

Florida Department of Transportation
Bid Solicitation Notice and Approximate Quantities

Letting: CT190424 Call Order: 016 Proposal: T5628 District:05
 Counties: ORANGE
 Road Name: SR 435 (KIRKMAN RD)
 Limits: FROM N OF SR 482 TO S OF SR 408, EXCLUDING S OF INTERNATIONAL DR TO N OF MAJOR BLVD
 Project(s): 43734115201(*) Federal Aid No: D517084B
 Project(s): 43734115202 Federal Aid No: D517084B
 Project(s): 43734115601 Federal Aid No: N/A
 Total Roadway Length: 5.470 Miles Contract Days: 650
 Total Bridge Length: 0.055 Miles Letting Date: 04/24/19
 Total Proposal Length: 5.525 Miles Contract Execution Days: 10
 Special Start Date: N/A
 Aquis/Flexible Start Time: 30 Calendar Days

Proposal Budget Estimate: \$18,318,171.00

Please read the full advertisement

Description:

The improvements under this contract consist of work to mill and resurface, provide cross slope correction at isolated locations, provide pavement widening at isolated locations, curb ramp and sidewalk upgrades throughout the project corridor, sidewalk removal, shared use path construction, bridge sidewalk removal and construction, pipe desilting, gravity wall construction, restoration of spalled areas on bridge culvert, drainage pipe and structures, pedestrian signal upgrades, signing and pavement markings, traffic monitoring sites, signalization, ITS along SR 435 (Kirkman Rd.) and goes-with project for the City of Orlando Reclaimed Water/ Wastewater Utility Work by Highway Contractor (UWHC).

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ALT	Item	Description	Unit	Quantity
Section 0001 Structures				
	0110- 3-	REMOVAL OF EXISTING STRUCTURES/BRIDGES (43734115202LS)	LS	1.000
	0400- 2- 4	CONC CLASS II, BRIDGE SUPERSTRUCTURE	CY	9.300
	0400- 2- 10	CONCRETE CLASS II, APPROACH SLABS	CY	6.400
	0401- 70- 3	RESTORE SPALLED AREAS, LATEX MODIFIED MORTAR- ACRYLIC	CF	2.000
	0401- 70- 7	RESTORE SPALLED AREAS, SHOTCRETE	CF	150.300
	0415- 1- 4	REINFORCING STEEL - BRIDGE SUPERSTRUCTURE	LB	1,331.000
	0415- 1- 9	REINFORCING STEEL- APPROACH SLABS	LB	888.000
	0458- 1- 21	BRIDGE DECK EXPANSION JOINT, REHABILITATION, POURED JOINT WITH BACKER ROD	LF	17.000
Section 0002 Roadway				
	0101- 1-	MOBILIZATION (43734115201LS)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (43734115201LS)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	1,508.000
	0102- 60-	WORK ZONE SIGN	ED	150,420.000
	0102- 71- 16	TEMPORARY BARRIER, F&I, FREE STANDING	LF	1,063.000
	0102- 71- 26	TEMPORARY BARRIER, RELOCATE, FREE STANDING	LF	100.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	463,145.000
	0102- 74- 2	CHANNELIZING DEVICE, TYPE III, 6'	ED	78.000
	0102- 74- 7	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	LF	32,134.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	925.000

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ALT	Item	Description	Unit	Quantity
	0102- 78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	4,575.000
	0102- 89- 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	5.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	4,206.000
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	9,750.000
	0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	9,750.000
	0104- 10- 3	SEDIMENT BARRIER	LF	24,386.000
	0104- 11-	FLOATING TURBIDITY BARRIER	LF	49.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	346.000
	0107- 1-	LITTER REMOVAL	AC	1,841.670
	0107- 2-	MOWING	AC	1,247.560
	0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING (43734115201)	LS	1.000
	0110- 1- 1	CLEARING & GRUBBING (43734115201LS)	LS	1.000
	0110- 1- 1	CLEARING & GRUBBING (43734115202LS)	LS	1.000
	0110- 3-	REMOVAL OF EXISTING STRUCTURES/BRIDGES (43734115202)	LS	1.000
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	8,150.000
	0120- 1-	REGULAR EXCAVATION	CY	9,607.100
	0120- 6-	EMBANKMENT	CY	7,861.800
	0160- 4-	TYPE B STABILIZATION	SY	19,932.000
	0285-701-	OPTIONAL BASE, BASE GROUP 01	SY	11,345.000
	0285-702-	OPTIONAL BASE, BASE GROUP 02	SY	392.000
	0285-704-	OPTIONAL BASE, BASE GROUP 04	SY	3,419.000
	0285-706-	OPTIONAL BASE, BASE GROUP 06	SY	49.000
	0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	78.000
	0286- 1-	TURNOUT CONSTRUCTION	SY	330.000
	0327- 70- 1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	SY	936.000
	0327- 70- 5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	SY	39,087.000
	0327- 70- 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	36,224.000
	0327- 70- 8	MILLING EXIST ASPH PAVT, 2 1/2" AVG DEPTH	SY	41,669.000
	0327- 70- 11	MILLING EXIST ASPH PAVT, 2 1/4" AVG DEPTH	SY	95,134.000
	0327- 70- 15	MILLING EXIST ASPH PAVT, 2 3/4" AVG DEPTH	SY	81,833.000
	0327- 70- 17	MILLING EXIST ASPH PAVT, 3 1/4" AVG DEPTH	SY	40,968.000
	0327- 70- 20	MILLING EXIST ASPH PAVT, 3 3/4" AVG DEPTH	SY	321,891.000
	0334- 1- 12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	1,146.500
	0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	34,407.900
	0337- 7- 25	ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, PG 76-22	TN	11,501.300
	0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN	8,067.800
	0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	7.800
	0400- 0- 11	CONCRETE CLASS NS, GRAVITY WALL	CY	559.500
	0400- 2- 10	CONCRETE CLASS II, APPROACH SLABS	CY	2.000
	0415- 1- 1	REINFORCING STEEL- ROADWAY	LB	316.000
	0425- 1-521	INLETS, DT BOT, TYPE C, <10'	EA	9.000
	0425- 1-529	INLETS, DT BOT, TYPE C, MODIFY	EA	1.000

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	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	6.000
	0425- 1-545	INLETS, DITCH BOTTOM, TYPE D, PARTIAL	EA	1.000
	0425- 1-551	INLETS, DT BOT, TYPE E, <10'	EA	1.000
	0425- 1-575	INLETS, DITCH BOTTOM, TYPE G, PARTIAL	EA	1.000
	0425- 2- 41	MANHOLES, P-7, <10'	EA	4.000
	0425- 2- 61	MANHOLES, P-8, <10'	EA	8.000
	0425- 2- 63	MANHOLES, P-8, PARTIAL	EA	1.000
	0425- 2- 73	MANHOLES, J-7, PARTIAL	EA	3.000
	0425- 5-	MANHOLE, ADJUST	EA	121.000
	0425- 5- 1	MANHOLE, ADJUST, UTILITIES	EA	22.000
	0430- 94- 1	DESILTING PIPE, 0 - 24"	LF	2,186.000
	0430- 94- 2	DESILTING PIPE, 25 - 36"	LF	285.000
	0430-174-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	294.000
	0430-174-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"SD	LF	30.000
	0430-174-218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 18"SD	LF	959.000
	0430-174-230	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 30"SD	LF	38.000
	0430-175-112	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 12"S/CD	LF	12.000
	0430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	635.000
	0430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	223.000
	0430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	16.000
	0430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	160.000
	0430-175-218	PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 18"S/CD	LF	1,009.000
	0430-175-272	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 72"S/CD	LF	8.000
	0430-982-123	MITERED END SECTION, OPTIONAL ROUND, 15" CD	EA	1.000
	0430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	3.000
	0430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	3.000
	0430-984-125	MITERED END SECTION, OPTIONAL ROUND, 18" SD	EA	15.000
	0430-984-129	MITERED END SECTION, OPTIONAL ROUND, 24" SD	EA	7.000
	0430-984-133	MITERED END SECTION , OPTIONAL ROUND, 30" SD	EA	1.000
	0430-984-625	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 18" SD	EA	35.000
	0430-984-633	MITERED END SECT, OPTIONAL /ELLIP/ARCH, 30" SD	EA	1.000
	0430-984-645	MITERED END SECT, OPTIONAL /ELLIP/ARCH, 72" SD	EA	1.000
	0436- 1- 1	TRENCH DRAIN, STANDARD	LF	30.000
	0515- 1- 2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	LF	2,846.000
	0520- 1- 7	CONCRETE CURB & GUTTER, TYPE E	LF	2,047.000
	0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	2,005.000
	0520- 2- 1	CONCRETE CURB, TYPE A	LF	131.000
	0520- 2- 4	CONCRETE CURB, TYPE D	LF	128.000
	0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	4,141.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	2,817.000
	0524- 1- 1	CONCRETE DITCH PAVT, NON REINFORCED, 3"	SY	86.000
	0527- 2-	DETECTABLE WARNINGS	SF	4,735.000

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	0530- 3- 4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	24.000
	0530- 74-	BEDDING STONE	TN	17.100
	0536- 1- 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	225.000
	0536- 7- 2	SPECIAL GUARDRAIL POST- SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT	EA	5.000
	0536- 73-	GUARDRAIL REMOVAL	LF	103.000
	0536- 85- 24	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	1.000
	0536- 85- 25	GUARDRAIL END TREATMENT- TRAILING ANCHORAGE TYPE II	EA	1.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	56,862.000
	0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	21.598
	0710- 11-102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	0.185
	0710- 11-103	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE MARKINGS, 12"	GM	0.386
	0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	23,399.000
	0710- 11-124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	1,576.000
	0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	13,698.000
	0710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	16.047
	0710- 11-133	PAINTED PAVEMENT MARKING, STANDARD, WHITE, 3'-9' SKIP DROP LINE AND APPROACH TO TOLL PLAZA, 12" WIDE,	GM	0.168
	0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	5.688
	0710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	171.000
	0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	377.000
	0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	9.118
	0710- 11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	1,337.000
	0710- 11-241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	0.098
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (43734115201LS)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (43734115202LS)	LS	1.000
Section 0003 Signing				
	0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	116.000
	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	3.000
	0700- 1- 50	SINGLE POST SIGN, RELOCATE	AS	5.000
	0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	117.000
	0700- 2- 50	MULTI- POST SIGN, GROUND MOUNT, RELOCATE	AS	1.000
	0705- 10- 1	OBJECT MARKER, TYPE 1	EA	13.000
	0705- 11- 1	DELINEATOR, FLEXIBLE TUBULAR	EA	178.000
	0710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	551.000
	0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (43734115201LS)	LS	1.000

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	0711- 11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM	0.334
	0711- 11-103	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR INTERCHANGE MARKINGS	GM	0.393
	0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	17,316.000
	0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	1,826.000
	0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	3,519.000
	0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	6.376
	0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	62.000
	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	377.000
	0711- 11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF	52.000
	0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	680.000
	0711- 11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.084
	0711- 14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	11,942.000
	0711- 14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	109.000
	0711- 14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	109.000
	0711- 15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	20.303
	0711- 15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	13.807
	0711- 15-133	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 12"- APPROACH TO TOLL PLAZA OR 3-9 LANE DROP	GM	0.168
	0711- 15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	9.082
	0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	4.098
	0711- 16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	4.716
	0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	2.546
	0713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.182
	0713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.057
Section 0004 Signalization				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	912.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	8,604.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	595.000
	0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	14.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	141.000
	0641- 2- 60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA	34.000
	0641- 2- 70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	98.000
	0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	98.000

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	0646- 1- 12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA	1.000
	0646- 1- 60	ALUMINUM SIGNALS POLE, REMOVE	EA	10.000
	0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	96.000
	0653- 1- 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	3.000
	0653- 1- 60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	11.000
	0660- 1-600	LOOP DETECTOR INDUCTIVE, REMOVE- CABINET TO REMAIN	EA	160.000
	0660- 4- 11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	14.000
	0660- 4- 12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	55.000
	0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	102.000
	0665- 1- 60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	11.000
	0670- 5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	14.000
	0695- 1- 1	TRAFFIC MONITORING SITE VEHICLE SENSOR-NON-WEIGHT, FURNISH & INSTALL	EA	26.000
	0695- 6- 12	TRAFFIC MONITORING SITE INDUCTIVE LOOP ASSEMBLY, FURNISH & INSTALL, 2 LOOPS	EA	26.000
	0695- 7-162	TRAFFIC MONITORING SITE CABINET, F&I, TYPE 3, 2 PANE BACK, PEDESTAL MOUNT	EA	4.000
	0695- 7-600	TRAFFIC MONITORING SITE CABINET, REMOVE EXISTING CABINET	EA	4.000
Section 0005 Utilities				
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (43734115601)	LS	1.000
	1050- 16-004	UTILITY PIPE,REMOVE & DISPOSE, 8-19.9"	LF	700.000
	1050- 51-212	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 12"	LF	40.000
	1050- 51-216	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 16"	LF	663.000
	1055- 51-116	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 16"	EA	14.000
	1060- 31- 1	UTILITY STRUCTURE, FURNISH AND INSTALL- REPLACE EXISTING RIM	EA	11.000
	1070- 1- 1	UTILITY AUXILIARY ITEMS, 8" CONCRETE SLAB FOR GROUND COVER LESS THAN 2.5'	SF	1,995.000
	1080- 21-500	UTILITY FIXTURE, VALVE/METER BOX, ADJUST	EA	9.000
	1080- 24-110	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 10"	EA	1.000
	1080- 24-112	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 12"	EA	2.000
	1080- 24-116	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 16"	EA	8.000
	1080- 24-600	UTILITY FIXTURE, VALVE ASSEMBLY, REMOVE	EA	7.000
Section 0006 Intelligent Transportation System				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	1,446.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	339.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	36.000
	0630- 2- 28	CONDUIT, RELOCATE CONDUIT WITH FIBER/WIRE REMAINING OPERATIONAL, PROJECT 437341-1-52-01	LF	751.000
	0633- 8- 1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	824.000

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	0633- 8- 6	MULTI-CONDUCTOR COMMUNICATION CABLE, REMOVE	LF	1,821.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	6.000
	0635- 2- 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	6.000
	0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	1.000
	0660- 6-422	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH RELOCATE, ABOVE GROUND EQUIPMENT	EA	1.000
	0670- 5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	2.000
	0684- 5- 1	MEDIA CONVERTER, FURNISH & INSTALL	EA	1.000