

Florida Department of Transportation
Bid Solicitation Notice and Approximate Quantities

Letting: 08220329 Call Order: 001 Proposal: E8T44 District:08

Counties: BROWARD

Road Name: ATLANTIC BLVD INTCHNG IMPROVEMENTS (SAWGRASS XWAY MP 8)

Limits: 86472000

Project(s): 44395615201(*) Federal Aid No: N/A

Total Roadway Length:	0.650 Miles	Contract Days:	1119
Total Bridge Length:	0.072 Miles	Letting Date:	03/29/22
Total Proposal Length:	0.722 Miles	Contract Execution Days:	10
		Special Start Date:	N/A
		Aquis/Flexible Start Time:	30

Proposal Budget Estimate: \$62,851,172.00

Please read the full advertisement

Description:

Work consists of providing all labor, materials, equipment and incidentals necessary for widening the SR 869 / Sawgrass Expressway from six (6) to future ten (10) lanes as part of the corridor wide safety and operation improvements. The limits of the project are from North of Commercial Blvd. (MP 7.482) to North of West Atlantic Blvd. (MP 8.968). Construction includes pavement widening, milling and resurfacing, maintenance of traffic, new storm water treatment facilities, new bridge structures, signing, pavement marking improvements, ITS communications, and Interchange improvements. The project also included roadway and drainage improvements on West Atlantic Blvd. between Trailhead Access Road and NW 121st Terrace including pavement resurfacing and minor widenings. No Pre-Bid Conference. Contractor must be prequalified.

The summary of pay items for this project is listed in the Plans.

For projects in excess of \$50 million, in addition to meeting all other qualification requirements of Section 337.14, Florida Statutes, and Rule Chapter 14-22, Florida Administrative Code, any Contractor who is not prequalified and in good standing with the Department as of January 1, 2019, must submit evidence which demonstrates satisfactory completion of at least two projects, each in excess of \$15 million, for the Florida Department of Transportation or for any other state department of transportation. Acceptability of the evidence related to the two projects is at the sole discretion of the Department.

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ALT	Item	Description	Unit	Quantity
Section 0001 Structures				
	0110- 3-	REMOVAL OF EXISTING STRUCTURES/BRIDGES (44395615201)	LS	1.000
	0110- 3-	REMOVAL OF EXISTING STRUCTURES/BRIDGES (44395615201)	LS	1.000
	0120- 6-105	EXPANDED POLYSTYRENE BLOCK, LIGHTWEIGHT FILL, PROJECT 443956-1-52-01	CY	1,084.000
	0121- 70-	FLOWABLE FILL	CY	611.000
	0400- 2- 1	CONCRETE CLASS II, CULVERTS	CY	8.000
	0400- 2- 4	CONC CLASS II, BRIDGE SUPERSTRUCTURE	CY	915.300
	0400- 2- 10	CONCRETE CLASS II, APPROACH SLABS	CY	389.500
	0400- 4- 5	CONCRETE CLASS IV, BRIDGE SUBSTRUCTURE	CY	208.800
	0400- 4- 25	CONCRETE CLASS IV, MASS, SUBSTRUCTURE	CY	348.100
	0400- 7- 1	BRIDGE DECK GROOVING	SY	3,434.000
	0400- 9- 1	BRIDGE DECK PLANING	SY	3,434.000
	0400-147-	COMPOSITE NEOPRENE PADS	CF	22.600

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ALT	Item	Description	Unit	Quantity
	0401- 70- 2	RESTORE SPALLED AREAS, LATEX MODIFIED MORTAR- STYRENE BUTADIENE	CF	8.000
	0401- 70- 7	RESTORE SPALLED AREAS, SHOTCRETE	CF	2,300.800
	0411- 1-	EPOXY MATERIAL FOR CRACK INJECTION- STRUCTURES REHAB	GA	55.000
	0411- 2-	CRACKS INJECT & SEAL- STRUCTURES REHAB	LF	2,816.000
	0415- 1- 1	REINFORCING STEEL- ROADWAY	LB	323.000
	0415- 1- 4	REINFORCING STEEL - BRIDGE SUPERSTRUCTURE	LB	156,764.000
	0415- 1- 5	REINFORCING STEEL- BRIDGE SUBSTRUCTURE	LB	108,283.000
	0415- 1- 9	REINFORCING STEEL- APPROACH SLABS	LB	74,666.000
	0430-950-	DESILTING CONCRETE BOX CULVERT	CY	1,141.000
	0450- 2- 36	PREST BEAMS: FLORIDA-I BEAM 36"	LF	3,600.000
	0451- 70-	PREST SOIL ANCHORS	EA	41.000
	0451- 70- 1	PRESTRESSED SOIL ANCHOR, PERFORMANCE TEST	EA	2.000
	0451- 70- 2	PRESTRESSED SOIL ANCHOR, CREEP TEST	EA	2.000
	0455- 34- 3	PRESTRESSED CONCRETE PILING, 18" SQ	LF	2,774.000
	0455- 34- 5	PRESTRESSED CONCRETE PILING, 24" SQ	LF	2,296.000
	0455- 35- 11	STEEL PILING, HP 12 X 74	LF	684.000
	0455-133- 2	SHEET PILING STEEL, TEMPORARY-CRITICAL	SF	16,929.000
	0455-143- 3	TEST PILES-PRESTRESSED CONCRETE,18" SQ	LF	176.000
	0455-143- 5	TEST PILES-PRESTRESSED CONCRETE,24" SQ	LF	194.000
	0458- 1- 11	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I POURED JOINT WITH BACKER ROD	LF	521.000
	0470- 1-	TREATED TIMBER, STRUCTURAL	MB	12.100
	0521- 5- 12	CONCRETE TRAFFIC RAILING- BRIDGE, 36" MEDIAN SINGLE SLOPE	LF	240.000
	0521- 5- 13	CONCRETE TRAFFIC RAILING- BRIDGE, 36" SINGLE-SLOPE	LF	480.000
	0531- 1- 12	IMPERMEABLE LINER, HDPE GEOMEMBRANE OVER EPS BLOCK, PROJECT 443956-1-52-01	SY	1,472.000
	0548- 12-	RETAINING WALL SYSTEM, PERMANENT, EXCLUDING BARRIER	SF	6,801.000
	0548- 13-	RETAINING WALL SYSTEM,TEMPORARY, EXCLUDING BARRIER	SF	6,779.000
	0630- 2- 16	CONDUIT, FURNISH & INSTALL, EMBEDDED CONCRETE BARRIERS AND TRAFFIC RAILINGS	LF	1,920.000
	0635- 3- 13	JUNCTION BOX, FURNISH & INSTALL, EMBEDDED	EA	12.000
Section 0002 Roadway				
	0101- 1-	MOBILIZATION (44395615201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (44395615201)	LS	1.000
	0102- 2-200	SPECIAL DETOUR- TEMPORARY PAVEMENT (44395615201)	LS	1.000
	0102- 2-300	SPECIAL DETOUR- TEMPORARY EARTHWORK/BASE (44395615201)	LS	1.000
	0102- 4- 1	PEDESTRIAN OR BICYCLE SPECIAL DETOUR (44395615201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	3,184.000
	0102- 30-	TEMPORARY HIGHWAY LIGHTING	LS	1.000
	0102- 60-	WORK ZONE SIGN	ED	47,174.000
	0102- 71- 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF	1,656.000
	0102- 71- 15	TEMPORARY BARRIER, F&I, ANCHORED	LF	47,380.000
	0102- 71- 16	TEMPORARY BARRIER, F&I, FREE STANDING	LF	9,490.000
	0102- 71- 25	TEMPORARY BARRIER, RELOCATE, ANCHORED	LF	99,717.000
	0102- 71- 26	TEMPORARY BARRIER, RELOCATE, FREE STANDING	LF	10,980.000

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	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	385,276.000
	0102- 74- 8	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	FD	1,037,029.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	4,920.000
	0102- 89- 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	87.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	4,044.000
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	2,238.000
	0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	2,238.000
	0102-115-	TYPE III BARRICADE	ED	9,832.000
	0102-913- 12	REMOVABLE TAPE, BLACK, 10'-30', 3'-9', 6'-10', or 2'-4' SKIP	GM	0.304
	0102-913- 21	REMOVABLE TAPE, WHITE, SOLID 6"	GM	0.304
	0102-913- 22	REMOVABLE TAPE, WHITE, 10'-30', 3'-9', 6'-10', or 2'-4' SKIP, 6" WIDE	GM	0.304
	0102-913- 23	REMOVABLE TAPE, WHITE, 24" STOP BAR	LF	347.000
	0102-913- 24	REMOVABLE TAPE, WHITE, 12" CROSSWALK	LF	320.000
	0102-913- 31	REMOVABLE TAPE, YELLOW, SOLID, 6"	GM	0.304
	0104- 10- 3	SEDIMENT BARRIER	LF	20,033.000
	0104- 11-	FLOATING TURBIDITY BARRIER	LF	6,525.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	109.000
	0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING (44395615201)	LS	1.000
	0110- 1- 1	CLEARING & GRUBBING (44395615201)	LS	1.000
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	3,343.000
	0110- 21-	TREE PROTECTION BARRIER	LF	4,685.000
	0110- 22-	TREE ROOT AND BRANCH PRUNING	EA	34.000
	0110- 23-	TREE REMOVAL	EA	338.000
	0120- 1-	REGULAR EXCAVATION	CY	132,854.000
	0120- 4-	SUBSOIL EXCAVATION	CY	3,972.000
	0120- 6-	EMBANKMENT	CY	113,189.000
	0121- 70-	FLOWABLE FILL	CY	661.000
	0160- 4-	TYPE B STABILIZATION	SY	180,630.000
	0285-701-	OPTIONAL BASE, BASE GROUP 01	SY	7,853.000
	0285-702-	OPTIONAL BASE, BASE GROUP 02	SY	43,115.000
	0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	18,209.000
	0285-710-	OPTIONAL BASE, BASE GROUP 10	SY	105,187.000
	0285-711-	OPTIONAL BASE, BASE GROUP 11	SY	612.000
	0285-713-	OPTIONAL BASE, BASE GROUP 13	SY	254.000
	0327- 70- 1	MILLING EXISTING ASPHALT PAVEMENT, 1" AVG DEPTH	SY	1,011.000
	0327- 70- 4	MILLING EXISTING ASPHALT PAVEMENT, 3" AVG DEPTH	SY	2,431.000
	0327- 70- 6	MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH	SY	16,655.000
	0327- 70- 11	MILLING EXISTING ASPHALT PAVEMENT, 2 1/4" AVG DEPTH	SY	33,272.000
	0327- 70- 17	MILLING EXISTING ASPHALT PAVEMENT, 3 1/4" AVG DEPTH	SY	5,271.000
	0334- 1- 12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	3,750.000
	0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	3,098.000
	0334- 1- 52	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG76-22	TN	1,008.000
	0334- 1- 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22	TN	1,985.000

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	0334- 1- 55	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC E, PG76-22	TN	27,415.000
	0337- 7- 25	ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, PG 76-22	TN	3,911.000
	0337- 7- 81	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-12.5, PG 76-22	TN	338.000
	0337- 7- 82	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22	TN	1,352.000
	0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	914.800
	0400- 0- 11	CONCRETE CLASS NS, GRAVITY WALL INDEX 400-011	CY	4.800
	0400- 4- 8	CONC CLASS IV, BULKHEAD	CY	1,590.000
	0415- 1- 8	REINFORCING STEEL- BULKHEAD	LB	120,175.000
	0425- 1-211	INLETS, CURB, TYPE 10, <10'	EA	1.000
	0425- 1-311	INLETS, CURB, TYPE P-1, <10'	EA	2.000
	0425- 1-341	INLETS, CURB, TYPE P-4, <10'	EA	2.000
	0425- 1-351	INLETS, CURB, TYPE P-5, <10'	EA	7.000
	0425- 1-361	INLETS, CURB, TYPE P-6, <10'	EA	4.000
	0425- 1-501	INLETS, DT BOT, TYPE A, <10'	EA	1.000
	0425- 1-521	INLETS, DT BOT, TYPE C, <10'	EA	1.000
	0425- 1-531	INLETS, DITCH BOTTOM, TYPE C MODIFIED- BACK OF SIDEWALK, <10'	EA	2.000
	0425- 1-541	INLETS, DT BOT, TYPE D, <10'	EA	8.000
	0425- 1-543	INLETS, DITCH BOTTOM, TYPE D, J BOT, <10'	EA	1.000
	0425- 1-581	INLETS, DT BOT, TYPE H, <10'	EA	5.000
	0425- 1-589	INLETS, DT BOT, TYPE H, MODIFY	EA	7.000
	0425- 1-701	INLETS, GUTTER, TYPE S, <10'	EA	7.000
	0425- 1-790	INLETS, MEDIAN BARRIER, TYPE 2, <=10'	EA	25.000
	0425- 1-793	INLETS, MEDIAN BARRIER, TYPE 2, J BOT, <10'	EA	3.000
	0425- 1-921	INLETS, ADJACENT BARRIER, <=10'	EA	9.000
	0425- 1-923	INLETS, ADJACENT BARRIER, J BOTTOM, < 10'	EA	4.000
	0425- 2- 41	MANHOLES, P-7, <10'	EA	2.000
	0425- 2- 61	MANHOLES, P-8, <10'	EA	7.000
	0425- 2- 63	MANHOLES, P-8, PARTIAL	EA	1.000
	0425- 2- 71	MANHOLES, J-7, <10'	EA	3.000
	0425- 2- 91	MANHOLES, J-8, <10'	EA	1.000
	0425- 4-	INLETS, ADJUST	EA	1.000
	0425- 6-	VALVE BOXES, ADJUST	EA	5.000
	0430-175-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"S/CD	LF	89.000
	0430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	LF	5,612.000
	0430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD	LF	4,109.000
	0430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	643.000
	0430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	348.000
	0430-175-142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	LF	68.000
	0430-524-100	STRAIGHT CONCRETE ENDWALLS, 24", SINGLE, 0 DEGREES, ROUND	EA	2.000
	0430-536-100	STRAIGHT CONCRETE ENDWALLS, 36", SINGLE, 0 DEGREES, ROUND	EA	3.000
	0430-611-025	U-ENDWALL, INDEX 261/430-011, BAFFLES, 1:6 SLOPE, 18"PIPE	EA	1.000

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	0430-611-125	U-ENDWALL WITH BAFFLES, INDEX 261/430-011, 1:4 SLOPE, 18"PIPE	EA	6.000
	0430-611-129	U-ENDWALL WITH BAFFLES, INDEX 261/430-011, 1:4 SLOPE, 24"PIPE	EA	4.000
	0430-611-225	U-ENDWALL WITH BAFFLES, INDEX 261/430-011, 1:3 SLOPE, 18"PIPE	EA	7.000
	0430-611-325	U-ENDWALL WITH BAFFLES, INDEX 261/430-011, 1:2 SLOPE, 18"PIPE	EA	1.000
	0430-963- 1	PVC PIPE FOR BACK OF SIDEWALK, 4"	LF	19.000
	0455-133- 2	SHEET PILING STEEL, TEMPORARY-CRITICAL	SF	69,503.000
	0455-133- 3	SHEET PILING STEEL, F&I PERMANENT	SF	146,212.000
	0515- 2-211	PEDESTRIAN / BICYCLE RAILING, STEEL, 42" TYPE 1	LF	78.000
	0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	5,651.000
	0520- 2- 4	CONCRETE CURB, TYPE D	LF	160.000
	0520- 2- 10	CONCRETE CURB, TOLL HEADER CURB	LF	130.000
	0520- 5- 41	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	LF	218.000
	0520- 6-	SHOULDER GUTTER- CONCRETE	LF	1,165.000
	0521- 1- 12	MEDIAN CONCRETE BARRIER, SHORT GRADE-SEPARATED	LF	7,558.000
	0521- 1- 13	MEDIAN CONCRETE BARRIER, TALL GRADE-SEPARATED	LF	627.000
	0521- 8- 7	CONCRETE BARRIER, WITH JUNCTION SLAB, 36" SINGLE SLOPE	LF	4,924.000
	0521- 72- 40	SHOULDER CONCRETE BARRIER, 38" OR 44" HEIGHT	LF	566.000
	0521- 72- 43	SHOULDER CONCRETE BARRIER, CURB AND GUTTER BARRIER	LF	565.000
	0521- 72- 61	SHOULDER CONCRETE BARRIER, VARIABLE WIDTH FOR WALL OR SIGN SHIELDING	LF	156.000
	0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	431.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	1,591.000
	0524- 1- 2	CONCRETE DITCH PAVEMENT, NON REINFORCED, 4"	SY	162.000
	0524- 3-	CONC CORE DITCH BLOCKS	CY	58.000
	0527- 2-	DETECTABLE WARNINGS	SF	120.000
	0530- 1-100	RIPRAP, SAND-CEMENT BAGS	CY	8.000
	0530- 3- 4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	35.000
	0530- 74-	BEDDING STONE	TN	21.000
	0536- 1- 0	GUARDRAIL -ROADWAY, GENERAL/LOW SPEED TL-2	LF	1,316.000
	0536- 1- 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	12,627.000
	0536- 1- 3	GUARDRAIL- ROADWAY, DOUBLE FACE	LF	878.000
	0536- 7- 2	SPECIAL GUARDRAIL POST- SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT	EA	50.000
	0536- 8-112	GUARDRAIL TRANSITION CONNECTION TO RIGID BARRIER, F&I- INDEX 536-001, APPROACH TL-3	EA	8.000
	0536- 73-	GUARDRAIL REMOVAL	LF	29,244.000
	0536- 85- 20	GUARDRAIL END TREATMENT- TRAILING ANCHORAGE	EA	15.000
	0536- 85- 24	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	7.000
	0536- 85- 26	GUARDRAIL END TREATMENT- TYPE CRT	EA	3.000
	0536- 85- 27	GUARDRAIL END TREATMENT- DOUBLE FACE APPROACH TERMINAL	EA	1.000
	0536- 85- 29	GUARDRAIL END TREATMENT- DOUBLE FACE TRAILING ANCHORAGE	EA	1.000
	0546- 72- 1	GROUND-IN RUMBLE STRIPS, 16"	GM	5.100
	0548- 12-	RETAINING WALL SYSTEM, PERMANENT, EXCLUDING BARRIER	SF	97,191.000
	0548- 13-	RETAINING WALL SYSTEM,TEMPORARY, EXCLUDING BARRIER	SF	45,509.000
	0550- 10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	LF	12,363.000

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	0550- 60-224	FENCE GATE, TYPE B, DOUBLE, 18.1-20.0' OPENING	EA	2.000
	0550- 60-234	FENCE GATE, TYPE B, SLIDING/CANTILEVER, 18.1-20.0' OPENING	EA	2.000
	0550- 60-513	FENCE GATE, TUBULAR METAL PIPE, SINGLE, 12.1-18.0' OPENING	EA	2.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	139,798.000
	0590- 70- 5	IRRIGATION SYSTEM- MODIFY EXISTING SYSTEM (44395615201)	LS	1.000
	0639- 8- 61	ELECTRICAL POWER SERVICE- CONTRIBUTION IN AID OF CONSTRUCTION (CIAC), PROJECT 443956-1-52-01 (DO NOT BID) (44395615201)	LS	1.000
	0706- 1- 3	RAISED PAVEMENT MARKER, TYPE B	EA	17,024.000
	0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	24.038
	0710- 11-102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	0.151
	0710- 11-103	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE MARKINGS, 12"	GM	2.190
	0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	2,216.000
	0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	1,980.000
	0710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	26.384
	0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.510
	0710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	31.000
	0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	80.000
	0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	17.537
	0710- 11-241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	0.032
	0999- 16-	PARTNERING, DO NOT BID (44395615201)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (44395615201)	LS	1.000
Section 0003 Signing				
	0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	43.000
	0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	15.000
	0700- 1- 13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS	1.000
	0700- 1- 14	SINGLE POST SIGN, F&I GROUND MOUNT, 31+ SF	AS	4.000
	0700- 1- 21	SINGLE POST SIGN, F&I BARRIER MOUNT INDEX 11871/700-013 UP TO 12 SF	AS	2.000
	0700- 1- 31	SINGLE POST SIGN, F&I BRIDGE MOUNT INDEX 11870/700-012, UP TO 12 SF	AS	1.000
	0700- 1- 50	SINGLE POST SIGN, RELOCATE	AS	3.000
	0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	58.000
	0700- 2- 14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS	3.000
	0700- 2- 15	MULTI- POST SIGN, F&I GROUND MOUNT, 51-100 SF	AS	2.000
	0700- 2- 16	MULTI- POST SIGN, F&I GROUND MOUNT, 101-200 SF	AS	2.000
	0700- 2- 50	MULTI- POST SIGN, GROUND MOUNT, RELOCATE	AS	6.000
	0700- 2- 60	MULTI- POST SIGN, REMOVE	AS	5.000
	0700- 3-206	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 101-200 SF	EA	2.000
	0700- 3-207	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 201-300 SF	EA	1.000

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	0700- 3-209	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 401-500 SF	EA	1.000
	0700- 3-606	SIGN PANEL, REMOVE, 101-200 SF	EA	3.000
	0700- 3-609	SIGN PANEL, REMOVE, 401-500 SF	EA	1.000
	0700- 4-112	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, CANTILEVER, 21-30 FT	EA	4.000
	0700- 4-610	OVERHEAD STATIC SIGN STRUCTURE, REMOVE CANTILEVER	EA	4.000
	0700- 6- 11	HIGHLIGHTED SIGN, F&I GROUND MOUNT- AC POWERED, UP TO 12 SF	AS	8.000
	0700- 13- 14	RETROREFLECTIVE SIGN STRIP- WRONG WAY SIGN POST, 2'	EA	12.000
	0705- 10- 3	OBJECT MARKER, TYPE 3	EA	5.000
	0706- 1- 3	RAISED PAVEMENT MARKER, TYPE B	EA	2,182.000
	0710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	39.000
	0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (44395615201)	LS	1.000
	0711- 11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM	0.353
	0711- 11-103	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR INTERCHANGE MARKINGS	GM	0.844
	0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	1,061.000
	0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	2,217.000
	0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.680
	0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	22.000
	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	72.000
	0711- 11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF	12.000
	0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	12,558.000
	0711- 11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.076
	0711- 14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	418.000
	0711- 14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	14.000
	0711- 14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	9.000
	0711- 15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	7.050
	0711- 15-102	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 8"	GM	0.311
	0711- 15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	8.352
	0711- 15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	5.636
	0713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.091
	0713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM	0.274
	0713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.091
	0713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM	0.182

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ALT	Item	Description	Unit	Quantity
Section 0004 Lighting				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	17,710.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	866.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	135.000
	0630- 2- 15	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT	LF	582.000
	0630- 2- 16	CONDUIT, FURNISH & INSTALL, EMBEDDED CONCRETE BARRIERS AND TRAFFIC RAILINGS	LF	5,658.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	122.000
	0635- 3- 13	JUNCTION BOX, FURNISH & INSTALL, EMBEDDED	EA	51.000
	0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	2.000
	0639- 1-610	ELECTRICAL POWER SERVICE, REMOVE OVERHEAD	AS	2.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	390.000
	0639- 3- 12	ELECTRICAL SERVICE DISCONNECT, F&I, CABINET	EA	2.000
	0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	2.000
	0715- 1- 11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR <	LF	3,121.000
	0715- 1- 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	79,644.000
	0715- 1- 13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF	68,522.000
	0715- 1- 14	LIGHTING CONDUCTORS, F&I, INSULATED, NO 1 TO NO 0	LF	55,368.000
	0715- 1- 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	144,941.000
	0715- 4- 12	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT	EA	1.000
	0715- 4- 15	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 50' MOUNTING HEIGHT	EA	125.000
	0715- 4- 70	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA	132.000
	0715- 7- 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	2.000
	0715- 7- 41	LOAD CENTER, REMOVE, SECONDARY VOLTAGE	EA	1.000
	0715- 11-125	LUMINAIRE, F&I, UNDER DECK, WALL MOUNT	EA	8.000
	0715- 11-500	LUMINAIRE, REMOVE	EA	8.000
	0715-500- 1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	125.000
	0715-500- 3	POLE CABLE DISTRIBUTION SYSTEM, WALL MOUNT	EA	8.000
Section 0005 Signalization				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	720.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	776.000
	0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	2.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	57.000
	0639- 1-123	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER NOT REQUIRED	AS	2.000
	0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	2.000
	0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	2.000
	0641- 2- 60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL-PEDESTAL/SERVICE POLE	EA	2.000
	0641- 2- 80	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL-POLE 30' AND GREATER	EA	4.000
	0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	7.000

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ALT	Item	Description	Unit	Quantity
	0646- 1- 12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA	4.000
	0646- 1- 60	ALUMINUM SIGNALS POLE, REMOVE	EA	6.000
	0649- 21- 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	4.000
	0649- 21- 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	3.000
	0649- 21- 15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA	1.000
	0649- 21- 21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'	EA	1.000
	0649- 26- 5	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION- BOLT ON ATTACHMENT	EA	4.000
	0650- 1- 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	27.000
	0650- 1- 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	2.000
	0650- 1- 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	1.000
	0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	6.000
	0653- 1- 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	3.000
	0660- 4- 11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	2.000
	0660- 4- 12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	10.000
	0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	12.000
	0670- 5-140	TRAFFIC CONTROLLER ASSEMBLY, FURNISH & INSTALL MODEL 207C	AS	2.000
	0670- 5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	2.000
	0676- 1-116	TRAFFIC SIGNAL CONTROLLER CABINET, FURNISH & INSTALL WITHOUT CONTROLLER, NEMA SIZE6, 44" W X 52" H X 24" D	EA	1.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	2.000
	0700- 3-201	SIGN PANEL, 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	7.000
Section 0006 Intelligent Transportation System				
	0611- 1- 1	ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH	MI	1.500
	0611- 2- 2	ITSFM LOCATION DOCUMENTATION- ITS SITE	EA	11.000
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	8,772.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	13,904.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	140.000
	0633- 1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	5,338.000
	0633- 1-124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97 - 144 FIBERS	LF	30,160.000
	0633- 1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	29,419.000
	0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	916.000
	0633- 2- 32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	336.000
	0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	16.000
	0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	12.000

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ALT	Item	Description	Unit	Quantity
	0633- 3- 16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	9.000
	0633- 3- 51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA	7.000
	0633- 6-	FIBER OPTIC CABLE LOCATOR	DA	1,119.000
	0633- 8- 1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	40.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	51.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	13.000
	0635- 2-118	PULL & SPLICE BOX, F&I, HS-20 FOR TPE, 54" X 54"	EA	10.000
	0639- 1-112	ELECTRICAL POWER SERVICE, F&I, OVERHEAD METER PURCHASED BY CONTRACTOR FROM POWER COMPANY	AS	1.000
	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	24,350.000
	0639- 2- 6	ELECTRICAL SERVICE WIRE, REMOVE	LF	14,815.000
	0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	12.000
	0639- 6- 1	ELECTRICAL POWER SERVICE- TRANSFORMER FURNISH & INSTALL	EA	13.000
	0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	4.000
	0641- 2- 13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	EA	5.000
	0641- 2- 80	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- POLE 30' AND GREATER	EA	6.000
	0641- 3-163	CONCRETE CCTV POLE, FURNISH & INSTALL WITH LOWERING DEVICE, 63'	EA	1.000
	0641- 3-186	CONCRETE CCTV POLE, FURNISH & INSTALL WITH LOWERING DEVICE, 86'	EA	1.000
	0646- 2-600	ALUMINUM POLE- INDEX 695-001, REMOVE	EA	2.000
	0660- 3- 11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA	6.000
	0660- 3- 12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	6.000
	0660- 3- 52	VEHICLE DETECTION SYSTEM - MICROWAVE, ADJUST & MODIFY, ABOVE GROUND EQUIPMENT	EA	3.000
	0660- 6-121	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA	1.000
	0660- 6-122	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	1.000
	0660- 7- 12	VEHICLE DETECTION SYSTEM- WRONG WAY FOR EXIT RAMP, 3 OR MORE LANES	EA	2.000
	0676- 2-122	ITS CABINET, FURNISH & INSTALL, POLE MOUNT WITH SUNSHIELD, 336S, 24" W X 46" H X 22" D	EA	7.000
	0676- 2-142	ITS CABINET, FURNISH & INSTALL, BASE MOUNT WITH SUNSHIELD, 336S, 24" W X 46" H X 22" D	EA	2.000
	0682- 1-133	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, IP, HIGH DEFINITION	EA	2.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	9.000
	0684- 2- 1	DEVICE SERVER, FURNISH & INSTALL	EA	6.000
	0685- 1- 12	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, ONLINE/DOUBLE CONVERSION	EA	9.000
	0685- 2- 1	REMOTE POWER MANAGEMENT UNIT- RPMU, FURNISH AND INSTALL	EA	9.000