

Florida Department of Transportation
Bid Solicitation Notice and Approximate Quantities

Letting: 08190611 Call Order: 001 Proposal: E8R80 District:08

Counties: MIAMI-DADE

Road Name: WIDEN HEFT FROM SR836 TO NW 106TH ST

Limits: 87471000

Project(s): 43554315201(*) Federal Aid No: N/A

Total Roadway Length:	12.050 Miles	Contract Days:	1810
Total Bridge Length:	1.289 Miles	Letting Date:	06/11/19
Total Proposal Length:	13.339 Miles	Contract Execution Days:	10
		Special Start Date:	N/A
		Aquis/Flexible Start Time:	30

Proposal Budget Estimate: \$204,966,931.00

Please read the full advertisement

Description:

Work consists of providing all labor, materials, equipment and incidentals necessary for widening the Homestead Extension of the Florida's Turnpike (HEFT/SR 821) from 6/8 lanes to 10 lanes with express lanes, from milepost 26 to milepost 34. Improvements include milling and resurfacing and overbuild, widening and reconstruction of the HEFT/SR 821 mainline and associated interchanges improvements at NW 12th Street, NW 41st Street, NW 74th Street, and NW 106th Street. HEFT/SR 821 mainline or C-D road bridges to be widened over SR 836/NW 12th Street, NW 25th Street, NW 41st Street, NW 58th Street and the NW 74th Street Canal, and ramp bridges to be widened at NW 41st Street and NW 74th Street. Interchange improvements at SR 836 include the construction of three new ramps including direct connection ramp flyovers (Category II Bridges) from eastbound and westbound SR 836 to northbound HEFT/SR 821 express lanes, and from the southbound HEFT/SR 821 express lanes to eastbound and westbound SR 836. In addition, three new ramp bridges will be constructed at the SR 836 and NW 12th Street Interchanges. NW 117th Avenue will be converted from a two lane two way frontage road between NW 34th Street and NW 41st Street, and from NW 41st Street to NW 50th Street, to a single lane northbound only roadway, and new NW 117th Avenue single lane bridge will be constructed over NW 41st Street with ramp access to northbound HEFT/SR 821 and a slip ramp connecting northbound only NW 117th Avenue local traffic across NW 41st Street. Other improvements include subsoil excavation of unsuitable materials to facilitate roadway construction, signing and marking, drainage and stormwater management improvements, highway lighting, and upgraded ITS infrastructure. Several toll facilities are being added or replaced including the construction of 4 new All Electronic Tolling (AET) express lane facilities, 4 replacement ramp AET facilities, and new AET mainline facility with accessible toll gantries for both express and general purpose toll lanes located north of NW 74th Street. No Pre-Bid Conference. Contractor must be prequalified.

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

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ALT	Item	Description	Unit	Quantity
Section 0001 Structures				
	0110- 3-	REMOVAL OF EXISTING STRUCTURES/BRIDGES (43554315201)	LS	1.000
	0110- 3-	REMOVAL OF EXISTING STRUCTURES/BRIDGES (43554315201)	LS	1.000
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	0400- 2- 4	CONC CLASS II, BRIDGE SUPERSTRUCTURE	CY	8,539.400
	0400- 2- 10	CONCRETE CLASS II, APPROACH SLABS	CY	1,569.900
	0400- 3- 20	CONC CLASS III, SEAL	CY	206.700
	0400- 4- 5	CONCRETE CLASS IV, BRIDGE SUBSTRUCTURE	CY	1,731.700
	0400- 4- 25	CONCRETE CLASS IV, MASS, SUBSTRUCTURE	CY	3,195.900
	0400- 7-	BRIDGE DECK GROOVING, LESS THAN 8.5"	SY	10,279.000
	0400- 9-	BRIDGE DECK GROOVING & PLANING, DECK 8.5" AND GREATER	SY	24,971.000
	0400-147-	COMPOSITE NEOPRENE PADS	CF	220.600
	0400-148-	PLAIN NEOPRENE BEARING PADS	CF	30.000
	0401- 70- 4	RESTORE SPALLED AREAS, PORTLAND CEMENT GROUT	CF	70.000
	0415- 1- 4	REINFORCING STEEL - BRIDGE SUPERSTRUCTURE	LB	2,089,787.000
	0415- 1- 5	REINFORCING STEEL- BRIDGE SUBSTRUCTURE	LB	1,282,506.000
	0415- 1- 9	REINFORCING STEEL- APPROACH SLABS	LB	317,382.000
	0450- 1- 1	PRESTRESSED BEAMS, TYPE II	LF	655.000
	0450- 1-201	PREST BEAMS, TYPE II, MODIFIED	LF	1,010.000
	0450- 2- 36	PREST BEAMS: FLORIDA-I BEAM 36"	LF	10,498.000
	0450- 2- 45	PREST BEAMS: FLORIDA-I BEAM 45"	LF	5,082.000
	0450- 2- 54	PREST BEAMS: FLORIDA-I BEAM 54"	LF	954.000
	0450- 2- 72	PREST BEAMS: FLORIDA-I BEAM 72"	LF	950.000
	0450- 2- 78	PREST BEAMS: FLORIDA-I BEAM 78"	LF	7,820.000
	0451- 70-	PREST SOIL ANCHORS	EA	40.000
	0451- 70- 1	PRESTRESSED SOIL ANCHOR, PERFORMANCE TEST	EA	2.000
	0451- 70- 2	PRESTRESSED SOIL ANCHOR, CREEP TEST	EA	4.000
	0455- 34- 3	PRESTRESSED CONCRETE PILING, 18" SQ	LF	13,101.000
	0455- 34- 5	PRESTRESSED CONCRETE PILING, 24" SQ	LF	11,865.000
	0455- 34- 6	PRESTRESSED CONCRETE PILING, 30" SQ	LF	730.000
	0455- 34-317	PRESTRESSED CONCRETE PILING, INCLUDES 100% DYNAMIC TESTING, PROJECT 435543-1-52-01, SIZE 18"	LF	375.000
	0455- 39- 10	MICROPILES, FURNISH AND INSTALL, 10"	LF	646.000
	0455- 88- 5	DRILLED SHAFT, 48" DIA	LF	957.000
	0455- 88- 7	DRILLED SHAFT, 72" DIA	LF	201.000
	0455- 88- 8	DRILLED SHAFT, 54" DIA	LF	1,122.000
	0455-101- 1	TEST LOAD, BIDIRECTIONAL CELL, LESS THAN FIVE CELLS	EA	1.000
	0455-111-	CORE-PILOT HOLE, DRILLED SHAFT EXCAVATION	LF	2,740.000
	0455-122- 5	EXCAVATION UNCLASSIFIED SHAFT, 48" DIA	LF	1,025.000
	0455-122- 7	EXCAVATION UNCLASSIFIED SHAFT, 72" DIA	LF	205.000
	0455-122- 8	EXCAVATION UNCLASSIFIED SHAFT, 54" DIA	LF	1,155.000
	0455-143- 3	TEST PILES-PRESTRESSED CONCRETE,18" SQ	LF	3,230.000
	0455-143- 5	TEST PILES-PRESTRESSED CONCRETE,24" SQ	LF	1,380.000
	0455-143- 6	TEST PILES-PRESTRESSED CONCRETE,30" SQ	LF	210.000
	0455-147- 1	THERMAL INTEGRITY TESTING, UP TO 4' SHAFT DIAMETER	EA	29.000

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	0455-147- 2	THERMAL INTEGRITY TESTING, 4.5-6" SHAFT DIAMETER	EA	39.000
	0458- 1- 11	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I POURED JOINT WITH BACKER ROD	LF	2,815.000
	0458- 1- 12	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I STRIP SEAL	LF	138.000
	0458- 1- 21	BRIDGE DECK EXPANSION JOINT, REHABILITATION, POURED JOINT WITH BACKER ROD	LF	2,182.000
	0459- 71-	PILES, POLYETHYLENE SHEETING	SY	2,552.000
	0460- 2- 20	STRUCT STEEL - NEW/WIDENING, WEATHERING (43554315201)	LS	1.000
	0460- 2- 20	STRUCT STEEL - NEW/WIDENING, WEATHERING (43554315201)	LS	1.000
	0460- 71- 4	METAL TRAFFIC RAILING, RECTANGULAR TUBE RETROFIT	LF	794.000
	0506- 2-	BRIDGE DRAINAGE PIPE	LF	322.000
	0506- 3-	BRIDGE DRAINS	EA	4.000
	0521- 5- 12	CONCRETE TRAFFIC RAILING- BRIDGE, 36" MEDIAN SINGLE SLOPE	LF	702.000
	0521- 5- 13	CONCRETE TRAFFIC RAILING- BRIDGE, 36" SINGLE-SLOPE	LF	3,958.000
	0521- 5- 14	CONCRETE TRAFFIC RAILING- BRIDGE, 42" SINGLE-SLOPE	LF	8,746.000
	0521- 5- 22	CONCRETE TRAFFIC RAILING- BRIDGE, 8'-0" NOISE WALL	LF	852.000
	0524- 2- 2	CONCRETE SLOPE PAVEMENT, NON REINFORCED, 4"	SY	1,690.000
	0530- 1-	RIPRAP, SAND-CEMENT	CY	18.200
	0530- 3- 3	RIPRAP- RUBBLE, BANK AND SHORE	TN	559.000
	0530- 4- 4	ARTICULATING CONCRETE BLOCK REVETMENT SYSTEM, THICKNESS 4"	SY	751.000
	0530- 74-	BEDDING STONE	TN	199.000
	0550- 10-334	FENCING, TYPE R, 6.1-7.0', PARTIAL ENCLOSURE	LF	808.000
Section 0002 Roadway				
	0101- 1-	MOBILIZATION (43554315201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (43554315201)	LS	1.000
	0102- 2- 1	SPECIAL DETOUR 1 (43554315201)	LS	1.000
	0102- 2- 2	SPECIAL DETOUR 2 (43554315201)	LS	1.000
	0102- 2- 3	SPECIAL DETOUR 3 (43554315201)	LS	1.000
	0102- 2- 4	SPECIAL DETOUR 4 (43554315201)	LS	1.000
	0102- 2- 5	SPECIAL DETOUR 5 (43554315201)	LS	1.000
	0102- 2- 6	SPECIAL DETOUR 6 (43554315201)	LS	1.000
	0102- 2- 7	SPECIAL DETOUR 7 (43554315201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	4,552.000
	0102- 30- 9	TEMPORARY HIGHWAY LIGHTING, PROJECT 435543-1-52-01	LS	1.000
	0102- 60-	WORK ZONE SIGN	ED	344,338.000
	0102- 62-	BARRIER MOUNTED WORK ZONE SIGN- INDEX 11871/700-013	ED	32,382.000
	0102- 71- 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF	5,717.000
	0102- 71- 15	TEMPORARY BARRIER, F&I, ANCHORED	LF	95,772.000
	0102- 71- 16	TEMPORARY BARRIER, F&I, FREE STANDING	LF	3,017.000
	0102- 71- 23	TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE	LF	1,452.000
	0102- 71- 25	TEMPORARY BARRIER, RELOCATE, ANCHORED	LF	198,400.000
	0102- 71- 26	TEMPORARY BARRIER, RELOCATE, FREE STANDING	LF	3,463.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	1,676,978.000
	0102- 74- 2	CHANNELIZING DEVICE, TYPE III, 6'	ED	21,947.000

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	0102- 74- 7	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	LF	2,562.000
	0102- 75- 1	TEMPORARY SEPARATOR, F&I REMOVE	LF	1,340.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	2,067.000
	0102- 78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	46,266.000
	0102- 89- 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	174.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	9,839.000
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	9,050.000
	0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	9,050.000
	0102-150- 1	PORTABLE REGULATORY, SIGN	ED	2,916.000
	0102-150- 2	RADAR SPEED DISPLAY UNIT	ED	2,684.000
	0102-911- 1	PAVEMENT MARKING REMOVABLE TAPE, WHITE OR BLACK, SKIP	LF	15,951.000
	0102-911- 2	PAVEMENT MARKING REMOVABLE TAPE, WHITE OR BLACK,SOLID	LF	16,063.000
	0102-912- 2	PAVEMENT MARKING REMOVABLE TAPE, YELLOW, SOLID	LF	11,037.000
	0104- 10- 3	SEDIMENT BARRIER	LF	56,837.000
	0104- 11-	FLOATING TURBIDITY BARRIER	LF	14,376.000
	0104- 12-	STAKED TURBIDITY BARRIER- NYLON REINFORCED PVC	LF	2,593.000
	0104- 15-	SOIL TRACKING PREVENTION DEVICE	EA	44.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	406.000
	0107- 1-	LITTER REMOVAL	AC	17,729.070
	0107- 2-	MOWING	AC	12,252.170
	0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING (43554315201)	LS	1.000
	0108- 2-	MONITOR EXISTING STRUCTURES- VIBRATION MONITORING (43554315201)	LS	1.000
	0110- 1- 1	CLEARING & GRUBBING (43554315201)	LS	1.000
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	40,289.000
	0120- 1-	REGULAR EXCAVATION	CY	353,474.000
	0120- 4-	SUBSOIL EXCAVATION	CY	135,013.000
	0120- 6-	EMBANKMENT	CY	1,006,534.000
	0160- 4-	TYPE B STABILIZATION	SY	734,695.000
	0285-702-	OPTIONAL BASE, BASE GROUP 02	SY	41,243.000
	0285-703-	OPTIONAL BASE, BASE GROUP 03	SY	8,191.000
	0285-705-	OPTIONAL BASE, BASE GROUP 05	SY	174,395.000
	0285-706-	OPTIONAL BASE, BASE GROUP 06	SY	17,859.000
	0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	46,702.000
	0285-710-	OPTIONAL BASE, BASE GROUP 10	SY	12,442.000
	0285-711-	OPTIONAL BASE, BASE GROUP 11	SY	395,300.000
	0285-712-	OPTIONAL BASE, BASE GROUP 12	SY	5,936.000
	0285-713-	OPTIONAL BASE, BASE GROUP 13	SY	3,024.000
	0327- 70- 1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	SY	6,776.000
	0327- 70- 4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	SY	19,230.000
	0327- 70- 11	MILLING EXIST ASPH PAVT, 2 1/4" AVG DEPTH	SY	259,112.000
	0327- 70- 13	MILLING EXIST ASPH PAVT, 1 3/4" AVG DEPTH	SY	55,891.000
	0327- 70- 19	MILLING EXIST ASPH PAVT, 3/4" AVG DEPTH	SY	15,681.000

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	0334- 1- 11	SUPERPAVE ASPHALTIC CONC, TRAFFIC A	TN	3,040.000
	0334- 1- 12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	21,070.000
	0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	11,001.000
	0334- 1- 14	SUPERPAVE ASPHALTIC CONC, TRAFFIC D	TN	153,662.000
	0334- 1- 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22	TN	8,101.000
	0334- 1- 54	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC D, PG76-22	TN	53,788.000
	0337- 7- 25	ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, PG 76-22	TN	31,519.000
	0337- 7- 82	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-9.5, PG 76-22	TN	1,712.000
	0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	161.000
	0337- 7- 85	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC D, FC-12.5, PG 76-22	TN	363.000
	0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	3,355.500
	0400- 0- 11	CONCRETE CLASS NS, GRAVITY WALL	CY	659.400
	0400- 1- 2	CONCRETE CLASS I, ENDWALLS	CY	187.700
	0400- 2- 1	CONCRETE CLASS II, CULVERTS	CY	18.600
	0400- 2- 2	CONCRETE CLASS II, ENDWALLS	CY	18.000
	0415- 1- 1	REINFORCING STEEL- ROADWAY	LB	1,519.000
	0415- 1- 3	REINFORCING STEEL- RETAINING WALL	LB	8,418.000
	0425- 1-481	INLETS, CURB, TYPE 8, <10'	EA	1.000
	0425- 1-483	INLETS, CURB, TYPE 8, J BOT , <10'	EA	4.000
	0425- 1-501	INLETS, DT BOT, TYPE A, <10'	EA	14.000
	0425- 1-502	INLETS, DT BOT, TYPE A, >10'	EA	1.000
	0425- 1-511	INLETS, DT BOT, TYPE B, <10'	EA	8.000
	0425- 1-521	INLETS, DT BOT, TYPE C,<10'	EA	1.000
	0425- 1-541	INLETS, DT BOT, TYPE D, <10'	EA	20.000
	0425- 1-549	INLETS, DT BOT, TYPE D, MODIFY	EA	10.000
	0425- 1-551	INLETS, DT BOT, TYPE E, <10'	EA	1.000
	0425- 1-571	INLETS, DITCH BOTTOM, TYPE G, <10'	EA	1.000
	0425- 1-581	INLETS, DT BOT, TYPE H, <10'	EA	9.000
	0425- 1-589	INLETS, DT BOT, TYPE H, MODIFY	EA	21.000
	0425- 1-601	INLETS, DT BOT, TYPE J, <10'	EA	3.000
	0425- 1-603	INLETS, DT BOT, TYPE J, J BOT, <10'	EA	4.000
	0425- 1-701	INLETS, GUTTER, TYPE S, <10'	EA	24.000
	0425- 1-703	INLETS, GUTTER, TYPE S, J BOTTOM <10'	EA	4.000
	0425- 1-705	INLETS, GUTTER, TYPE S, PARTIAL	EA	2.000
	0425- 1-781	INLETS, MEDIAN BARRIER, TYPE 1, <=10'	EA	8.000
	0425- 1-791	INLETS, MEDIAN BARRIER, TYPE 2, J BOT,< =10'	EA	96.000
	0425- 1-792	INLETS, MEDIAN BARRIER, TYPE 2, >10'	EA	1.000
	0425- 1-793	INLETS, MEDIAN BARRIER, TYPE 2, J BOT, <10'	EA	3.000
	0425- 1-885	INLETS, BARRIER WALL, RIGID, CURB & GUTTER, PARTIAL	EA	4.000
	0425- 1-891	INLETS, BARRIER WALL, <=10'	EA	184.000
	0425- 1-892	INLETS, BARRIER WALL, >10'	EA	1.000
	0425- 1-893	INLETS, BARRIER WALL, J BOT, <10'	EA	26.000
	0425- 2- 41	MANHOLES, P-7, <10'	EA	15.000

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	0425- 2- 61	MANHOLES, P-8, <10'	EA	31.000
	0425- 2- 63	MANHOLES, P-8, PARTIAL	EA	2.000
	0425- 2- 71	MANHOLES, J-7, <10'	EA	10.000
	0425- 2- 91	MANHOLES, J-8, <10'	EA	5.000
	0430-173-112	PIPE CULVERT OPTIONAL MATERIAL, ROUND, 12", GUTTER DRAIN	LF	1,240.000
	0430-173-118	PIPE CULVERT OPTIONAL MATERIAL, ROUND, 18", GUTTER DRAIN	LF	558.000
	0430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	32,053.000
	0430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	6,191.000
	0430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	2,523.000
	0430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	3,423.000
	0430-175-142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	LF	887.000
	0430-175-148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD	LF	624.000
	0430-175-154	PIPE CULVERT, OPT MATERIAL, ROUND, 54"S/CD	LF	170.000
	0430-175-172	PIPE CULVERT, OPT MATERIAL, ROUND, 72"S/CD	LF	40.000
	0430-175-218	PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 18"S/CD	LF	169.000
	0430-175-224	PIPE CULVERT,OPTIONAL MATERIAL,OTHER SHAPE-ELIP/ARCH, 24"S/CD	LF	70.000
	0430-185-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 18" , STORM AND CROSS DRAIN	LF	1,533.000
	0430-185-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 24", STORM AND CROSS DRAIN	LF	2,331.000
	0430-185-130	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 30", STORM AND CROSS DRAIN	LF	288.000
	0430-185-136	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 36", STORM AND CROSS DRAIN	LF	411.000
	0430-185-142	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 42", STORM AND CROSS DRAIN	LF	275.000
	0430-185-148	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, JACK & BORE, 48", STORM AND CROSS DRAIN	LF	415.000
	0430-611-125	U-ENDWALL WITH BAFFLES, INDEX 261/430-011, 1:4 SLOPE, 18"PIPE	EA	6.000
	0430-611-325	U-ENDWALL WITH BAFFLES, INDEX 261/430-011, 1:2 SLOPE, 18"PIPE	EA	29.000
	0430-611-329	U-ENDWALL WITH BAFFLES, INDEX 261/430-011, 1:2 SLOPE, 24"PIPE	EA	2.000
	0430-611-333	U-ENDWALL, BAFFLES, INDEX 261/430-011, 1:2 SLOPE, 30"PIPE	EA	2.000
	0430-830-	PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE	CY	1,664.000
	0430-886- 36	MANATEE GRATE FOR 36", UNHINGED	EA	4.000
	0430-886- 60	MANATEE GRATE FOR 60" OR GREATER PIPE, UNHINGED	EA	2.000
	0430-890-101	SLIDE GATE, 24 INCH, PROJECT 435543-1-52-01	EA	2.000
	0430-890-102	SLIDE GATE, 30 INCH, PROJECT 435543-1-52-01	EA	12.000
	0430-890-103	SLIDE GATE, 36 INCH, PROJECT 435543-1-52-01	EA	6.000
	0430-890-104	SLIDE GATE, 42 INCH, PROJECT 435543-1-52-01	EA	1.000
	0430-890-105	SLIDE GATE, 48 INCH, PROJECT 435543-1-52-01	EA	1.000
	0430-890-106	SLIDE GATE, 54 INCH, PROJECT 435543-1-52-01	EA	3.000
	0430-963- 1	PVC PIPE FOR BACK OF SIDEWALK, 4"	LF	228.000
	0430-982-123	MITERED END SECTION, OPTIONAL ROUND, 15" CD	EA	1.000
	0430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	56.000
	0430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	29.000
	0430-982-133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	6.000

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ALT	Item	Description	Unit	Quantity
	0430-982-138	MITERED END SECTION, OPTIONAL ROUND, 36" CD	EA	5.000
	0430-982-629	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 24" CD	EA	2.000
	0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	3,776.000
	0520- 5- 41	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	LF	685.000
	0520- 6-	SHOULDER GUTTER- CONCRETE	LF	4,246.000
	0520- 70-	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	SY	243.000
	0521- 1- 11	MEDIAN CONCRETE BARRIER, 38" HEIGHT	LF	1,653.000
	0521- 1- 12	MEDIAN CONCRETE BARRIER, SHORT GRADE-SEPARATED	LF	31,190.000
	0521- 1- 13	MEDIAN CONCRETE BARRIER, TALL GRADE-SEPARATED	LF	8,698.000
	0521- 1- 14	MEDIAN CONCRETE BARRIER, VARIABLE SECTION WIDTH FOR SIGN OR PIER SHIELDING	LF	3,063.000
	0521- 8- 7	CONCRETE BARRIER, WITH JUNCTION SLAB, 36" SINGLE SLOPE	LF	10,782.000
	0521- 8- 11	CONCRETE BARRIER, WITH JUNCTION SLAB, 8'-0" NOISE WALL	LF	4,168.000
	0521- 72- 27	SHOULDER CONCRETE BARRIER WALL, 14' NOISE WALL	LF	8,684.000
	0521- 72- 40	SHOULDER CONCRETE BARRIER, 38" OR 44" HEIGHT	LF	16,497.000
	0521- 72- 41	SHOULDER CONCRETE BARRIER, RETAINING SECTION	LF	11,759.000
	0521- 72- 56	SHOULDER CONCRETE BARRIER, 56" PIER PROTECTION BARRIER/CRASH WALL	LF	3,386.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	1,464.000
	0524- 1- 1	CONCRETE DITCH PAVT, NON REINFORCED, 3"	SY	15,453.000
	0524- 2- 2	CONCRETE SLOPE PAVEMENT, NON REINFORCED, 4"	SY	6,190.000
	0527- 2-	DETECTABLE WARNINGS	SF	41.000
	0530- 3- 4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	1,633.000
	0530- 74-	BEDDING STONE	TN	501.000
	0534- 72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERMANENT	SF	88,320.000
	0536- 1- 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	43,608.000
	0536- 5- 1	RUB RAIL FOR GUARDRAIL, SINGLE SIDED RUB RAIL	LF	446.000
	0536- 7- 2	SPECIAL GUARDRAIL POST- SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT	EA	6.000
	0536- 7- 3	SPECIAL GUARDRAIL POST- ENCASED POST FOR SHALLOW MOUNT	EA	14.000
	0536- 8- 13	APPROACH TRANSITION CONNECTION TO RIGID BARRIER, FURNISH AND INSTALL, TL-3	EA	55.000
	0536- 73-	GUARDRAIL REMOVAL	LF	67,076.000
	0536- 85- 24	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	30.000
	0536- 85- 25	GUARDRAIL END TREATMENT- TRAILING ANCHORAGE TYPE II	EA	32.000
	0536- 85- 26	GUARDRAIL END TREATMENT- TYPE CRT	EA	1.000
	0544- 75- 1	CRASH CUSHION	EA	17.000
	0546- 72- 1	GROUND-IN RUMBLE STRIPS, 16"	GM	24.023
	0548- 12-	RETAINING WALL SYSTEM, PERMANENT, EXCLUDING BARRIER	SF	300,210.000
	0548- 14-	RETAINING WALL SYSTEM, PERMANENT-WIDENING, ATTACHED TO EXISTING WALL	SF	8,868.000
	0550- 10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	LF	34,691.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	742,472.000
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	1,010.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	4.000
	0639- 8- 9	ELECTRICAL POWER SERVICE- CONTRIBUTION IN AID OF CONSTRUCTION (CIAC), PROJECT 435543-1-52-01 (DO NOT BID)	LS	1.000

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ALT	Item	Description	Unit	Quantity
	0646- 2-120	ALUMINUM POLE- INDEX 17900/695-001, FURNISH & INSTALL, 20'	EA	2.000
	0695- 1- 1	TRAFFIC MONITORING SITE VEHICLE SENSOR-NON-WEIGHT, FURNISH & INSTALL	EA	16.000
	0695- 3- 11	TRAFFIC MONITORING SITE SPEED/CLASSIFICATION UNIT, FURNISH & INSTALL, VOLUME SPEED AND CLASSIFICATION	AS	2.000
	0695- 5- 1	TRAFFIC MONITORING SITE SOLAR POWER UNIT, FURNISH & INSTALL	EA	2.000
	0695- 6- 12	TRAFFIC MONITORING SITE INDUCTIVE LOOP ASSEMBLY, FURNISH & INSTALL, 2 LOOPS	EA	16.000
	0695- 7-143	TRAFFIC MONITORING SITE CABINET, FURNISH & INSTALL, TYPE 4, POLEMOUNT	EA	2.000
	0695- 7-600	TRAFFIC MONITORING SITE CABINET, REMOVE EXISTING CABINET	EA	2.000
	0695- 8- 11	TRAFFIC MONITORING SITE COMMUNICATIONS MODEM FURNISH & INSTALL	EA	2.000
	0700- 2- 16	MULTI- POST SIGN, F&I GROUND MOUNT, 101-200 SF	AS	11.000
	0700- 2- 17	MULTI- POST SIGN, F&I GROUND MOUNT, 201-300 SF	AS	7.000
	0700- 3-102	SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, 12-20 SF	EA	6.000
	0700- 3-106	SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, 101-200 SF	EA	7.000
	0700- 3-503	SIGN PANEL, RELOCATE, 21-30 SF	EA	6.000
	0700- 3-504	SIGN PANEL, RELOCATE, 31-50 SF	EA	11.000
	0700- 3-506	SIGN PANEL, RELOCATE, 101-200 SF	EA	8.000
	0700- 3-507	SIGN PANEL, RELOCATE, 201-300 SF	EA	9.000
	0700- 3-508	SIGN PANEL, RELOCATE, 301-400 SF	EA	5.000
	0700- 4-114	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, CANTILEVER, 41-50 FT	EA	2.000
	0705- 10- 2	OBJECT MARKER, TYPE 2	EA	270.000
	0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	84.447
	0710- 11-102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	2.377
	0710- 11-103	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE MARKINGS, 12"	GM	12.755
	0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	188.000
	0710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	76.969
	0710- 11-133	PAINTED PAVEMENT MARKING, STANDARD, WHITE, 3'-9' SKIP DROP LINE AND APPROACH TO TOLL PLAZA, 12" WIDE,	GM	3.626
	0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.098
	0710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	53.000
	0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	53.000
	0710- 11-180	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, YIELD LINE	LF	49.000
	0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	58.314
	0710- 11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	24.000
	0710- 11-241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	0.026
	0999- 16-	PARTNERING, DO NOT BID (43554315201)	LS	1.000
	0999- 20- 1	DISPUTES REVIEW BOARD, MEETING- DO NOT BID	DA	12.000

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ALT	Item	Description	Unit	Quantity
	0999- 20- 2	DISPUTES REVIEW BOARD, HEARING- DO NOT BID	EA	2.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (43554315201)	LS	1.000
Section 0003 Signing				
	0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	66.000
	0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	100.000
	0700- 1- 13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS	20.000
	0700- 1- 21	SINGLE POST SIGN, F&I BARRIER MOUNT INDEX 11871/700-013 UP TO 12 SF	AS	9.000
	0700- 1- 22	SINGLE POST SIGN, F&I BARRIER MOUNT INDEX 11871/700-013, 12-20 SF	AS	33.000
	0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	150.000
	0700- 2- 14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS	15.000
	0700- 2- 15	MULTI- POST SIGN, F&I GROUND MOUNT, 51-100 SF	AS	9.000
	0700- 2- 16	MULTI- POST SIGN, F&I GROUND MOUNT, 101-200 SF	AS	25.000
	0700- 2- 17	MULTI- POST SIGN, F&I GROUND MOUNT, 201-300 SF	AS	1.000
	0700- 2- 60	MULTI- POST SIGN, REMOVE	AS	52.000
	0700- 3-202	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 12-20 SF	EA	14.000
	0700- 3-203	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 21-30 SF	EA	28.000
	0700- 3-204	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 31-50 SF	EA	5.000
	0700- 3-205	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 51-100 SF	EA	18.000
	0700- 3-206	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 101-200 SF	EA	27.000
	0700- 3-207	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 201-300 SF	EA	14.000
	0700- 3-208	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 301-400 SF	EA	13.000
	0700- 3-209	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 401-500 SF	EA	11.000
	0700- 3-211	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 601 SF AND GREATER	EA	12.000
	0700- 3-602	SIGN PANEL, REMOVE, 12-20 SF	EA	2.000
	0700- 3-603	SIGN PANEL, REMOVE, 21-30 SF	EA	25.000
	0700- 3-604	SIGN PANEL, REMOVE, 31-50 SF	EA	6.000
	0700- 3-605	SIGN PANEL, REMOVE, 51-100 SF	EA	2.000
	0700- 3-606	SIGN PANEL, REMOVE, 101-200 SF	EA	7.000
	0700- 3-607	SIGN PANEL, REMOVE, 201-300 SF	EA	12.000
	0700- 3-608	SIGN PANEL, REMOVE, 301-400 SF	EA	2.000
	0700- 3-611	SIGN PANEL, REMOVE, 601 SF AND GREATER	EA	1.000
	0700- 3-625	SIGN PANEL, REMOVE, 51-100 SF WITH LIGHTING	EA	2.000
	0700- 3-626	SIGN PANEL, REMOVE, 101-200 SF WITH LIGHTING	EA	13.000
	0700- 3-627	SIGN PANEL, REMOVE PANEL, 201-300 SF WITH LIGHTING	EA	10.000
	0700- 3-628	SIGN PANEL, REMOVE PANEL, 301-400 SF WITH LIGHTING	EA	2.000
	0700- 4-111	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, CANTILEVER, UP TO 20 FT	EA	1.000
	0700- 4-112	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, CANTILEVER, 21-30 FT	EA	3.000
	0700- 4-113	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, CANTILEVER, 31-40 FT	EA	14.000
	0700- 4-114	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, CANTILEVER, 41-50 FT	EA	14.000

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ALT	Item	Description	Unit	Quantity
	0700- 4-125	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, SPAN, 51-100 FT	EA	9.000
	0700- 4-126	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, SPAN, 101-150 FT	EA	9.000
	0700- 4-610	OVERHEAD STATIC SIGN STRUCTURE, REMOVE CANTILEVER	EA	16.000
	0700- 4-620	OVERHEAD STATIC SIGN STRUCTURE, REMOVE SPAN	EA	14.000
	0700- 4-640	OVERHEAD STATIC SIGN STRUCTURE, REMOVE BRIDGE MOUNT	EA	2.000
	0700- 6- 21	HIGHLIGHTED SIGN, F&I GROUND MOUNT- SOLAR POWERED, UP TO 12 SF	AS	4.000
	0700- 6- 60	HIGHLIGHTED SIGN, REMOVE	AS	4.000
	0700- 7-600	EMBEDDED DYNAMIC MESSAGE SIGN, REMOVE	EA	3.000
	0700- 8-600	FRONT ACCESS DYNAMIC MESSAGE SIGN, REMOVE	EA	3.000
	0700- 10-116	DMS SUPPORT STRUCTURE, FURNISH & INSTALL, SPAN, 101-150 FT	EA	2.000
	0700- 10-124	DMS SUPPORT STRUCTURE, CANTILEVER, 41-50 FT	EA	1.000
	0700- 10-600	DMS SUPPORT STRUCTURE, REMOVE	EA	1.000
	0700- 12- 22	SIGN BEACON, F&I GROUND MOUNT- SOLAR POWERED, TWO BEACONS	AS	1.000
	0705- 10- 1	OBJECT MARKER, TYPE 1	EA	6.000
	0705- 11- 1	DELINEATOR, FLEXIBLE TUBULAR	EA	225.000
	0705- 11- 5	DELINEATOR, FLEXIBLE HIGH PERFORMANCE 36" MANAGED LANES- EXPRESS LANE MARKER	EA	13,475.000
	0710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	102.000
	0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (43554315201)	LS	1.000
	0711- 11-103	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR INTERCHANGE MARKINGS	GM	7.193
	0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	321.000
	0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	1,830.000
	0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	470.000
	0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.252
	0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	91.000
	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	125.000
	0711- 11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF	15.000
	0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	1,798.000
	0711- 11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.017
	0711- 14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	111.000
	0711- 14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	6.000
	0711- 14-560	THERMOPLASTIC, PREFORMED, WHITE WITH BLACK CONTRAST ON CONCRETE PAVEMENT, MESSAGE OR SYMBOL	EA	2.000
	0711- 15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	23.807
	0711- 15-102	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 8"	GM	27.307

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ALT	Item	Description	Unit	Quantity
	0711- 15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	56.252
	0711- 15-133	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 12"- APPROACH TO TOLL PLAZA OR 3-9 LANE DROP	GM	3.451
	0711- 15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	23.684
	0711- 15-202	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES YELLOW, SOLID, 8"	GM	0.312
	0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	2.081
	0711- 16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.761
	0711- 16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	1.463
	0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	1.733
	0711- 16-202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM	0.116
	0713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM	1.710
	0713-103-102	PERMANENT TAPE, WHITE, SOLID, 8" EXIT LANE AT INTERCHANGE ON CONCRETE PAVEMENT	GM	0.980
	0713-103-103	PERMANENT TAPE, WHITE, SOLID LANE DROP MARKING, 12" FOR CONCRETE BRIDGES	GM	0.110
	0713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM	2.298
	0713-103-133	PERMANENT TAPE, WHITE, SKIP, 12" WIDE 3'-9' DROP LANE ON CONCRETE SURFACES	GM	0.152
	0713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM	1.717
	0713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM	2.298
	0713-103-333	PERMANENT TAPE, BLACK, 3'-9' DROP LANE, 12" ON CONCRETE SURFACES	GM	0.152
Section 0004 Lighting				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	76,720.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	6,113.000
	0630- 2- 15	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT	LF	3,630.000
	0630- 2- 16	CONDUIT, FURNISH & INSTALL, EMBEDDED CONCRETE BARRIERS AND TRAFFIC RAILINGS	LF	89,334.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	779.000
	0635- 3- 12	JUNCTION BOX, FURNISH & INSTALL, MOUNTED	EA	77.000
	0635- 3- 13	JUNCTION BOX, FURNISH & INSTALL, EMBEDDED	EA	334.000
	0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	10.000
	0641- 2- 13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	EA	11.000
	0715- 1- 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	258,435.000
	0715- 1- 13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF	135,706.000
	0715- 1- 14	LIGHTING CONDUCTORS, F&I, INSULATED, NO 1 TO NO 0	LF	69,040.000
	0715- 1- 16	LIGHTING CONDUCTORS, F&I, NO.4/0 (0000) OR LARGER	LF	9,142.000
	0715- 4- 13	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT	EA	550.000
	0715- 4- 15	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 50' MOUNTING HEIGHT	EA	131.000

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ALT	Item	Description	Unit	Quantity
	0715- 4- 23	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE SPECIAL FOUNDATION, 40' MOUNTING HEIGHT	EA	6.000
	0715- 4- 25	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE SPECIAL FOUNDATION, 50' MOUNTING HEIGHT	EA	5.000
	0715- 4- 70	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA	464.000
	0715- 7- 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	11.000
	0715- 7- 41	LOAD CENTER, REMOVE, SECONDARY VOLTAGE	EA	8.000
	0715- 11-125	LUMINAIRE, F&I, UNDER DECK, WALL MOUNT	EA	89.000
	0715- 19- 60	HIGH MAST LIGHT POLE, REMOVE POLE AND FOUNDATION	EA	18.000
	0715-500- 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	692.000
	0715-500- 3	POLE CABLE DISTRIBUTION SYSTEM, WALL MOUNT	EA	89.000
Section 0005 Signalization				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	1,117.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	608.000
	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	42.000
	0639- 1-123	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER NOT REQUIRED	AS	1.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	215.000
	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	1.000
	0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	5.000
	0649- 21- 1	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 30'	EA	1.000
	0649- 21- 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	3.000
	0649- 21- 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	1.000
	0649- 21- 14	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-60'	EA	1.000
	0649- 26- 5	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION- BOLT ON ATTACHMENT	EA	4.000
	0650- 1- 34	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 3 SECTION, 1 WAY	AS	18.000
	0650- 1- 38	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 5 SECTION STRAIGHT, 1 WAY	AS	1.000
	0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	6.000
	0660- 1-101	LOOP DETECTOR INDUCTIVE, F&I, TYPE 1	EA	17.000
	0660- 2-102	LOOP ASSEMBLY, F&I, TYPE B	AS	9.000
	0660- 2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	8.000
	0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	5.000
	0670- 5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS	2.000
	0670- 5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	2.000
	0682- 1-153	ITS CCTV CAMERA, F&I, STATIONARY, IP, HIGH DEFINITION	EA	4.000
	0684- 6- 40	WIRELESS COMMUNICATION DEVICE, RELOCATE	EA	1.000
	0700- 3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	4.000

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ALT	Item	Description	Unit	Quantity
	0700- 5- 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	7.000
	0715- 7- 41	LOAD CENTER, REMOVE, SECONDARY VOLTAGE	EA	1.000
Section 0006 Architectural				
	0735- 74- 1	TOLL PLAZA, LOCATION 1 (43554315201)	LS	1.000
	0735- 74- 2	TOLL PLAZA, LOCATION 2 (43554315201)	LS	1.000
	0735- 74- 3	TOLL PLAZA, LOCATION 3 (43554315201)	LS	1.000
	0735- 74- 4	TOLL PLAZA, LOCATION 4 (43554315201)	LS	1.000
	0735- 74- 5	TOLL PLAZA, LOCATION 5 (43554315201)	LS	1.000
	0735- 74- 6	TOLL PLAZA, LOCATION 6 (43554315201)	LS	1.000
	0735- 74- 7	TOLL PLAZA, LOCATION 7 (43554315201)	LS	1.000
	0735- 74- 8	TOLL PLAZA, LOCATION 8 (43554315201)	LS	1.000
	0735- 74- 9	TOLL PLAZA, LOCATION 9 (43554315201)	LS	1.000
	0735- 74- 10	TOLL PLAZA, LOCATION 10 (43554315201)	LS	1.000
Section 0007 Intelligent Transportation System				
	0515- 2-311	PEDESTRIAN/ BICYCLE RAILING, ALUMINUM ONLY,42" TYPE 1	LF	390.000
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	57,319.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	16,720.000
	0633- 1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	17,339.000
	0633- 1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	54,709.000
	0633- 1-124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97 - 144 FIBERS	LF	38,829.000
	0633- 1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	34,464.000
	0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	572.000
	0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	26.000
	0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	40.000
	0633- 3- 13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	398.000
	0633- 3- 15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	95.000
	0633- 8- 1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	7,640.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	211.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	174.000
	0635- 2-102	PULL & SPLICE BOX, F&I, HS-20 REINFORCED CONCRETE FIBER OPTIC MANHOLE, PROJECT 435543-1-52-01	EA	19.000
	0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	13.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	53,679.000
	0639- 2- 6	ELECTRICAL SERVICE WIRE, REMOVE	LF	34,464.000
	0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	77.000
	0639- 5- 17	EMERGENCY GENERATOR- PERMANENT, UP TO 30 KW, PROJECT 435543-1-52-01	EA	7.000
	0639- 5- 18	EMERGENCY GENERATOR- PERMANENT, 31-60 KW, PROJECT 435543-1-52-01	EA	6.000
	0639- 6- 1	ELECTRICAL POWER SERVICE- TRANSFORMER FURNISH & INSTALL	EA	59.000
	0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	23.000
	0641- 2- 13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	EA	25.000

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ALT	Item	Description	Unit	Quantity
	0641- 2- 70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	8.000
	0641- 3-163	CONCRETE CCTV POLE, FURNISH & INSTALL WITH LOWERING DEVICE, 63'	EA	4.000
	0641- 3-169	CONCRETE CCTV POLE, FURNISH & INSTALL WITH LOWERING DEVICE, 69'	EA	3.000
	0641- 3-175	CONCRETE CCTV POLE, FURNISH & INSTALL WITH LOWERING DEVICE, 75'	EA	3.000
	0641- 3-180	CONCRETE CCTV POLE, FURNISH & INSTALL WITH LOWERING DEVICE, 80'	EA	2.000
	0641- 3-186	CONCRETE CCTV POLE, FURNISH & INSTALL WITH LOWERING DEVICE, 86'	EA	1.000
	0641- 3-263	CONCRETE CCTV POLE, FURNISH & INSTALL WITHOUT LOWERING DEVICE, 63'	EA	1.000
	0641- 3-269	CONCRETE CCTV POLE, FURNISH & INSTALL WITHOUT LOWERING DEVICE, 69'	EA	9.000
	0641- 3-275	CONCRETE CCTV POLE, FURNISH & INSTALL WITHOUT LOWERING DEVICE, 75'	EA	4.000
	0641- 3-286	CONCRETE CCTV POLE, FURNISH & INSTALL WITH OUT LOWERING DEVICE, 86'	EA	1.000
	0641- 3-800	CONCRETE CCTV POLE, COMPLETE POLE REMOVAL	EA	13.000
	0660- 3- 11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA	38.000
	0660- 3- 12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	38.000
	0660- 3- 60	VEHICLE DETECTION SYSTEM - MICROWAVE, REMOVE, COMPLETE SYSTEM	EA	17.000
	0660- 6-121	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA	9.000
	0660- 6-122	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	9.000
	0676- 2-122	ITS CABINET, FURNISH & INSTALL, POLE MOUNT WITH SUNSHIELD, 336S, 24" W X 46" H X 22" D	EA	17.000
	0676- 2-143	ITS CABINET, FURNISH & INSTALL, BASE MOUNT, 334, 24" W X 66" H X 30" D	EA	18.000
	0676- 2-600	ITS CABINET- REMOVE	EA	21.000
	0676- 3- 10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D	EA	17.000
	0677- 1- 11	EQUIPMENT SHELTER, FURNISH & INSTALL, UP TO 120 SF	EA	1.000
	0682- 1-133	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, IP, HIGH DEFINITION	EA	33.000
	0682- 1-600	ITS CCTV CAMERA,, REMOVE & DISPOSAL	EA	12.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	35.000
	0684- 2- 1	DEVICE SERVER, FURNISH & INSTALL	EA	38.000
	0684- 5- 1	MEDIA CONVERTER, FURNISH & INSTALL	EA	18.000
	0684- 90- 10	NETWORK DEVICE, MASTER HUB ETHERNET SWITCH, LAYER 3, PROJECT 435543-1-52-01	EA	6.000
	0685- 1- 11	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE	EA	35.000
	0700- 7-132	EMBEDDED DYNAMIC MESSAGE SIGN, FURNISH & INSTALL- WITH UPS, FULL COLOR, 12-20 SF	EA	17.000

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ALT	Item	Description	Unit	Quantity
	0700- 8-134	FRONT ACCESS DYNAMIC MESSAGE SIGN, FURNISH & INSTALL- WITH UPS, FULL COLOR, 31-50 SF	EA	14.000
	0700- 9-137	WALK-IN DYNAMIC MESSAGE SIGN, FURNISH & INSTALL- WITH UPS FULL COLOR, 201-300 SF	EA	3.000
	0715- 7- 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	24.000
	0919-661- 4	WRONG WAY DETECTION SYSTEM, PRIMARY, PROJECT 435543-1-52-01	EA	6.000
	0919-661- 5	WRONG WAY DETECTION SYSTEM, SECONDARY, PROJECT 435543-1-52-01	EA	12.000
	0919-661- 6	WRONG WAY DETECTION SYSTEM, REMOTE, PROJECT 435543-1-52-01	EA	6.000