

**Florida Department of Transportation
Bid Solicitation Notice and Approximate Quantities**

Letting: 05221206 Call Order: 003 Proposal: E54B1 District:05

Counties: VOLUSIA

Road Name: US 92 (SR 600) FROM THE HALIFAX RIVER BRIDGE TO SR A1A

Limits: 79080000

Project(s): 43794215201(*)

Federal Aid No: N/A

Project(s): 43794215601

Federal Aid No: N/A

Total Roadway Length:	1.364 Miles	Contract Days:	360
Total Bridge Length:	0.000 Miles	Letting Date:	12/06/22
Total Proposal Length:	1.364 Miles	Contract Execution Days:	10
		Special Start Date:	N/A
		Aquis/Flexible Start Time:	90

Proposal Budget Estimate: \$10,253,020.00

Please read the full advertisement

Description:

The Improvements under this Contract consist of corridor improvements including milling, resurfacing, overbuild, widening, drainage structures, signing, pavement markings, mast arms, lighting, ITS, and utility improvements on SR 600 from MP 1.059 to MP 1.494 in Daytona Beach, Volusia County. The Summary of Pay Items is listed in the Plans.

PREQUALIFICATION REQUIRED

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ALT	Item	Description	Unit	Quantity
Section 0001 Roadway				
	0101- 1-	MOBILIZATION (43794215201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (43794215201)	LS	1.000
	0102- 2-200	SPECIAL DETOUR- TEMPORARY PAVEMENT (43794215201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	960.000
	0102- 60-	WORK ZONE SIGN	ED	32,650.000
	0102- 61-	BUSINESS SIGN	EA	13.000
	0102- 71- 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF	977.000
	0102- 71- 23	TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE	LF	403.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	39,375.000
	0102- 74- 8	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	FD	63,985.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	544.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	789.000
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	1,610.000
	0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	1,610.000
	0102-115-	TYPE III BARRICADE	ED	3,156.000
	0104- 10- 3	SEDIMENT BARRIER	LF	4,933.000
	0104- 11-	FLOATING TURBIDITY BARRIER	LF	83.000
	0104- 15-	SOIL TRACKING PREVENTION DEVICE	EA	3.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	41.000
	0107- 1-	LITTER REMOVAL	AC	26.800
	0107- 2-	MOWING	AC	9.020

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ALT	Item	Description	Unit	Quantity
	0110- 1- 1	CLEARING & GRUBBING (43794215201)	LS	1.000
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	6,922.000
	0110- 86-	DELIVERY OF SALVAGEABLE MATERIAL TO FDOT (Sidewalk Tiles)	LS	1.000
	0120- 1-	REGULAR EXCAVATION	CY	2,428.000
	0120- 6-	EMBANKMENT	CY	503.000
	0160- 4-	TYPE B STABILIZATION	SY	6,007.000
	0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	5,280.000
	0327- 70- 2	MILLING EXISTING ASPHALT PAVEMENT, 3 1/2" AVG DEPTH	SY	15,314.000
	0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	3,009.700
	0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76 -22	TN	1,664.600
	0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	0.200
	0425- 1-351	INLETS, CURB, TYPE P-5, <10'	EA	12.000
	0425- 1-352	INLETS, CURB, TYPE P-5, >10'	EA	4.000
	0425- 1-361	INLETS, CURB, TYPE P-6, <10'	EA	4.000
	0425- 1-451	INLETS, CURB, TYPE J-5, <10'	EA	1.000
	0425- 1-452	INLETS, CURB, TYPE J-5, >10'	EA	6.000
	0425- 1-462	INLETS, CURB, TYPE J-6, >10'	EA	1.000
	0425- 1-481	INLETS, CURB, TYPE 8, <10'	EA	4.000
	0425- 1-545	INLETS, DITCH BOTTOM, TYPE D, PARTIAL	EA	1.000
	0425- 2- 61	MANHOLES, P-8, <10'	EA	2.000
	0425- 2- 62	MANHOLES, P-8, >10'	EA	3.000
	0425- 2- 63	MANHOLES, P-8, PARTIAL	EA	1.000
	0425- 2- 91	MANHOLES, J-8, <10'	EA	2.000
	0425- 2- 92	MANHOLES, J-8, >10'	EA	6.000
	0425- 5-	MANHOLE, ADJUST	EA	1.000
	0430-175-112	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 12"S/CD	LF	13.000
	0430-175-115	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD	LF	8.000
	0430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	1,144.000
	0430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	143.000
	0430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	835.000
	0430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	1,831.000
	0430-830-	PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE	CY	516.000
	0455-133- 2	SHEET PILING STEEL, TEMPORARY-CRITICAL	SF	5,911.000
	0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	4,316.000
	0520- 2- 4	CONCRETE CURB, TYPE D	LF	2,854.000
	0520- 5- 41	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	LF	935.000
	0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	3,476.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	1,952.000
	0527- 2-	DETECTABLE WARNINGS	SF	418.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	4,243.000
	0580- 12- 40	LANDSCAPE- TREE GRATES, 5' X 5'	EA	20.000
	0580- 12- 41	LANDSCAPE- STRUCTURAL SOIL	CY	129.000
	0591- 1-200	IRRIGATION SLEEVE, 2" DIAMETER	LF	1,517.000
	0591- 1-400	IRRIGATION SLEEVE, 4" DIAMETER	LF	152.000

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ALT	Item	Description	Unit	Quantity
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	90.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	92.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	2.000
	0695- 1- 1	TRAFFIC MONITORING SITE VEHICLE SENSOR-NON-WEIGHT, FURNISH & INSTALL	EA	4.000
	0695- 6- 12	TRAFFIC MONITORING SITE INDUCTIVE LOOP ASSEMBLY, FURNISH & INSTALL, 2 LOOPS	EA	4.000
	0695- 7-162	TRAFFIC MONITORING SITE CABINET, F&I, TYPE 3, 2 PANE BACK, PEDESTAL MOUNT	EA	1.000
	0695- 7-600	TRAFFIC MONITORING SITE CABINET, REMOVE EXISTING CABINET	EA	1.000
	0706- 1- 3	RAISED PAVEMENT MARKER, TYPE B	EA	681.000
	0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	1.836
	0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	1,635.000
	0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	2,072.000
	0710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	1.611
	0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.051
	0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	20.000
	0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	2.864
	0710- 11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	715.000
	0710- 11-241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	0.031
	0999- 20- 1	DISPUTES REVIEW BOARD, MEETING- DO NOT BID	DA	8.000
	0999- 20- 2	DISPUTES REVIEW BOARD, HEARING- DO NOT BID	EA	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (43794215201)	LS	1.000
Section 0002 Signing				
	0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	57.000
	0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	8.000
	0700- 1- 13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS	4.000
	0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	42.000
	0700- 2- 60	MULTI- POST SIGN, REMOVE	AS	1.000
	0700- 3-605	SIGN PANEL, REMOVE, 51-100 SF	EA	3.000
	0700- 4-611	OVERHEAD STATIC SIGN STRUCTURE, SHALLOW FOUNDATION REMOVAL, CANTILEVER	EA	3.000
	0700- 13- 15	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA	14.000
	0705- 10- 1	OBJECT MARKER, TYPE 1	EA	8.000
	0706- 1- 3	RAISED PAVEMENT MARKER, TYPE B	EA	672.000
	0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (43794215201)	LS	1.000
	0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	2,177.000
	0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	6.000
	0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	405.000

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ALT	Item	Description	Unit	Quantity
	0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.189
	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	36.000
	0711- 11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.116
	0711- 14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	1,599.000
	0711- 14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	3.000
	0711- 14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	3.000
	0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	1.639
	0711- 16-131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	0.806
	0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	1.046
Section 0003 Lighting				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	1,767.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	3,873.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	62.000
	0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	10.000
	0641- 2- 11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA	1.000
	0715- 1- 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	21,290.000
	0715- 5- 31	LUMINAIRE & BRACKET ARM- ALUMINUM, FURNISH & INSTALL NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA	15.000
	0715- 7- 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	1.000
	0715- 11-211	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE/ARM, ROADWAY, COBRA HEAD	EA	2.000
	0715- 61-121	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 30' MOUNTING HEIGHT, 10' ARM LENGTH	EA	17.000
	0715- 61-152	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 30' MOUNTING HEIGHT, 15' ARM LENGTH	EA	10.000
	0715- 61-321	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT, 10' ARM LENGTH	EA	2.000
	0715- 62-121	LIGHT POLE COMPLETE, F&I, STANDARD POLE SPECIAL FOUNDATION, 30' MOUNTING HEIGHT, 10' ARM LENGTH	EA	5.000
	0715- 62-152	LIGHT POLE COMPLETE, F&I, STANDARD POLE SPECIAL FOUNDATION, 30' MOUNTING HEIGHT, 15' ARM LENGTH	EA	4.000
	0715- 69-000	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA	3.000
	0715-500- 1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	37.000
Section 0004 Signalization				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	733.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1,046.000
	0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	4.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	52.000
	0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	3.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	45.000

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	0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	3.000
	0641- 2- 60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL-PEDESTAL/SERVICE POLE	EA	4.000
	0641- 2- 70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	4.000
	0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	27.000
	0646- 1- 12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA	2.000
	0646- 1- 60	ALUMINUM SIGNALS POLE, REMOVE	EA	4.000
	0649- 21- 1	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 30'	EA	5.000
	0649- 21- 3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	2.000
	0649- 21- 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	8.000
	0649- 26- 3	STEEL MAST ARM ASSEMBLY, REMOVE, SHALLOW FOUNDATION-BOLT ON ATTACHMENT	EA	7.000
	0650- 1- 34	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 3 SECTION, 1 WAY	AS	29.000
	0650- 1- 36	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 4 SECTION, 1 WAY	AS	9.000
	0650- 1- 39	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 5 SECTION CLUSTER, 1 WAY	AS	2.000
	0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	22.000
	0653- 1- 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	5.000
	0660- 3- 11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA	4.000
	0660- 3- 12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	15.000
	0665- 1- 12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	EA	30.000
	0670- 5-112	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 2 PREEMPTION	AS	4.000
	0670- 5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	4.000
	0682- 1-133	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, IP, HIGH DEFINITION	EA	4.000
	0685- 1- 13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA	4.000
	0700- 5- 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	15.000
Section 0005 Utilities				
	0425- 5- 1	MANHOLE, ADJUST, UTILITIES	EA	19.000
	0425- 6-	VALVE BOXES, ADJUST	EA	38.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (43794215601)	LS	1.000
	1050- 16-003	UTILITY PIPE,REMOVE & DISPOSE, 5-7.9"	LF	243.000
	1050- 16-004	UTILITY PIPE,REMOVE & DISPOSE, 8-19.9"	LF	225.000
	1050- 16-005	UTILITY PIPE,REMOVE & DISPOSE, 20-49.9"	LF	355.000
	1050- 31-206	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 6"	LF	700.000

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	1050- 41-201	UTILITY PIPE- POLYETHYLENE, FURNISH & INSTALL, WATER/SEWER, 1"	LF	569.000
	1050- 51-206	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 6"	LF	332.000
	1050- 51-208	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 8"	LF	47.000
	1050- 51-210	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 10"	LF	30.000
	1050- 51-212	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 12"	LF	31.000
	1050- 51-220	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 20"	LF	110.000
	1050- 51-224	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 24"	LF	513.000
	1055- 51-108	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 8"	EA	4.000
	1055- 51-110	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 10"	EA	4.000
	1055- 51-112	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 12"	EA	6.000
	1055- 51-120	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 20"	EA	8.000
	1055- 51-124	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 24"	EA	23.000
	1055- 51-224	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 24"	EA	2.000
	1055- 51-312	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 12"	EA	1.000
	1055- 51-324	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 24"	EA	1.000
	1055- 51-408	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL UNION, 8"	EA	2.000
	1055- 51-410	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL UNION, 10"	EA	2.000
	1055- 51-412	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL UNION, 12"	EA	3.000
	1055- 51-514	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 14"	EA	7.000
	1055- 51-520	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 20"	EA	2.000
	1055- 51-524	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 24"	EA	6.000
	1080- 21-100	UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL, 1"	EA	18.000
	1080- 21-106	UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL, 6"	EA	2.000
	1080- 21-112	UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL, 12"	EA	1.000
	1080- 21-114	UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL, 14"	EA	1.000
	1080- 21-120	UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL, 20"	EA	2.000
	1080- 21-124	UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL, 24"	EA	8.000
	1080- 21-600	UTILITY FIXTURE, VALVE/METER BOX, REMOVE	EA	18.000
	1080- 23-106	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 6"	EA	1.000

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	1080- 23-114	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 14"	EA	1.000
	1080- 23-120	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 20"	EA	2.000
	1080- 23-124	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 24"	EA	6.000
	1080- 24-106	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 6"	EA	4.000
	1080- 24-112	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 12"	EA	1.000
	1080- 24-114	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 14"	EA	1.000
	1080- 24-120	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 20"	EA	2.000
	1080- 24-124	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 24"	EA	8.000
	1080- 27-106	UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 6"	EA	6.000
	1080- 27-108	UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 8"	EA	2.000
	1080- 27-110	UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 10'	EA	2.000
	1080- 27-114	UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 14'	EA	2.000
	1080- 27-120	UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 20'	EA	2.000
	1080- 27-124	UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 24'	EA	6.000
	1080- 29-106	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 6"	EA	11.000
	1080- 29-108	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 8"	EA	2.000
	1080- 29-110	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 10"	EA	2.000
	1080- 29-112	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 12"	EA	3.000
	1080- 29-114	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 14"	EA	2.000
	1080- 29-120	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 20"	EA	2.000
	1080- 29-124	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 24"	EA	6.000
	1644-116- 08	FIRE HYDRANT, STANDARD, F&I, 3 WAY, 2 HOSE, 1 PUMPER, 6"	EA	5.000
	1644-900-	FIRE HYDRANT, REMOVE	EA	5.000
Section 0006 Intelligent Transportation System				
	0611- 1- 1	ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH	MI	0.689
	0611- 2- 1	ITSFM LOCATION DOCUMENTATION- INTERSECTION	EA	5.000
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	97.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	3,502.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	10.000
	0633- 1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	1,054.000
	0633- 1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	4,138.000
	0633- 1-420	FIBER OPTIC CABLE, RELOCATE, UNDERGROUND	LF	200.000
	0633- 1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	6,521.000
	0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	376.000
	0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	4.000
	0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	26.000
	0633- 3- 13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	120.000

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ALT	Item	Description	Unit	Quantity
	0633- 3- 16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	5.000
	0633- 3- 17	FIBER OPTIC CONNECTION HARDWARE, F&I, CONNECTOR PANEL	EA	10.000
	0633- 3- 51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA	1.000
	0633- 6-	FIBER OPTIC CABLE LOCATOR	DA	410.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	11.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	6.000
	0635- 2- 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	4.000
	0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	1,692.000
	0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	1.000
	0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	2.000
	0676- 3- 10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D	EA	1.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	4.000
	0700- 11- 5	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, BLANK OUT SIGN, UP TO 12 SF, PROJECT 437942-1-52-01	AS	3.000