

Florida Department of Transportation
Bid Solicitation Notice and Approximate Quantities

Letting:	CT260325	Call Order: 002	Proposal: T3845	District:03
Counties:	BAY			
Road Name:	SR 30A (US 98 / PANAMA CITY BEACH PKWY)			
Limits:	FROM E OF R JACKSON TO HATHAWAY BRIDGE			
Project(s):	21783855201(*)	Federal Aid No:	D325090B	
Project(s):	21783855601	Federal Aid No:	N/A	
Total Roadway Length:	3.286 Miles	Contract Days:	1500	
Total Bridge Length:	0.568 Miles	Letting Date:	03/25/26	
Total Proposal Length:	3.854 Miles	Contract Execution Days:	10	
		Special Start Date:	N/A	
		Aquis/Flexible Start Time:	30 Days	
Proposal Budget Estimate:	\$96,937,879.00			

Please read the full advertisement

Description:

The Improvements under this Contract consist of adding lanes and reconstructing SR 30A (US 98) Panama City Beach Parkway from East of R Jackson Blvd. to Hathaway Bridge. FPID 217838-5-52-01 consists of roadway reconstruction, adding lanes, signing, pavement marking, lighting, signalization and ITS. FPID 217838-5-56-01 consists of UWHC for water and sewer relocation. All work is to be done in Bay County.

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ALT	Item	Description	Unit	Quantity
Section 0001 Roadway				
	0101- 1-	MOBILIZATION (21783855201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (21783855201)	LS	1.000
	0102- 2-200	SPECIAL DETOUR- TEMPORARY PAVEMENT (21783855201)	LS	1.000
	0102- 2-300	SPECIAL DETOUR- TEMPORARY EARTHWORK/BASE (21783855201)	LS	1.000
	0102- 3-	COMMERCIAL MATERIAL FOR TEMPORARY DRIVEWAY MAINTENANCE	CY	900.000
	0102- 4- 1	PEDESTRIAN OR BICYCLE SPECIAL DETOUR (21783855201)	LS	1.000
	0102- 5-	PEDESTRIAN ESCORT/FLAGGER	HR	360.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	1,444.000
	0102- 60-	WORK ZONE SIGN	ED	215,957.000
	0102- 61-	BUSINESS SIGN	EA	53.000
	0102- 71- 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF	11,034.000
	0102- 71- 23	TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE	LF	18,459.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	771,892.000
	0102- 74- 8	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	FD	1,847,340.000
	0102- 75- 1	TEMPORARY SEPARATOR, F&I REMOVE	LF	27,165.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	4,491.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	6,198.000
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	9,000.000
	0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	9,000.000
	0102-115-	TYPE III BARRICADE	ED	79,250.000
	0104- 10- 3	SEDIMENT BARRIER	LF	16,360.000

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ALT	Item	Description	Unit	Quantity
	0104- 11-	FLOATING TURBIDITY BARRIER	LF	319.000
	0104- 12-	STAKED TURBIDITY BARRIER- NYLON REINFORCED PVC	LF	191.000
	0104- 15-	SOIL TRACKING PREVENTION DEVICE	EA	15.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	123.000
	0107- 1-	LITTER REMOVAL	AC	3,509.840
	0107- 2-	MOWING	AC	3,127.050
	0108- 2-	MONITOR EXISTING STRUCTURES- VIBRATION MONITORING (21783855201)	LS	1.000
	0110- 1- 1	CLEARING & GRUBBING (21783855201)	LS	1.000
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	22,941.000
	0110- 21-	TREE PROTECTION BARRIER	LF	2,298.000
	0120- 1-	REGULAR EXCAVATION	CY	181,969.500
	0120- 6-	EMBANKMENT	CY	40,909.100
	0121- 70-	FLOWABLE FILL	CY	0.300
	0160- 4-	TYPE B STABILIZATION	SY	134,182.000
	0285-701-	OPTIONAL BASE, BASE GROUP 01	SY	3,015.000
	0285-702-	OPTIONAL BASE, BASE GROUP 02	SY	7,514.000
	0285-703-	OPTIONAL BASE, BASE GROUP 03	SY	3,617.000
	0285-704-	OPTIONAL BASE, BASE GROUP 04	SY	28,769.000
	0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	72,820.000
	0285-710-	OPTIONAL BASE, BASE GROUP 10	SY	8,038.000
	0285-771-	OPTIONAL BASE- GRADED AGGREGATE, GREATER THAN 14"	SY	5,643.000
	0327- 70- 8	MILLING EXISTING ASPHALT PAVEMENT, 2 1/2" AVG DEPTH	SY	162,501.000
	0334- 1- 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22	TN	27,311.900
	0337- 7- 82	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22	TN	19,445.100
	0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	4.100
	0400- 4- 1	CONCRETE CLASS IV, CULVERTS	CY	45.700
	0400- 4- 8	CONC CLASS IV, BULKHEAD	CY	212.300
	0415- 1- 6	REINFORCING STEEL- MISCELLANEOUS	LB	6,943.000
	0415- 1- 8	REINFORCING STEEL- BULKHEAD	LB	16,857.000
	0425- 1-311	INLETS, CURB, TYPE P-1, <10'	EA	30.000
	0425- 1-321	INLETS, CURB, TYPE P-2, <10'	EA	20.000
	0425- 1-331	INLETS, CURB, TYPE P-3, <10'	EA	2.000
	0425- 1-341	INLETS, CURB, TYPE P-4, <10'	EA	4.000
	0425- 1-361	INLETS, CURB, TYPE P-6, <10'	EA	1.000
	0425- 1-411	INLETS, CURB TYPE J-1, <10'	EA	3.000
	0425- 1-412	INLETS, CURB, TYPE J-1, >10'	EA	2.000
	0425- 1-421	INLETS, CURB, TYPE J-2, <10'	EA	1.000
	0425- 1-471	INLETS, CURB, TYPE 7, <10'	EA	10.000
	0425- 1-541	INLETS, DT BOT, TYPE D, <10'	EA	24.000
	0425- 1-543	INLETS, DITCH BOTTOM, TYPE D, J BOT, <10'	EA	4.000
	0425- 1-549	INLETS, DT BOT, TYPE D, MODIFY	EA	1.000
	0425- 1-551	INLETS, DT BOT, TYPE E, <10'	EA	16.000
	0425- 1-559	INLETS, DT BOT, TYPE E, MODIFY	EA	4.000
	0425- 1-581	INLETS, DT BOT, TYPE H, <10'	EA	8.000

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	0425- 1-589	INLETS, DT BOT, TYPE H, MODIFY	EA	1.000
	0425- 1-910	INLETS, CLOSED FLUME	EA	8.000
	0425- 2- 61	MANHOLES, P-8, <10'	EA	12.000
	0425- 2- 71	MANHOLES, J-7, <10'	EA	1.000
	0425- 2- 73	MANHOLES, J-7, PARTIAL	EA	1.000
	0425- 2- 91	MANHOLES, J-8, <10'	EA	10.000
	0425- 2- 92	MANHOLES, J-8, >10'	EA	4.000
	0425- 14- 1	GRATE FOR EXISTING DRAINAGE STRUCTURE, FURNISH AND INSTALL	SF	88.000
	0430-174-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	283.000
	0430-174-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"SD	LF	290.000
	0430-174-136	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 36"SD	LF	227.000
	0430-174-218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 18"SD	LF	450.000
	0430-174-224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 24"SD	LF	46.000
	0430-174-230	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 30"SD	LF	267.000
	0430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	4,594.000
	0430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	5,484.000
	0430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	3,491.000
	0430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	2,772.000
	0430-175-142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	LF	8.000
	0430-175-148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD	LF	391.000
	0430-175-154	PIPE CULVERT, OPT MATERIAL, ROUND, 54"S/CD	LF	53.000
	0430-175-218	PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 18"S/CD	LF	1,121.000
	0430-175-224	PIPE CULVERT,OPTIONAL MATERIAL,OTHER SHAPE-ELIP/ARCH, 24"S/CD	LF	298.000
	0430-175-230	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 30"S/CD	LF	3,663.000
	0430-175-248	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 48"S/CD	LF	3,976.000
	0430-524-200	STRAIGHT CONCRETE ENDWALLS, 24", DOUBLE, 0 DEGREES, ROUND	EA	1.000
	0430-530-100	STRAIGHT CONCRETE ENDWALLS, 30", SINGLE, 0 DEGREES, ROUND	EA	2.000
	0430-530-200	STRAIGHT CONCRETE ENDWALLS, 30", DOUBLE, 0 DEGREES, ROUND	EA	1.000
	0430-530-202	STRAIGHT CONCRETE ENDWALLS, 30", DOUBLE, 0 DEGREES, ELLIPTICAL	EA	2.000
	0430-536-100	STRAIGHT CONCRETE ENDWALLS, 36", SINGLE, 0 DEGREES, ROUND	EA	1.000
	0430-536-300	STRAIGHT CONCRETE ENDWALLS, 36", TRIPLE, 0 DEGREES, ROUND	EA	1.000
	0430-611-129	U-ENDWALL WITH BAFFLES, INDEX 261/430-011, 1:4 SLOPE, 24"PIPE	EA	1.000
	0430-830-	PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE	CY	106.800
	0430-963- 2	PVC PIPE FOR BACK OF SIDEWALK, NON STANDARD DIAMETER	LF	285.000
	0430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	1.000
	0430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	9.000

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	0430-982-133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	4.000
	0430-982-138	MITERED END SECTION, OPTIONAL ROUND, 36" CD	EA	2.000
	0430-982-141	MITERED END SECTION, OPTIONAL ROUND, 48" CD	EA	1.000
	0430-982-142	MITERED END SECTION, OPTIONAL ROUND, 54" CD	EA	1.000
	0430-982-625	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 18" CD	EA	3.000
	0430-984-125	MITERED END SECTION, OPTIONAL ROUND, 18" SD	EA	10.000
	0430-984-129	MITERED END SECTION, OPTIONAL ROUND, 24" SD	EA	7.000
	0430-984-138	MITERED END SECTION , OPTIONAL ROUND, 36" SIDE DRAIN	EA	4.000
	0430-984-141	MITERED END SECTION , OPTIONAL ROUND, 48" SD	EA	2.000
	0430-984-625	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 18" SD	EA	11.000
	0430-984-629	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 24" SD	EA	2.000
	0430-984-633	MITERED END SECT, OPTIONAL /ELLIP/ARCH, 30" SD	EA	12.000
	0455-133- 3	SHEET PILING STEEL, F&I PERMANENT	SF	20,524.000
	0515- 1- 2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	LF	1,524.000
	0520- 1- 7	CONCRETE CURB & GUTTER, TYPE E	LF	22,449.000
	0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	10,433.000
	0520- 5- 11	TRAFFIC SEPARATOR CONCRETE-TYPE I, 4' WIDE	LF	765.000
	0520- 70-	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	SY	4,454.000
	0521- 72- 43	SHOULDER CONCRETE BARRIER, CURB AND GUTTER BARRIER	LF	40.000
	0521- 72-108	SHOULDER CONCRETE BARRIER, 32" F-SHAPE	LF	34.000
	0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	17,463.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	4,894.000
	0524- 1- 1	CONCRETE DITCH PAVT, NON REINFORCED, 3"	SY	5,040.000
	0524- 1- 49	CONCRETE DITCH PAVEMENT, 6", REINFORCED	SY	128.000
	0527- 2-	DETECTABLE WARNINGS	SF	2,225.000
	0530- 3- 4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	36.500
	0530- 74-	BEDDING STONE	TN	26.300
	0536- 1- 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	43.000
	0536- 8-113	GUARDRAIL TRANSITION CONNECTION TO RIGID BARRIER, F&I- INDEX 536-001, TRAILING	EA	1.000
	0536- 85- 24	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	1.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	102,001.000
	0706- 1- 3	RAISED PAVEMENT MARKER, TYPE B	EA	15,755.000
	0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	44.726
	0710- 11-102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	0.209
	0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	4,375.000
	0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	2,434.000
	0710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	12.459
	0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	2.712
	0710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	4.000
	0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	419.000

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ALT	Item	Description	Unit	Quantity
	0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	19.958
	0710- 11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	1,755.000
	0710- 11-231	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SKIP, 6"	GM	0.091
	0710- 11-241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	0.091
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (21783855201)	LS	1.000
Section 0002 Signing				
	0700- 1-111	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, LESS THAN 12 SF	EA	108.000
	0700- 1-112	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, 12.0-20.0 SF	EA	82.000
	0700- 1-113	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, 20.1-30.0 SF	EA	4.000
	0700- 1-500	SINGLE COLUMN GROUND SIGN ASSEMBLY, RELOCATE	EA	5.000
	0700- 1-600	SINGLE COLUMN GROUND SIGN ASSEMBLY, REMOVE	EA	181.000
	0700- 2-500	MULTI-COLUMN GROUND SIGN ASSEMBLY, RELOCATE	EA	7.000
	0700- 2-600	MULTI-COLUMN GROUND SIGN ASSEMBLY, REMOVE	EA	1.000
	0700- 4-114	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, CANTILEVER, 41-50 FT	EA	3.000
	0700- 4-126	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, SPAN, 101-150 FT	EA	1.000
	0700- 4-612	OVERHEAD STATIC SIGN STRUCTURE, DEEP FOUNDATION REMOVAL, CANTILEVER	EA	3.000
	0700- 13- 15	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA	43.000
	0704- 1- 4	TUBULAR MARKER, 36" YELLOW POST	EA	39.000
	0705- 10- 1	OBJECT MARKER, TYPE 1	EA	6.000
	0706- 1- 3	RAISED PAVEMENT MARKER, TYPE B	EA	4,503.000
	0710- 11-190	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ISLAND NOSE	SF	14.000
	0710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	334.000
	0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (21783855201)	LS	1.000
	0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	9,106.000
	0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	2,003.000
	0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	1,690.000
	0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	2.429
	0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	31.000
	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	388.000
	0711- 11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF	51.000
	0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	1,094.000
	0711- 11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	1.272
	0711- 14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	3,935.000
	0711- 14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	73.000

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	0711- 14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	73.000
	0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	21.594
	0711- 16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	2.187
	0711- 16-131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	16.014
	0711- 16-133	THERMOPLASTIC, STANDARD-OTHER SURFACES WHITE, SKIP, 12"- APPROACH TO TOLL PLAZA OR 3-9 LANE DROP	GM	0.075
	0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	10.229
	0711- 16-202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM	0.030
	0711- 16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.251
	0711- 17- 1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF	344.000
	0713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.215
	0713-103-102	PERMANENT TAPE, WHITE, SOLID, 8" EXIT LANE AT INTERCHANGE ON CONCRETE PAVEMENT	GM	0.685
	0713-103-181	PERMANENT TAPE, WHITE, 10-30 SKIP, 6" WIDE, FOR CONCRETE SURFACES	GM	0.274
	0713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.215
	0713-103-381	PERMANENT TAPE, BLACK, 10-30 SKIP, 6" WIDE, FOR CONCRETE SURFACES	GM	0.274
Section 0003 Lighting				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	3,627.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	2,886.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	54.000
	0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	2.000
	0641- 2- 11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA	2.000
	0715- 1- 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	23,067.000
	0715- 7- 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	2.000
	0715- 11-211	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE/ARM, ROADWAY, COBRA HEAD	EA	88.000
	0715- 61-311	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT, 8' ARM LENGTH	EA	37.000
	0715- 61-352	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT, 15' ARM LENGTH	EA	4.000
	0715- 68-000	LIGHT POLE COMPLETE, RELOCATE	EA	1.000
	0715- 69-000	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA	11.000
	0715-500- 1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	129.000
Section 0004 Signalization				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	2,518.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	5,383.000
	0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	6.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	179.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	1.000

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	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	90.000
	0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	1.000
	0641- 2- 80	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- POLE 30' AND GREATER	EA	2.000
	0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	36.000
	0646- 1- 60	ALUMINUM SIGNALS POLE, REMOVE	EA	22.000
	0649- 21- 3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	1.000
	0649- 21- 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	3.000
	0649- 21- 8	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 50'-40'	EA	1.000
	0649- 21- 15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA	4.000
	0649- 21- 21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'	EA	5.000
	0649- 21- 24	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-50'	EA	1.000
	0649- 22- 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 60'	EA	1.000
	0649- 23- 1	STEEL MAST ARM ASSEMBLY, INSTALL/RELOCATE TO EXISTING FOUNDATION	EA	1.000
	0649- 26- 1	STEEL MAST ARM ASSEMBLY, REMOVE, POLE ONLY- ENTIRE FOUNDATION REMAINS	EA	1.000
	0649- 26- 5	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION- BOLT ON ATTACHMENT	EA	9.000
	0649- 26- 7	STEEL MAST ARM ASSEMBLY, REMOVE, REMOVE ARM AND ATTACHMENTS; POLE REMAINS	EA	1.000
	0650- 1- 34	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 3 SECTION, 1 WAY	AS	66.000
	0650- 1- 36	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 4 SECTION, 1 WAY	AS	5.000
	0650- 1- 38	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 5 SECTION STRAIGHT, 1 WAY	AS	3.000
	0650- 1- 70	VEHICULAR TRAFFIC SIGNAL, RELOCATE- INCLUDES REMOVAL AND REINSTALLATION	AS	1.000
	0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	30.000
	0653- 1- 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	6.000
	0660- 1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	EA	60.000
	0660- 1-111	LOOP DETECTOR INDUCTIVE, F&I, TYPE 11, 4 CH, SS, RM	EA	4.000
	0660- 2-102	LOOP ASSEMBLY, F&I, TYPE B	AS	94.000
	0660- 2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	87.000
	0663- 1-122	SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, DETECTOR	EA	1.000
	0663- 1-123	SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, CABINET ELECTRONICS	EA	1.000
	0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	42.000

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ALT	Item	Description	Unit	Quantity
	0670- 5-161	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA W/STANDARD LOCK, 1 PREEMPTION	AS	1.000
	0670- 5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	1.000
	0671- 2- 40	TRAFFIC CONTROLLER, MODIFY	EA	2.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1.000
	0685- 1- 13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA	1.000
	0685- 2- 1	REMOTE POWER MANAGEMENT UNIT- RPMU, FURNISH AND INSTALL	EA	1.000
	0700- 3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	6.000
	0700- 5- 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	5.000
	0700- 5- 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	10.000
	0700- 5- 50	INTERNALLY ILLUMINATED SIGN, RELOCATE	EA	4.000
Section 0005 Utilities				
	0425- 6-	VALVE BOXES, ADJUST	EA	60.000
	0425- 6- 1	METER BOXES, ADJUST	EA	8.000
	1050- 16-003	UTILITY PIPE,REMOVE & DISPOSE, 5-7.9"	LF	600.000
	1050- 16-004	UTILITY PIPE,REMOVE & DISPOSE, 8-19.9"	LF	10,600.000
	1050- 16-005	UTILITY PIPE,REMOVE & DISPOSE, 20-49.9"	LF	920.000
	1050- 18-003	UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, 5- 7.9"	LF	250.000
	1050- 18-004	UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, 8-19.9"	LF	1,660.000
	1050- 31-202	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 2"	LF	200.000
	1050- 31-204	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 4"	LF	100.000
	1050- 31-206	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 6"	LF	300.000
	1050- 31-208	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 8"	LF	40.000
	1050- 31-212	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 12"	LF	5,600.000
	1050- 31-216	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 16"	LF	7,900.000
	1050- 31-220	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 20"	LF	1,400.000
	1050- 31-230	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 30"	LF	5,220.000
	1050- 61-130	UTILITY PIPE- STEEL, FURNISH & INSTALL, CASING, 30"	LF	200.000
	1050- 61-136	UTILITY PIPE- STEEL, FURNISH & INSTALL, CASING, 36"	LF	220.000
	1055- 51-108	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 8"	EA	2.000
	1055- 51-112	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 12"	EA	45.000
	1055- 51-116	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 16"	EA	70.000
	1055- 51-120	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 20"	EA	16.000

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ALT	Item	Description	Unit	Quantity
	1055- 51-130	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 30"	EA	30.000
	1055- 51-212	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 12"	EA	8.000
	1055- 51-216	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 16"	EA	10.000
	1055- 51-230	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 30"	EA	2.000
	1055- 51-308	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 8"	EA	2.000
	1055- 51-312	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 12"	EA	2.000
	1055- 51-316	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 16"	EA	2.000
	1055- 51-508	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 8"	EA	4.000
	1055- 51-512	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 12"	EA	16.000
	1055- 51-516	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 16"	EA	16.000
	1055- 51-520	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 20"	EA	2.000
	1055- 51-530	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL CAP/PLUG, 30"	EA	3.000
	1080- 23-102	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 2"	EA	16.000
	1080- 23-104	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 4"	EA	3.000
	1080- 23-106	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 6"	EA	9.000
	1080- 23-112	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 12"	EA	14.000
	1080- 23-116	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 16"	EA	20.000
	1080- 23-120	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 20"	EA	1.000
	1080- 24-102	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 2"	EA	6.000
	1080- 24-104	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 4"	EA	4.000
	1080- 24-106	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 6"	EA	12.000
	1080- 24-112	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 12"	EA	20.000
	1080- 24-116	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 16"	EA	24.000
	1080- 24-120	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 20"	EA	3.000
	1080- 24-130	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 30"	EA	9.000
	1080- 26-102	UTILITY FIXTURE, VAC/AIR ASSEMBLY, FURNISH & INSTALL 2"	EA	11.000
	1080- 26-106	UTILITY FIXTURE, VAC/AIR ASSEMBLY, FURNISH & INSTALL 6"	EA	3.000
	1080- 29-106	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 6"	EA	10.000
	1080- 29-108	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 8"	EA	2.000
	1080- 29-112	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 12"	EA	40.000

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ALT	Item	Description	Unit	Quantity
	1080- 29-116	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 16"	EA	45.000
	1080- 29-120	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 20"	EA	30.000
	1644-113- 08	FIRE HYDRANT, F&I, STANDARD, 2 HOSE, 1PUMPER, 6"	EA	8.000
	1644-900-	FIRE HYDRANT, REMOVE	EA	7.000
Section 0006 Intelligent Transportation System				
	0102-112-	EXISTING ITS MAINTENANCE	DA	1,500.000
	0611- 1- 1	ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH	MI	2.700
	0611- 2- 1	ITSFM LOCATION DOCUMENTATION- INTERSECTION	EA	7.000
	0611- 2- 2	ITSFM LOCATION DOCUMENTATION- ITS SITE	EA	1.000
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	7,481.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	7,121.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	120.000
	0630- 2- 18	CONDUIT, FURNISH & INSTALL, SPLIT DUCT	LF	56.000
	0633- 1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	1,759.000
	0633- 1-127	FIBER OPTIC CABLE, F&I, UNDERGROUND, 241 - 288 FIBERS	LF	17,313.000
	0633- 1-420	FIBER OPTIC CABLE, RELOCATE, UNDERGROUND	LF	2,001.000
	0633- 1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	14,583.000
	0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	697.000
	0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	6.000
	0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	37.000
	0633- 3- 13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	7.000
	0633- 3- 14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA	7.000
	0633- 3- 16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	7.000
	0633- 6-	FIBER OPTIC CABLE LOCATOR	DA	1,500.000
	0633- 8- 6	MULTI-CONDUCTOR COMMUNICATION CABLE, REMOVE	LF	1,558.000
	0633- 8- 11	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL, CAT 6	LF	2,341.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	24.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	31.000
	0635- 2- 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	6.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	1,051.000
	0639- 2- 6	ELECTRICAL SERVICE WIRE, REMOVE	LF	763.000
	0660- 6-600	VEHICLE DETECTION SYSTEM- AVI, REMOVE COMPLETE SYSTEM	EA	2.000
	0682- 1-173	ITS CCTV CAMERA, NON-PRESSURIZED, IP, HIGH DEFINITION	EA	1.000
	0682- 1-400	ITS CCTV CAMERA, RELOCATE	EA	6.000
	0682- 1-600	ITS CCTV CAMERA, REMOVE & DISPOSAL	EA	1.000
	0924-681- 1	CONNECTED VEHICLE ROADSIDE EQUIPMENT, RSU	EA	1.000
	0924-681- 2	CONNECTED VEHICLE ROADSIDE EQUIPMENT, INDUSTRIAL COMPUTER	EA	1.000
	0924-681- 4	CONNECTED VEHICLE ROADSIDE EQUIPMENT, RSU, RELOCATE	EA	8.000