

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

Letting: CT181205 Call Order: 001 Proposal: T1717 District:01

Counties: SARASOTA

Road Name: SR 45A (US 41) (VENICE BYPASS)

Limits: FROM CENTER RD TO GULF COAST BLVD

Project(s): 19801765201(*) Federal Aid No: D118021B

Project(s): 19801765601 Federal Aid No: N/A

Project(s): 19801765602 Federal Aid No: N/A

Project(s): 19801765603 Federal Aid No: N/A

Total Roadway Length:	1.187 Miles	Contract Days:	825
Total Bridge Length:	0.000 Miles	Letting Date:	12/05/18
Total Proposal Length:	1.187 Miles	Contract Execution Days:	10
		Special Start Date:	N/A
		Aquis/Flexible Start Time:	15 Days

Proposal Budget Estimate: \$16,267,712.00

Please read the full advertisement

Description: A+B Bidding/Incentive-Disincentive

The improvements under this contract consist of adding lanes and reconstruction, milling and resurfacing, widening, base work, bike lanes, drainage improvements, box culverts, curb and gutter, concrete boarding pads, asphalt base curb pads, sidewalks, pedestrian/bicycle railing, signing and pavement marking, signalization, lighting and utility work by highway contractor on State Road 45A (Venice Connector) from Center Road northerly 1.187 miles to Gulf Coast Boulevard in Sarasota County.

NOTE: This is a cost plus time proposal(A+B). The following sites are cost plus time sites.

Site	Description	Road Cost Per Day	Maximum Days
00	Contract Time	5000.00	825

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ALT	Item	Description	Unit	Quantity
Section 0001 Roadway				
	0101- 1-	MOBILIZATION (19801765201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (19801765201)	LS	1.000
	0102- 2- 1	SPECIAL DETOUR 1 (19801765201)	LS	1.000
	0102- 2- 2	SPECIAL DETOUR 2 (19801765201)	LS	1.000
	0102- 2- 3	SPECIAL DETOUR 3 (19801765201)	LS	1.000
	0102- 2- 4	SPECIAL DETOUR 4 (19801765201)	LS	1.000
	0102- 2- 5	SPECIAL DETOUR 5 (19801765201)	LS	1.000
	0102- 2- 6	SPECIAL DETOUR 6 (19801765201)	LS	1.000
	0102- 3-	COMMERCIAL MATERIAL FOR TEMPORARY DRIVEWAY MAINTENANCE	CY	721.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	40.000
	0102- 60-	WORK ZONE SIGN	ED	61,687.000
	0102- 61-	BUSINESS SIGN	EA	38.000
	0102- 71- 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF	6,330.000
	0102- 71- 16	TEMPORARY BARRIER, F&I, FREE STANDING	LF	726.000
	0102- 71- 23	TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE	LF	10,980.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	148,093.000
	0102- 74- 2	CHANNELIZING DEVICE, TYPE III, 6'	ED	29,462.000

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	0102- 74- 7	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	LF	39,762.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	560.000
	0102- 78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	1,955.000
	0102- 89- 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	2.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	920.000
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	825.000
	0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	825.000
	0104- 1-	ARTIFICIAL COVERINGS /ROLLED EROSION CONTROL PRODUCTS	SY	116.000
	0104- 10- 3	SEDIMENT BARRIER	LF	16,697.000
	0104- 11-	FLOATING TURBIDITY BARRIER	LF	17.000
	0104- 15-	SOIL TRACKING PREVENTION DEVICE	EA	4.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	88.000
	0107- 1-	LITTER REMOVAL	AC	182.000
	0107- 2-	MOWING	AC	135.700
	0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING (19801765201)	LS	1.000
	0108- 2-	MONITOR EXISTING STRUCTURES- VIBRATION MONITORING (19801765201)	LS	1.000
	0108- 3-	MONITOR EXISTING STRUCTURES- GROUNDWATER MONITORING (19801765201)	LS	1.000
	0110- 1- 1	CLEARING & GRUBBING (19801765201)	LS	1.000
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	6,262.000
	0120- 1-	REGULAR EXCAVATION	CY	37,778.000
	0120- 6-	EMBANKMENT	CY	8,411.000
	0144- 71- 2	PORE-PRESSURE TRANSDUCER- PIEZOMETER, VIBRATING WIRE	EA	3.000
	0144- 72-	TUBING FOR PIEZOMETER	LF	300.000
	0144- 74- 2	PORE-PRESSURE TRANSDUCER, CONTROL / READOUT UNIT VIBRATING WIRE	EA	3.000
	0160- 4-	TYPE B STABILIZATION	SY	80,857.000
	0285-706-	OPTIONAL BASE, BASE GROUP 06	SY	1,686.000
	0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	59,224.000
	0285-711-	OPTIONAL BASE, BASE GROUP 11	SY	14,084.000
	0327- 70- 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	27,107.000
	0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	7,445.000
	0337- 7- 93	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, HIGH POLYMER	TN	8,803.000
	0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	4.400
	0400- 1- 2	CONCRETE CLASS I, ENDWALLS	CY	5.500
	0400- 4- 1	CONCRETE CLASS IV, CULVERTS	CY	41.000
	0400- 4- 8	CONC CLASS IV, BULKHEAD	CY	74.000
	0415- 1- 1	REINFORCING STEEL- ROADWAY	LB	8,070.000
	0415- 1- 8	REINFORCING STEEL- BULKHEAD	LB	7,939.000
	0425- 1-351	INLETS, CURB, TYPE P-5, <10'	EA	15.000
	0425- 1-352	INLETS, CURB, TYPE P-5, >10'	EA	2.000
	0425- 1-361	INLETS, CURB, TYPE P-6, <10'	EA	9.000

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	0425- 1-451	INLETS, CURB, TYPE J-5, <10'	EA	7.000
	0425- 1-461	INLETS, CURB, TYPE J-6, <10'	EA	3.000
	0425- 1-462	INLETS, CURB, TYPE J-6, >10'	EA	2.000
	0425- 1-471	INLETS, CURB, TYPE 7, <10'	EA	12.000
	0425- 1-473	INLETS, CURB, TYPE 7, J BOT , <10'	EA	2.000
	0425- 1-521	INLETS, DT BOT, TYPE C,<10'	EA	2.000
	0425- 1-541	INLETS, DT BOT, TYPE D, <10'	EA	1.000
	0425- 1-581	INLETS, DT BOT, TYPE H, <10'	EA	2.000
	0425- 1-589	INLETS, DT BOT, TYPE H, MODIFY	EA	1.000
	0425- 2- 43	MANHOLES, P-7, PARTIAL	EA	8.000
	0425- 2- 61	MANHOLES, P-8, <10'	EA	3.000
	0425- 2- 62	MANHOLES, P-8, >10'	EA	2.000
	0425- 2- 63	MANHOLES, P-8, PARTIAL	EA	5.000
	0425- 2- 73	MANHOLES, J-7, PARTIAL	EA	6.000
	0425- 2- 91	MANHOLES, J-8, <10'	EA	3.000
	0425- 2- 92	MANHOLES, J-8, >10'	EA	9.000
	0425- 2- 93	MANHOLES, J-8, PARTIAL	EA	10.000
	0425- 3- 43	JUNCTION BOX, DRAINAGE, P-7, PARTIAL	EA	4.000
	0425- 3- 61	JUNCTION BOXES, J-7, <10'	EA	1.000
	0425- 3- 63	JUNCTION BOXES, DRAINAGE, J-7, PARTIAL	EA	1.000
	0425- 5-	MANHOLE, ADJUST	EA	5.000
	0430-175-115	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD	LF	119.000
	0430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	2,403.000
	0430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	762.000
	0430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	35.000
	0430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	538.000
	0430-175-142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	LF	373.000
	0430-175-148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD	LF	1,904.000
	0430-175-154	PIPE CULVERT, OPT MATERIAL, ROUND, 54"S/CD	LF	1,854.000
	0430-175-215	PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 15"S/CD	LF	71.000
	0430-175-218	PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 18"S/CD	LF	1,157.000
	0430-175-224	PIPE CULVERT,OPTIONAL MATERIAL,OTHER SHAPE-ELIP/ARCH, 24"S/CD	LF	66.000
	0430-175-236	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 36"S/C	LF	380.000
	0430-175-242	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 42"S/C	LF	654.000
	0430-175-248	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 48"S/C	LF	49.000
	0430-175-254	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 54"S/CD	LF	92.000
	0430-830-	PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE	CY	0.900
	0430-886- 60	MANATEE GRATE FOR 60" OR GREATER PIPE, UNHINGED	EA	1.000
	0430-982-141	MITERED END SECTION, OPTIONAL ROUND, 48" CD	EA	1.000
	0436- 1- 1	TRENCH DRAIN, STANDARD	LF	252.000
	0440- 1- 50	UNDERDRAIN, TYPE V	LF	354.000
	0455-133- 2	SHEET PILING STEEL, TEMPORARY-CRITICAL	SF	1,820.000
	0455-133- 3	SHEET PILING STEEL, F&I PERMANENT	SF	4,502.000
	0515- 2-311	PEDESTRIAN/ BICYCLE RAILING, ALUMINUM ONLY,42" TYPE 1	LF	322.000

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	0520- 1- 7	CONCRETE CURB & GUTTER, TYPE E	LF	3,804.000
	0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	12,712.000
	0520- 2- 4	CONCRETE CURB, TYPE D	LF	78.000
	0520- 3-	VALLEY GUTTER- CONCRETE	LF	493.000
	0520- 5- 11	TRAFFIC SEPARATOR CONCRETE-TYPE I, 4' WIDE	LF	2,702.000
	0520- 70-	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	SY	474.000
	0521- 1- 11	MEDIAN CONCRETE BARRIER, 38" HEIGHT	LF	1,703.000
	0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	6,346.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	1,430.000
	0527- 2-	DETECTABLE WARNINGS	SF	577.000
	0531- 1- 5	IMPERMEABLE LINER, PROJECT NUMBER 198017-6-52-01	SY	3,862.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	11,645.000
	0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	8.290
	0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	4,281.000
	0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	4,515.000
	0710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	17.698
	0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	166.000
	0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	18.333
	0710- 11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	3,334.000
	0999- 16-	PARTNERING, DO NOT BID (19801765201)	LS	1.000
	0999- 20- 1	DISPUTES REVIEW BOARD, MEETING- DO NOT BID	DA	28.000
	0999- 20- 2	DISPUTES REVIEW BOARD, HEARING- DO NOT BID	EA	2.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (19801765201)	LS	1.000
Section 0002 Signing				
	0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	30.000
	0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	6.000
	0700- 1- 13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS	15.000
	0700- 1- 50	SINGLE POST SIGN, RELOCATE	AS	22.000
	0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	41.000
	0700- 2- 14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS	1.000
	0700- 4-610	OVERHEAD STATIC SIGN STRUCTURE, REMOVE CANTILEVER	EA	1.000
	0705- 11- 1	DELINEATOR, FLEXIBLE TUBULAR	EA	28.000
	0705- 11- 2	DELINEATOR, NON-FLEXIBLE	EA	1.000
	0710- 11-190	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ISLAND NOSE	SF	407.000
	0710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	266.000
	0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (19801765201)	LS	1.000
	0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	3,154.000
	0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	764.000
	0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	1.781

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	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	71.000
	0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	56.000
	0711- 11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.222
	0711- 14-123	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 12" FOR CROSSWALK	LF	1,159.000
	0711- 14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	923.000
	0711- 14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	38.000
	0711- 14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	38.000
	0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	4.557
	0711- 16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.430
	0711- 16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	6.060
	0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	2.905
Section 0003 Lighting				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	13,876.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	539.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	70.000
	0715- 1- 13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF	42,882.000
	0715- 4- 23	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE SPECIAL FOUNDATION, 40' MOUNTING HEIGHT	EA	3.000
	0715- 4- 24	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE SPECIAL FOUNDATION, 45' MOUNTING HEIGHT	EA	55.000
	0715- 7- 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	1.000
	0715-500- 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	69.000
	0715-511-135	LIGHT POLE COMPLETE- SPECIAL DESIGN, F&I, SINGLE ARM SHOULDER MOUNT, ALUMINUM, 35'	EA	11.000
Section 0004 Signalization				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	3,565.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	915.000
	0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1.000
	0633- 1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	7,630.000
	0633- 1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	6,780.000
	0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	202.000
	0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	3.000
	0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	17.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	4.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	7.000
	0635- 2- 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	1.000
	0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	2.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	495.000
	0641- 2- 11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA	1.000

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	0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	2.000
	0646- 1- 60	ALUMINUM SIGNALS POLE, REMOVE	EA	1.000
	0649- 21- 15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA	1.000
	0649- 26- 5	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION- BOLT ON ATTACHMENT	EA	1.000
	0650- 1- 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	3.000
	0650- 1- 19	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY	AS	1.000
	0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	2.000
	0660- 4- 11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	4.000
	0660- 4- 12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	4.000
	0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	2.000
	0670- 5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1.000
	0700- 3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	1.000
	0700- 5- 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	1.000
	0700- 11-391	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT- AC POWERED, BLANK OUT SIGN, UP TO 12 SF	AS	1.000
Section 0005 Utilities				
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (19801765601)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (19801765602)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (19801765603)	LS	1.000
	1050- 16-002	UTILITY PIPE,REMOVE & DISPOSE, 2-4.9"	LF	5,350.000
	1050- 16-003	UTILITY PIPE,REMOVE & DISPOSE, 5-7.9"	LF	5,636.000
	1050- 16-004	UTILITY PIPE,REMOVE & DISPOSE, 8-19.9"	LF	6,197.000
	1050- 18-002	UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, 2- 4.9"	LF	120.000
	1050- 18-003	UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, 5- 7.9"	LF	450.000
	1050- 31-104	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, CASING/CONDUIT, 4"	LF	756.000
	1050- 31-204	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 4"	LF	445.000
	1050- 31-206	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 6"	LF	1,198.000
	1050- 31-208	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 8"	LF	1,073.000
	1050- 31-210	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 10"	LF	7.000
	1050- 31-212	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 12"	LF	6,342.000
	1050- 41-202	UTILITY PIPE- POLYETHYLENE, FURNISH & INSTALL, WATER/SEWER, 2"	LF	1,039.000
	1055- 11-414	UTILITY FITTINGS, F&I, DI/CI, ELBOW, 8 - 19.9"	EA	81.000
	1055- 11-424	UTILITY FITTINGS, F&I, DI/CI, TEE, 8 - 19.9"	EA	35.000
	1055- 11-434	UTILITY FITTINGS, F&I, DI/CI, REDUCER, 8 - 19.9"	EA	13.000
	1055- 11-454	UTILITY FITTINGS, F&I, DI/CI, CAP/PLUG, 8 - 19.9"	EA	1.000

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	1060- 15-	UTILITY STRUCTURE, BELOW GROUND, ADJUST/MODIFY	EA	3.000
	1080- 21-102	UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL, 2"	EA	42.000
	1080- 21-104	UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL, 4"	EA	3.000
	1080- 23-106	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 6	EA	3.000
	1080- 23-108	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 8	EA	6.000
	1080- 23-110	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 10"	EA	1.000
	1080- 23-112	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 12"	EA	33.000
	1080- 24-104	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 4"	EA	5.000
	1080- 24-106	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 6"	EA	26.000
	1080- 24-108	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 8"	EA	10.000
	1080- 24-110	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 10"	EA	2.000
	1080- 24-112	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 12"	EA	15.000
	1080- 24-600	UTILITY FIXTURE, VALVE ASSEMBLY, REMOVE	EA	31.000
	1080- 26-102	UTILITY FIXTURE, VAC/AIR ASSEMBLY, FURNISH & INSTALL 2"	EA	5.000
	1644-113- 08	FIRE HYDRANT, F&I, STANDARD, 2 HOSE, 1PUMPER, 6"	EA	15.000
	1644-900-	FIRE HYDRANT, REMOVE	EA	15.000