRIC, (5887 SY)**	
	Awd	$1.00	$5,887.00
	2	$1.15	$6,770.05
Ref #20	**204E51000**	**GEOGRID, (5887 SY)**	
	Awd	$1.16	$6,828.92
	2	$2.50	$14,717.50
Ref #21	**209E15001**	**RESHAPING UNDER GUARDRAIL, AS PER PLAN, (14 STA)**	
	Awd	$182.00	$2,548.00
	2	$120.00	$1,680.00
Ref #22	**209E60201**	**LINEAR GRADING, AS PER PLAN, (12 STA)**	
	Awd	$676.49	$8,117.88
	2	$450.00	$5,400.00
Ref #23	**606E15050**	**GUARDRAIL, TYPE MGS, (1337.5 FT)**	
	Awd	$21.60	$28,890.00
	2	$21.60	$28,890.00
Ref #24	**606E26150**	**ANCHOR ASSEMBLY, MGS TYPE E(MASH 2016), (1 EACH)**	
	Awd	$2,975.00	$2,975.00
	2	$2,975.00	$2,975.00
Ref #25	**606E35002**	**MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, (1 EACH)**	
	Awd	$2,785.00	$2,785.00
	2	$2,785.00	$2,785.00
Ref #26	**607E30001**	**FENCE, SNOW, AS PER PLAN, (1168 FT)**	
	Awd	$6.75	$7,884.00
	2	$6.75	$7,884.00
Ref #27	**608E10001**	**4" CONCRETE WALK, AS PER PLAN, (1408 SF)**	
	Awd	$6.50	$9,152.00
	2	$7.00	$9,856.00
Ref #28	**608E52000**	**CURB RAMP, (383 SF)**	
	Awd	$20.00	$7,660.00
	2	$22.00	$8,426.00
Ref #29	**623E39500**	**MONUMENT BOX ADJUSTED TO GRADE, (2 EACH)**	
	Awd	$1,205.00	$2,410.00
	2	$1,100.00	$2,200.00

Section 1 - ROADWAY - Totals

Awd	**$610,365.79**
2	**$721,517.05**

Ref #30	**601E32204**	**ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FA, (1 CY)**	
	Awd	$770.00	$770.00
	2	$370.00	$370.00

Ref #31	**659E00100**	**SOIL ANALYSIS TEST, (2 EACH)**	
	Awd	$100.00	$200.00
	2	$100.00	$200.00
Ref #32	**659E00300**	**TOPSOIL, (2546 CY)**	
	Awd	$43.00	$109,478.00
	2	$19.50	$49,647.00
Ref #33	**659E10000**	**SEEDING AND MULCHING, (17976 SY)**	
	Awd	$0.52	$9,347.52
	2	$0.52	$9,347.52
Ref #34	**659E14000**	**REPAIR SEEDING AND MULCHING, (925 SY)**	
	Awd	$1.00	$925.00
	2	$1.00	$925.00
Ref #35	**659E15000**	**INTER-SEEDING, (925 SY)**	
	Awd	$1.00	$925.00
	2	$0.10	$92.50
Ref #36	**659E20000**	**COMMERCIAL FERTILIZER, (2.58 TON)**	
	Awd	$1,000.00	$2,580.00
	2	$1,000.00	$2,580.00
Ref #37	**659E31000**	**LIME, (3.82 ACRE)**	
	Awd	$1.00	$3.82
	2	$1.00	$3.82
Ref #38	**659E35000**	**WATER, (100 MGAL)**	
	Awd	$1.00	$100.00
	2	$1.00	$100.00
Ref #39	**659E40000**	**MOWING, (42 MSF)**	
	Awd	$1.00	$42.00
	2	$1.00	$42.00
Ref #40	**670E00500**	**SLOPE EROSION PROTECTION, (2641 SY)**	
	Awd	$1.95	$5,149.95
	2	$1.95	$5,149.95
Ref #41	**832E15000**	**STORM WATER POLLUTION PREVENTION PLAN, (LUMP SUM)**	
	Awd	$2,100.00	$2,100.00
	2	$2,000.00	$2,000.00
Ref #42	**832E15002**	**STORM WATER POLLUTION PREVENTION INSPECTIONS, (LUMP SUM)**	
	Awd	$7,000.00	$7,000.00
	2	$7,500.00	$7,500.00
Ref #43	**832E15010**	**STORM WATER POLLUTION PREVENTION INSPECTION SOFTWA, (LUMP SUM)**	
	Awd	$8,888.00	$8,888.00
	2	$10,000.00	$10,000.00
Ref #44	**832E30000**	**EROSION CONTROL, (77950 EACH)**	
	Awd	$1.00	$77,950.00
	2	$1.00	$77,950.00

Section 2 - EROSION CONTROL - Totals

Awd	**$225,459.29**
2	**$165,907.79**

Ref #45	**601E21050**	**TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT, (24 SY)**	
	Awd	$118.00	$2,832.00
	2	$225.00	$5,400.00
Ref #46	**602E20000**	**CONCRETE MASONRY, (1.2 CY)**	
	Awd	$4,007.00	$4,808.40
	2	$3,300.00	$3,960.00
Ref #47	**605E11110**	**6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC, (4634 FT)**	
	Awd	$14.80	$68,583.20
	2	$15.00	$69,510.00
Ref #48	**605E13300**	**6" UNCLASSIFIED PIPE UNDERDRAINS, (100 FT)**	
	Awd	$15.00	$1,500.00
	2	$20.00	$2,000.00
Ref #49	**605E14020**	**6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC, (5384 FT)**	
	Awd	$15.00	$80,760.00
	2	$12.75	$68,646.00
Ref #50	**611E00510**	**6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS, (655 FT)**	
	Awd	$30.00	$19,650.00
	2	$18.00	$11,790.00
Ref #51	**611E01500**	**6" CONDUIT, TYPE F, (100 FT)**	
	Awd	$22.00	$2,200.00
	2	$22.00	$2,200.00
Ref #52	**611E05900**	**15" CONDUIT, TYPE B, (279 FT)**	
	Awd	$120.00	$33,480.00
	2	$160.00	$44,640.00
Ref #53	**611E06100**	**15" CONDUIT, TYPE C, (49 FT)**	
	Awd	$85.00	$4,165.00
	2	$170.00	$8,330.00
Ref #54	**611E06700**	**15" CONDUIT, TYPE F , 707.05 TYPE C or 707.21, (50 FT)**	
	Awd	$100.00	$5,000.00
	2	$260.00	$13,000.00
Ref #55	**611E10200**	**24" CONDUIT, TYPE A ,706.02, RCP, (52 FT)**	
	Awd	$505.00	$26,260.00
	2	$550.00	$28,600.00
Ref #56	**611E98150**	**CATCH BASIN, NO. 3, (1 EACH)**	
	Awd	$3,500.00	$3,500.00
	2	$6,000.00	$6,000.00
Ref #57	**611E98180**	**CATCH BASIN, NO. 3A, (5 EACH)**	
	Awd	$3,400.00	$17,000.00
	2	$5,125.00	$25,625.00
Ref #58	**611E98470**	**CATCH BASIN, NO. 2-2B, (1 EACH)**	
	Awd	$1,900.00	$1,900.00
	2	$1,800.00	$1,800.00
Ref #59	**611E98630**	**CATCH BASIN ADJUSTED TO GRADE, (1 EACH)**	
	Awd	$850.00	$850.00
	2	$1,350.00	$1,350.00
Ref #60	**611E99574**	**MANHOLE, NO. 3, (1 EACH)**	
	Awd	$5,500.00	$5,500.00
	2	$12,500.00	$12,500.00

Ref #61	**611E99710**	**PRECAST REINFORCED CONCRETE OUTLET, (12 EACH)**	
	Awd	$450.00	$5,400.00
	2	$425.00	$5,100.00
Ref #62	**611E99820**	**SPECIAL - MISCELLANEOUS METAL, (2000 LB)**	
	Awd	$1.85	$3,700.00
	2	$2.00	$4,000.00

Section 3 - DRAINAGE - Totals

Awd	**$287,088.60**
2	**$314,451.00**

Ref #63	**254E01000**	**PAVEMENT PLANING, ASPHALT CONCRETE , T=3", (11280 SY)**	
	Awd	$5.50	$62,040.00
	2	$4.00	$45,120.00
Ref #64	**254E01000**	**PAVEMENT PLANING, ASPHALT CONCRETE ,T=3.25", (6120 SY)**	
	Awd	$5.50	$33,660.00
	2	$3.00	$18,360.00
Ref #65	**304E20000**	**AGGREGATE BASE, (2302 CY)**	
	Awd	$60.00	$138,120.00
	2	$85.00	$195,670.00
Ref #66	**305E13020**	**9" CONCRETE BASE, CLASS QC 1P WITH QC/QA, (5272 SY)**	
	Awd	$80.00	$421,760.00
	2	$80.00	$421,760.00
Ref #67	**407E20000**	**NON-TRACKING TACK COAT, (2690 GAL)**	
	Awd	$3.15	$8,473.50
	2	$2.25	$6,052.50
Ref #68	**441E10101**	**ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), AS, (411 CY)**	
	Awd	$255.00	$104,805.00
	2	$275.00	$113,025.00
Ref #69	**441E10200**	**ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446, (273 CY)**	
	Awd	$170.00	$46,410.00
	2	$225.00	$61,425.00
Ref #70	**441E50701**	**ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448, (62 CY)**	
	Awd	$350.00	$21,700.00
	2	$560.00	$34,720.00
Ref #71	**442E10001**	**ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (, (213 CY)**	
	Awd	$265.00	$56,445.00
	2	$245.00	$52,185.00
Ref #72	**442E10100**	**ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE , (600 CY)**	
	Awd	$200.00	$120,000.00
	2	$200.00	$120,000.00
Ref #73	**442E20200**	**ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE , (28 CY)**	
	Awd	$200.00	$5,600.00
	2	$185.00	$5,180.00
Ref #74	**452E14020**	**10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P , (7418 SY)**	
	Awd	$83.00	$615,694.00
	2	$72.00	$534,096.00

Ref #75	**609E14000**	**CURB, TYPE 2-A, (88 FT)**	
	Awd	$11.00	$968.00
	2	$25.00	$2,200.00
Ref #76	**609E16000**	**CURB, TYPE 2-B, (1076 FT)**	
	Awd	$5.00	$5,380.00
	2	$25.00	$26,900.00
Ref #77	**609E26000**	**CURB, TYPE 6, (88 FT)**	
	Awd	$38.00	$3,344.00
	2	$30.00	$2,640.00
Ref #78	**609E71000**	**CONCRETE MEDIAN, (325 SF)**	
	Awd	$19.00	$6,175.00
	2	$20.00	$6,500.00
Ref #79	**609E71001**	**CONCRETE MEDIAN, AS PER PLAN A, (3893 SF)**	
	Awd	$13.00	$50,609.00
	2	$12.00	$46,716.00
Ref #80	**609E71001**	**CONCRETE MEDIAN, AS PER PLAN B, (30 SF)**	
	Awd	$60.00	$1,800.00
	2	$80.00	$2,400.00

Section 4 - PAVEMENT - Totals

Awd	**$1,702,983.50**
2	**$1,694,949.50**

Ref #81	**638E10800**	**VALVE BOX ADJUSTED TO GRADE, (5 EACH)**	
	Awd	$555.00	$2,775.00
	2	$800.00	$4,000.00

Section 5 - WATER WORK - Totals

Awd	**$2,775.00**
2	**$4,000.00**

Ref #82	**625E00450**	**CONNECTION, FUSED PULL APART, (17 EACH)**	
	Awd	$95.00	$1,615.00
	2	$95.40	$1,621.80
Ref #83	**625E00480**	**CONNECTION, UNFUSED PERMANENT, (19 EACH)**	
	Awd	$95.00	$1,805.00
	2	$98.64	$1,874.16
Ref #84	**625E10490**	**LIGHT POLE, CONVENTIONAL AT20B40, (16 EACH)**	
	Awd	$4,075.00	$65,200.00
	2	$4,248.00	$67,968.00
Ref #85	**625E14100**	**LIGHT POLE FOUNDATION, 24" X 8' DEEP, (16 EACH)**	
	Awd	$1,100.00	$17,600.00
	2	$1,494.00	$23,904.00
Ref #86	**625E23200**	**NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE, (210 FT)**	
	Awd	$3.15	$661.50
	2	$2.92	$613.20
Ref #87	**625E23400**	**NO. 10 AWG POLE AND BRACKET CABLE, (2240 FT)**	
	Awd	$1.95	$4,368.00
	2	$1.89	$4,233.60

Ref #88	**625E24320**	**1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT C, (3393 FT)**	
	Awd	$8.35	$28,331.55
	2	$9.97	$33,828.21
Ref #89	**625E25500**	**CONDUIT, 3", 725.04, (200 FT)**	
	Awd	$37.10	$7,420.00
	2	$42.48	$8,496.00
Ref #90	**625E25902**	**CONDUIT, JACKED OR DRILLED, 725.04, 3", (95 FT)**	
	Awd	$71.00	$6,745.00
	2	$73.44	$6,976.80
Ref #91	**625E26253**	**LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER, (21 EACH)**	
	Awd	$405.00	$8,505.00
	2	$482.04	$10,122.84
Ref #92	**625E29002**	**TRENCH, 24" DEEP, (3203 FT)**	
	Awd	$9.75	$31,229.25
	2	$5.49	$17,584.47
Ref #93	**625E30700**	**PULL BOX, 725.08, 18", (4 EACH)**	
	Awd	$915.00	$3,660.00
	2	$918.00	$3,672.00
Ref #94	**625E30706**	**PULL BOX, 725.08, 24", (4 EACH)**	
	Awd	$1,040.00	$4,160.00
	2	$1,098.00	$4,392.00
Ref #95	**625E31510**	**PULL BOX REMOVED, (2 EACH)**	
	Awd	$350.00	$700.00
	2	$315.00	$630.00
Ref #96	**625E31600**	**PULL BOX, MISC.: PULLBOX ADJUSTED TO GRADE, (1 EACH)**	
	Awd	$425.00	$425.00
	2	$315.00	$315.00
Ref #97	**625E32000**	**GROUND ROD, (15 EACH)**	
	Awd	$263.00	$3,945.00
	2	$154.80	$2,322.00
Ref #98	**625E34001**	**POWER SERVICE, AS PER PLAN, (1 EACH)**	
	Awd	$6,000.00	$6,000.00
	2	$4,644.00	$4,644.00
Ref #99	**625E36010**	**UNDERGROUND WARNING/MARKING TAPE, (3203 FT)**	
	Awd	$1.25	$4,003.75
	2	$0.25	$800.75
Ref #100	**625E40000**	**SPECIAL - MAINTAIN EXISTING LIGHTING, (LUMP SUM)**	
	Awd	$5,100.00	$5,100.00
	2	$1,944.00	$1,944.00
Ref #101	**625E75400**	**LIGHT POLE REMOVED, (18 EACH)**	
	Awd	$245.00	$4,410.00
	2	$588.00	$10,584.00
Ref #102	**625E75500**	**LIGHT POLE FOUNDATION REMOVED, (19 EACH)**	
	Awd	$296.00	$5,624.00
	2	$369.00	$7,011.00
Ref #103	**625E75506**	**LUMINAIRE REMOVED, (18 EACH)**	
	Awd	$68.00	$1,224.00
	2	$72.00	$1,296.00

Ref #104	**625E75800**	**DISCONNECT CIRCUIT, (3 EACH)**	
	Awd	$335.00	$1,005.00
	2	$176.40	$529.20

Section 6 - LIGHTING - Totals

Awd	**$213,737.05**
2	**$215,363.03**

Ref #105	**620E00500**	**DELINEATOR, POST GROUND MOUNTED, (98 EACH)**	
	Awd	$62.00	$6,076.00
	2	$48.00	$4,704.00
Ref #106	**620E31200**	**REMOVAL OF DELINEATOR, (46 EACH)**	
	Awd	$6.98	$321.08
	2	$4.00	$184.00
Ref #107	**621E00100**	**RPM, (154 EACH)**	
	Awd	$73.85	$11,372.90
	2	$52.50	$8,085.00
Ref #108	**625E32000**	**GROUND ROD, (2 EACH)**	
	Awd	$250.00	$500.00
	2	$310.00	$620.00
Ref #109	**626E00102**	**BARRIER REFLECTOR, TYPE 1 (1WAY), (30 EACH)**	
	Awd	$19.00	$570.00
	2	$24.70	$741.00
Ref #110	**630E03100**	**GROUND MOUNTED SUPPORT, NO. 3 POST, (641.5 FT)**	
	Awd	$16.00	$10,264.00
	2	$13.60	$8,724.40
Ref #111	**630E06500**	**GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6X9, (39 FT)**	
	Awd	$26.00	$1,014.00
	2	$35.00	$1,365.00
Ref #112	**630E07000**	**GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18, (45 FT)**	
	Awd	$47.50	$2,137.50
	2	$60.00	$2,700.00
Ref #113	**630E08600**	**SIGN POST REFLECTOR, (8 EACH)**	
	Awd	$45.00	$360.00
	2	$50.00	$400.00
Ref #114	**630E09000**	**BREAKAWAY STRUCTURAL BEAM CONNECTION, (4 EACH)**	
	Awd	$575.00	$2,300.00
	2	$585.00	$2,340.00
Ref #115	**630E72540**	**OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 12, (1 EACH)**	
	Awd	$12,522.00	$12,522.00
	2	$18,975.00	$18,975.00
Ref #116	**630E79100**	**SIGN HANGER ASSEMBLY, MAST ARM, (18 EACH)**	
	Awd	$325.00	$5,850.00
	2	$415.00	$7,470.00
Ref #117	**630E79500**	**SIGN SUPPORT ASSEMBLY, POLE MOUNTED, (4 EACH)**	
	Awd	$130.00	$520.00
	2	$165.00	$660.00

Ref #118	**630E80100**	**SIGN, FLAT SHEET, (442.1 SF)**	
	Awd	$32.00	$14,147.20
	2	$16.00	$7,073.60
Ref #119	**630E80200**	**SIGN, GROUND MOUNTED EXTRUSHEET, (110 SF)**	
	Awd	$42.00	$4,620.00
	2	$23.40	$2,574.00
Ref #120	**630E80224**	**SIGN, OVERHEAD EXTRUSHEET, (510 SF)**	
	Awd	$25.00	$12,750.00
	2	$24.50	$12,495.00
Ref #121	**630E81010**	**RAMP REFERENCE MARKER, (1 EACH)**	
	Awd	$175.00	$175.00
	2	$180.00	$180.00
Ref #122	**630E84500**	**GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION, (4 EACH)**	
	Awd	$900.00	$3,600.00
	2	$945.00	$3,780.00
Ref #123	**630E84510**	**RIGID OVERHEAD SIGN SUPPORT FOUNDATION, (1 EACH)**	
	Awd	$6,245.00	$6,245.00
	2	$6,475.00	$6,475.00
Ref #124	**630E84900**	**REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL, (37 EACH)**	
	Awd	$20.00	$740.00
	2	$15.00	$555.00
Ref #125	**630E85400**	**REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL, (1 EACH)**	
	Awd	$160.00	$160.00
	2	$265.00	$265.00
Ref #126	**630E86002**	**REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSA, (38 EACH)**	
	Awd	$25.00	$950.00
	2	$15.00	$570.00
Ref #127	**630E86102**	**REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT , (2 EACH)**	
	Awd	$225.00	$450.00
	2	$285.00	$570.00
Ref #128	**630E87400**	**REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL, (7 EACH)**	
	Awd	$250.00	$1,750.00
	2	$300.00	$2,100.00
Ref #129	**630E87500**	**REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL, (6 EACH)**	
	Awd	$25.00	$150.00
	2	$20.00	$120.00
Ref #130	**630E89702**	**REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, (2 EACH)**	
	Awd	$2,091.88	$4,183.76
	2	$1,150.00	$2,300.00
Ref #131	**642E00200**	**LANE LINE, 4", TYPE 1, (0.06 MILE)**	
	Awd	$6,565.00	$393.90
	2	$8,534.50	$512.07
Ref #132	**642E00300**	**CENTER LINE, TYPE 1, (0.24 MILE)**	
	Awd	$6,825.00	$1,638.00
	2	$8,872.50	$2,129.40
Ref #133	**642E00400**	**CHANNELIZING LINE, 8", TYPE 1, (1044 FT)**	
	Awd	$1.00	$1,044.00
	2	$1.30	$1,357.20

Ref #134	**642E00500**	**STOP LINE, TYPE 1, (139 FT)**	
	Awd	$3.50	$486.50
	2	$4.55	$632.45
Ref #135	**642E00620**	**CROSSWALK LINE, 12", TYPE 1, (340 FT)**	
	Awd	$3.00	$1,020.00
	2	$3.90	$1,326.00
Ref #136	**642E00700**	**TRANSVERSE/DIAGONAL LINE, TYPE 1, (235 FT)**	
	Awd	$3.25	$763.75
	2	$4.23	$994.05
Ref #137	**642E00900**	**ISLAND MARKING, TYPE 1, (45 SF)**	
	Awd	$3.00	$135.00
	2	$3.90	$175.50
Ref #138	**642E01300**	**LANE ARROW, TYPE 1, (20 EACH)**	
	Awd	$75.00	$1,500.00
	2	$97.50	$1,950.00
Ref #139	**642E01312**	**LANE REDUCTION ARROW, TYPE 1, (2 EACH)**	
	Awd	$200.00	$400.00
	2	$260.00	$520.00
Ref #140	**642E01522**	**DOTTED LINE, 8", TYPE 1, (633 FT)**	
	Awd	$0.95	$601.35
	2	$1.24	$784.92
Ref #141	**646E10600**	**TRANSVERSE/DIAGONAL LINE, (312 FT)**	
	Awd	$8.00	$2,496.00
	2	$10.40	$3,244.80
Ref #142	**646E20320**	**WRONG WAY ARROW, (2 EACH)**	
	Awd	$350.00	$700.00
	2	$455.00	$910.00
Ref #143	**807E12010**	**WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, , (2 MILE)**	
	Awd	$5,000.00	$10,000.00
	2	$6,500.00	$13,000.00
Ref #144	**807E12110**	**WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, , (0.35 MILE)**	
	Awd	$2,500.00	$875.00
	2	$3,250.00	$1,137.50
Ref #145	**807E12310**	**WET REFLECTIVE EPOXY PAVEMENT MARKING, CHANNELIZIN, (2273 FT)**	
	Awd	$2.80	$6,364.40
	2	$3.64	$8,273.72
Ref #146	**807E12410**	**WET REFLECTIVE EPOXY PAVEMENT MARKING, DOTTED LINE, (3199 FT)**	
	Awd	$2.00	$6,398.00
	2	$2.60	$8,317.40
Ref #147	**850E10010**	**GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHAL, (1.26 MILE)**	
	Awd	$5,540.00	$6,980.40
	2	$7,202.00	$9,074.52
Ref #148	**850E10110**	**GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHAL, (3199 FT)**	
	Awd	$1.25	$3,998.75
	2	$1.63	$5,214.37
Ref #149	**850E10130**	**GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHA, (1915 FT)**	
	Awd	$1.65	$3,159.75
	2	$2.15	$4,117.25

Ref #150	**850E20010**	**GROOVING FOR 6" RECESSED PAVEMENT MARKING, (CONCRE, (0.92 MILE)**	
	Awd	$7,500.00	$6,900.00
	2	$9,750.00	$8,970.00
Ref #151	**850E20130**	**GROOVING FOR 12" RECESSED PAVEMENT MARKING, (CONCR, (358 FT)**	
	Awd	$3.50	$1,253.00
	2	$4.55	$1,628.90

Section 7 - TRAFFIC CONTROL - Totals

Awd	**$160,836.24**
2	**$170,296.05**

Ref #152	**625E25400**	**CONDUIT, 2", 725.04, (226 FT)**	
	Awd	$24.25	$5,480.50
	2	$31.68	$7,159.68
Ref #153	**625E25500**	**CONDUIT, 3", 725.04, (34 FT)**	
	Awd	$37.10	$1,261.40
	2	$50.04	$1,701.36
Ref #154	**625E25600**	**CONDUIT, 4", 725.04, (45 FT)**	
	Awd	$51.00	$2,295.00
	2	$62.64	$2,818.80
Ref #155	**625E25902**	**CONDUIT, JACKED OR DRILLED, 725.04, 3", (253 FT)**	
	Awd	$78.00	$19,734.00
	2	$75.60	$19,126.80
Ref #156	**625E29000**	**TRENCH, (305 FT)**	
	Awd	$12.00	$3,660.00
	2	$6.12	$1,866.60
Ref #157	**625E30510**	**PULL BOX, 725.06, SIZE 4, (5 EACH)**	
	Awd	$879.00	$4,395.00
	2	$774.00	$3,870.00
Ref #158	**625E30520**	**PULL BOX, 725.06, SIZE 7, (1 EACH)**	
	Awd	$965.00	$965.00
	2	$1,026.00	$1,026.00
Ref #159	**625E31510**	**PULL BOX REMOVED, (8 EACH)**	
	Awd	$225.00	$1,800.00
	2	$320.40	$2,563.20
Ref #160	**625E32000**	**GROUND ROD, (6 EACH)**	
	Awd	$263.00	$1,578.00
	2	$154.80	$928.80
Ref #161	**632E05007**	**VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS,, (10 EACH)**	
	Awd	$795.00	$7,950.00
	2	$862.56	$8,625.60
Ref #162	**632E20731**	**PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, , (4 EACH)**	
	Awd	$505.00	$2,020.00
	2	$480.96	$1,923.84
Ref #163	**632E25000**	**COVERING OF VEHICULAR SIGNAL HEAD, (10 EACH)**	
	Awd	$40.00	$400.00
	2	$18.00	$180.00

Ref #164	**632E26001**	**PEDESTRIAN PUSHBUTTON, AS PER PLAN, (4 EACH)**	
	Awd	$275.00	$1,100.00
	2	$300.24	$1,200.96
Ref #165	**632E40300**	**SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG, (1205 FT)**	
	Awd	$2.65	$3,193.25
	2	$1.89	$2,277.45
Ref #166	**632E40500**	**SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG, (755 FT)**	
	Awd	$2.95	$2,227.25
	2	$2.52	$1,902.60
Ref #167	**632E40700**	**SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG, (1230 FT)**	
	Awd	$3.30	$4,059.00
	2	$4.66	$5,731.80
Ref #168	**632E62830**	**INTERCONNECT, MISC.: FURNISH & INSTALL INTERCONNEC, (LUMP SUM)**	
	Awd	$9,785.00	$9,785.00
	2	$9,540.00	$9,540.00
Ref #169	**632E64010**	**SIGNAL SUPPORT FOUNDATION, (4 EACH)**	
	Awd	$4,900.00	$19,600.00
	2	$2,916.00	$11,664.00
Ref #170	**632E64020**	**PEDESTAL FOUNDATION, (1 EACH)**	
	Awd	$998.00	$998.00
	2	$1,134.00	$1,134.00
Ref #171	**632E65200**	**LOOP DETECTOR LEAD-IN CABLE, (740 FT)**	
	Awd	$1.95	$1,443.00
	2	$2.09	$1,546.60
Ref #172	**632E68300**	**POWER CABLE, 3 CONDUCTOR, NO. 6 AWG, (113 FT)**	
	Awd	$6.05	$683.65
	2	$5.76	$650.88
Ref #173	**632E70001**	**POWER SERVICE, AS PER PLAN, (1 EACH)**	
	Awd	$3,587.00	$3,587.00
	2	$2,160.00	$2,160.00
Ref #174	**632E72131**	**SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER P, (3 EACH)**	
	Awd	$18,538.00	$55,614.00
	2	$15,156.00	$45,468.00
Ref #175	**632E81700**	**COMBINATION SIGNAL SUPPORT, MISC.: COMBINATION SIG, (1 EACH)**	
	Awd	$22,740.00	$22,740.00
	2	$21,060.00	$21,060.00
Ref #176	**632E89901**	**PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN, (1 EACH)**	
	Awd	$1,015.00	$1,015.00
	2	$735.48	$735.48
Ref #177	**632E90101**	**REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLA, (1 EACH)**	
	Awd	$3,400.00	$3,400.00
	2	$3,225.60	$3,225.60
Ref #178	**632E90300**	**SIGNALIZATION, MISC.: REMOVE & RE-ERECT TRAFFIC SI, (LUMP SUM)**	
	Awd	$7,465.00	$7,465.00
	2	$12,420.00	$12,420.00
Ref #179	**633E65511**	**CABINET, TYPE TS-2, AS PER PLAN, (1 EACH)**	
	Awd	$17,300.00	$17,300.00
	2	$15,021.00	$15,021.00

Ref #180	**633E67101**	**CABINET FOUNDATION, AS PER PLAN, (1 EACH)**	
	Awd	$2,200.00	$2,200.00
	2	$1,782.00	$1,782.00
Ref #181	**633E67201**	**CONTROLLER WORK PAD, AS PER PLAN, (1 EACH)**	
	Awd	$750.00	$750.00
	2	$531.00	$531.00
Ref #182	**633E75001**	**UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS , (1 EACH)**	
	Awd	$5,200.00	$5,200.00
	2	$4,747.68	$4,747.68
Ref #183	**804E20050**	**FIBER OPTIC CABLE, ARMORED, 48 FIBER, (1006 FT)**	
	Awd	$3.30	$3,319.80
	2	$5.76	$5,794.56
Ref #184	**804E30000**	**FAN-OUT KIT, 6 FIBER, (1 EACH)**	
	Awd	$150.00	$150.00
	2	$181.80	$181.80
Ref #185	**804E32000**	**DROP CABLE, 6 FIBER, (1 EACH)**	
	Awd	$1,100.00	$1,100.00
	2	$342.00	$342.00
Ref #186	**804E34000**	**FIBER TERMINATION PANEL, 6 FIBER, (1 EACH)**	
	Awd	$1,008.00	$1,008.00
	2	$693.00	$693.00
Ref #187	**804E35000**	**FUSION SPLICE, (12 EACH)**	
	Awd	$74.00	$888.00
	2	$144.00	$1,728.00
Ref #188	**804E37000**	**SPLICE ENCLOSURE, BUTT STYLE, (1 EACH)**	
	Awd	$1,468.00	$1,468.00
	2	$1,062.00	$1,062.00
Ref #189	**804E37500**	**FIBER OPTIC CONNECTOR, (12 EACH)**	
	Awd	$169.00	$2,028.00
	2	$106.20	$1,274.40
Ref #190	**804E38101**	**FIBER OPTIC CABLE MEDIA CONVERTER, ETHERNET, AS PE, (1 EACH)**	
	Awd	$1,997.00	$1,997.00
	2	$1,834.20	$1,834.20
Ref #191	**804E98100**	**FIBER OPTIC CABLE, MISC.: FIBER OPTIC PATCH CORD, , (1 EACH)**	
	Awd	$602.00	$602.00
	2	$144.00	$144.00
Ref #192	**809E60001**	**CCTV IP-CAMERA SYSTEM, DOME-TYPE, AS PER PLAN, (1 EACH)**	
	Awd	$6,024.00	$6,024.00
	2	$5,529.96	$5,529.96
Ref #193	**809E69001**	**ADVANCE RADAR DETECTION, AS PER PLAN, (4 EACH)**	
	Awd	$7,488.00	$29,952.00
	2	$6,858.00	$27,432.00
Ref #194	**809E69101**	**STOP LINE RADAR DETECTION, AS PER PLAN, (4 EACH)**	
	Awd	$7,326.00	$29,304.00
	2	$6,858.00	$27,432.00
Ref #195	**809E69123**	**ATC CONTROLLER, AS PER PLAN, (1 EACH)**	
	Awd	$4,975.00	$4,975.00
	2	$5,112.00	$5,112.00

Ref #196	**809E69211**	**PREEMPT RECEIVING UNIT, AS PER PLAN, (4 EACH)**	
	Awd	$1,415.00	$5,660.00
	2	$786.60	$3,146.40
Ref #197	**809E69221**	**PREEMPT DETECTOR CABLE, AS PER PLAN, (1205 FT)**	
	Awd	$2.15	$2,590.75
	2	$1.40	$1,687.00
Ref #198	**809E69231**	**PREEMPT PHASE SELECTOR, AS PER PLAN, (1 EACH)**	
	Awd	$4,300.00	$4,300.00
	2	$3,816.00	$3,816.00
Ref #199	**809E69241**	**PREEMPT CONFIRMATION LIGHT, AS PER PLAN, (4 EACH)**	
	Awd	$399.00	$1,596.00
	2	$322.20	$1,288.80
Ref #200	**824E00011**	**SYSTEM ANALYSIS, AS PER PLAN, (LUMP SUM)**	
	Awd	$28,800.00	$28,800.00
	2	$25,236.00	$25,236.00

Section 8 - TRAFFIC SIGNALS - Totals

Awd	**$339,661.60**
2	**$308,323.85**

Ref #201	**608E21200**	**TEMPORARY ASPHALT CONCRETE WALK, 2", (50 SF)**	
	Awd	$150.00	$7,500.00
	2	$5.00	$250.00
Ref #202	**614E11110**	**LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSIST, (180 HOUR)**	
	Awd	$75.00	$13,500.00
	2	$75.00	$13,500.00
Ref #203	**614E11630**	**INCREASED BARRIER DELINEATION, (8474 FT)**	
	Awd	$3.20	$27,116.80
	2	$4.16	$35,251.84
Ref #204	**614E12380**	**WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UN, (9 EACH)**	
	Awd	$1,970.00	$17,730.00
	2	$2,730.00	$24,570.00
Ref #205	**614E12421**	**DETOUR SIGNING, AS PER PLAN, (LUMP SUM)**	
	Awd	$4,300.00	$4,300.00
	2	$8,000.00	$8,000.00
Ref #206	**614E12801**	**WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN, (168 EACH)**	
	Awd	$6.00	$1,008.00
	2	$7.80	$1,310.40
Ref #207	**614E13000**	**ASPHALT CONCRETE FOR MAINTAINING TRAFFIC, (20 CY)**	
	Awd	$313.69	$6,273.80
	2	$200.00	$4,000.00
Ref #208	**614E13312**	**BARRIER REFLECTOR, TYPE 2 (1WAY), (267 EACH)**	
	Awd	$15.00	$4,005.00
	2	$19.50	$5,206.50
Ref #209	**614E13350**	**OBJECT MARKER, ONE WAY, (267 EACH)**	
	Awd	$16.00	$4,272.00
	2	$20.80	$5,553.60

Ref #210	**614E18601**	**PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN, (45 SNMT)**	
	Awd	$668.01	$30,060.45
	2	$900.00	$40,500.00
Ref #211	**614E20200**	**WORK ZONE LANE LINE, CLASS I, 4", 740.06, TYPE I, (0.14 MILE)**	
	Awd	$3,450.00	$483.00
	2	$4,485.00	$627.90
Ref #212	**614E22100**	**WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT, (0.69 MILE)**	
	Awd	$5,485.00	$3,784.65
	2	$7,130.51	$4,920.05
Ref #213	**614E22200**	**WORK ZONE EDGE LINE, CLASS I, 4", 740.06, TYPE I, (4.48 MILE)**	
	Awd	$6,650.00	$29,792.00
	2	$8,645.00	$38,729.60
Ref #214	**614E23400**	**WORK ZONE CHANNELIZING LINE, CLASS I, 8", 740.06, , (1689 FT)**	
	Awd	$2.45	$4,138.05
	2	$3.19	$5,387.91
Ref #215	**614E24400**	**WORK ZONE DOTTED LINE, CLASS I, 4", 740.06, TYPE I, (116 FT)**	
	Awd	$1.90	$220.40
	2	$2.47	$286.52
Ref #216	**614E26400**	**WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I, (18 FT)**	
	Awd	$10.53	$189.54
	2	$13.65	$245.70
Ref #217	**615E10000**	**ROADS FOR MAINTAINING TRAFFIC, (LUMP SUM)**	
	Awd	$51,300.00	$51,300.00
	2	$20,000.00	$20,000.00
Ref #218	**615E20000**	**PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, (1493 SY)**	
	Awd	$90.00	$134,370.00
	2	$50.00	$74,650.00
Ref #219	**616E10000**	**WATER, (28 MGAL)**	
	Awd	$92.00	$2,576.00
	2	$25.00	$700.00
Ref #220	**622E41050**	**PORTABLE BARRIER, "Y" CONNECTOR, (1 EACH)**	
	Awd	$391.00	$391.00
	2	$10,000.00	$10,000.00
Ref #221	**622E41100**	**PORTABLE BARRIER, UNANCHORED, (9390 FT)**	
	Awd	$11.00	$103,290.00
	2	$12.00	$112,680.00

Section 9 - MAINTENANCE OF TRAFFIC - Totals

Awd	**$446,300.69**
2	**$406,370.02**

Ref #222	**103E05000**	**PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYM, (LUMP SUM)**	
	Awd	$18,100.00	$18,100.00
	2	$25,000.00	$25,000.00
Ref #223	**108E30000**	**CPM PROGRESS SCHEDULE SHORT DURATION PROJECTS, (LUMP SUM)**	
	Awd	$7,500.00	$7,500.00
	2	$10,000.00	$10,000.00

Ref #224	**614E11000**	**MAINTAINING TRAFFIC, (LUMP SUM)**	
	Awd	$140,000.00	$140,000.00
	2	$236,000.00	$236,000.00
Ref #225	**619E16011**	**FIELD OFFICE, TYPE B, AS PER PLAN, (9 MNTH)**	
	Awd	$4,165.00	$37,485.00
	2	$2,500.00	$22,500.00
Ref #226	**623E10000**	**CONSTRUCTION LAYOUT STAKES AND SURVEYING, (LUMP SUM)**	
	Awd	$45,750.00	$45,750.00
	2	$45,000.00	$45,000.00
Ref #227	**624E10000**	**MOBILIZATION, (LUMP SUM)**	
	Awd	$100,000.00	$100,000.00
	2	$509,000.00	$509,000.00

Section 10 - INCIDENTALS - Totals

Awd	**$348,835.00**
2	**$847,500.00**