

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

Letting: CT191030 Call Order: 012 Proposal: T5680 District:05  
 Counties: SEMINOLE  
 Road Name: SR 436  
 Limits: AT CR 427 AND FROM BOSTON AVE TO ANCHOR RD  
 Project(s): 43493115201(\*) Federal Aid No: D519029B  
 Project(s): 43493115601 Federal Aid No: N/A  
 Total Roadway Length: 4.705 Miles Contract Days: 370  
 Total Bridge Length: 0.000 Miles Letting Date: 10/30/19  
 Total Proposal Length: 4.705 Miles Contract Execution Days: 10  
 Special Start Date: N/A  
 Aquis/Flexible Start Time: 120 Calendar Days  
 Proposal Budget Estimate: \$4,263,611.00

Please read the full advertisement

Description:

The improvements under this contract consist of intersection improvements to widen the roadway and provide an additional eastbound left turn lane. Also included is signalization and drainage improvements along with sidewalk reconstruction on SR 436.

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ALT	Item	Description	Unit	Quantity
<b>Section 0001 Roadway</b>				
	0101- 1-	MOBILIZATION (43493115201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (43493115201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	200.000
	0102- 60-	WORK ZONE SIGN	ED	39,660.000
	0102- 71- 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF	233.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	91,330.000
	0102- 74- 2	CHANNELIZING DEVICE, TYPE III, 6'	ED	2,465.000
	0102- 75- 3	TEMPORARY SEPARATOR, INSTALL	LF	651.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	740.000
	0102- 78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	1,135.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	740.000
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	1,110.000
	0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	1,110.000
	0104- 10- 3	SEDIMENT BARRIER	LF	8,036.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	45.000
	0107- 1-	LITTER REMOVAL	AC	21.950
	0107- 2-	MOWING	AC	3.700
	0110- 1- 1	CLEARING & GRUBBING (43493115201)	LS	1.000
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	7,635.000
	0120- 1-	REGULAR EXCAVATION	CY	4,934.000
	0120- 6-	EMBANKMENT	CY	285.000
	0160- 4-	TYPE B STABILIZATION	SY	5,540.000
	0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	4,492.000
	0327- 70- 2	MILLING EXIST ASPH PAVT, 3 1/2" AVG DEPTH	SY	12,289.000

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ALT	Item	Description	Unit	Quantity
	0327- 70- 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	9,750.000
	0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	2,904.200
	0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN	2,050.000
	0425- 1-311	INLETS, CURB, TYPE P-1, <10'	EA	6.000
	0425- 1-351	INLETS, CURB, TYPE P-5, <10'	EA	3.000
	0425- 1-361	INLETS, CURB, TYPE P-6, <10'	EA	1.000
	0425- 1-411	INLETS, CURB TYPE J-1, <10'	EA	1.000
	0425- 1-451	INLETS, CURB, TYPE J-5, <10'	EA	1.000
	0425- 1-471	INLETS, CURB, TYPE 7, <10'	EA	3.000
	0425- 2- 43	MANHOLES, P-7, PARTIAL	EA	3.000
	0425- 2- 61	MANHOLES, P-8, <10'	EA	2.000
	0425- 2- 63	MANHOLES, P-8, PARTIAL	EA	3.000
	0425- 2- 71	MANHOLES, J-7, <10'	EA	1.000
	0425- 2- 91	MANHOLES, J-8, <10'	EA	1.000
	0425- 11-	MODIFY EXISTING DRAINAGE STRUCTURE	EA	11.000
	0430-175-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"S/CD	LF	105.000
	0430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	LF	755.000
	0430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD	LF	371.000
	0430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	2.000
	0520- 1- 7	CONCRETE CURB & GUTTER, TYPE E	LF	1,150.000
	0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	3,648.000
	0520- 2- 4	CONCRETE CURB, TYPE D	LF	98.000
	0520- 5- 11	TRAFFIC SEPARATOR CONCRETE-TYPE I, 4' WIDE	LF	726.000
	0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	8,626.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	169.000
	0522- 3-	BUS BOARDING PAD- CONCRETE	SY	50.000
	0527- 2-	DETECTABLE WARNINGS	SF	1,072.000
	0570- 1- 1	PERFORMANCE TURF	SY	1,355.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	3,101.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	155.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	4.000
	0695- 1- 1	TRAFFIC MONITORING SITE VEHICLE SENSOR-NON-WEIGHT, FURNISH & INSTALL	EA	6.000
	0695- 6- 12	TRAFFIC MONITORING SITE INDUCTIVE LOOP ASSEMBLY, FURNISH & INSTALL, 2 LOOPS	EA	6.000
	0695- 7-162	TRAFFIC MONITORING SITE CABINET, F&I, TYPE 3, 2 PANE BACK, PEDESTAL MOUNT	EA	1.000
	0695- 7-600	TRAFFIC MONITORING SITE CABINET, REMOVE EXISTING CABINET	EA	2.000
	0695- 8- 11	TRAFFIC MONITORING SITE COMMUNICATIONS MODEM FURNISH & INSTALL	EA	1.000
	0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	3.360
	0710- 11-102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	0.186
	0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	3,345.000

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ALT	Item	Description	Unit	Quantity
	0710- 11-124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	127.000
	0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	1,703.000
	0710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	3.441
	0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.436
	0710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	8.000
	0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	31.000
	0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	1.767
	0710- 11-202	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	0.063
	0710- 11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	630.000
	0710- 11-241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	0.024
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (43493115201)	LS	1.000
<b>Section 0002 Signing</b>				
	0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	15.000
	0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	10.000
	0700- 1- 14	SINGLE POST SIGN, F&I GROUND MOUNT, 31+ SF	AS	2.000
	0700- 1- 50	SINGLE POST SIGN, RELOCATE	AS	10.000
	0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	25.000
	0700- 3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA	3.000
	0705- 11- 4	DELINEATOR, FLEXIBLE HIGH PERFORMANCE 48"	EA	10.000
	0710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	123.000
	0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (43493115201)	LS	1.000
	0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	1,590.000
	0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	45.000
	0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	486.000
	0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.277
	0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	7.000
	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	25.000
	0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	165.000
	0711- 11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.024
	0711- 14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	266.000
	0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	1.383
	0711- 16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.097
	0711- 16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	1.552

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	0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.709
	0711- 16-202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM	0.040
<b>Section 0003 Signalization</b>				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	730.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	4,690.000
	0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	5.000
	0632- 7- 6	SIGNAL CABLE, REMOVE- INTERSECTION	PI	3.000
	0633- 1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	1,300.000
	0633- 1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	3,905.000
	0633- 1-610	FIBER OPTIC CABLE, REMOVE, OVERHEAD	LF	2,000.000
	0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	266.000
	0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	7.000
	0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	23.000
	0633- 3- 16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	4.000
	0633- 4- 1	SIGNALS COMMUNICATION CABLE- TWISTED PAIR CABLE, FURNISH & INSTALL	LF	740.000
	0634- 4-600	SPAN WIRE ASSEMBLY, REMOVE- POLES REMAIN	PI	2.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	40.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	19.000
	0635- 2- 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	4.000
	0635- 2- 50	PULL & SPLICE BOX, REPAIR	EA	2.000
	0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	3.000
	0639- 1-610	ELECTRICAL POWER SERVICE, REMOVE OVERHEAD	AS	2.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	255.000
	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	3.000
	0641- 2- 60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA	3.000
	0641- 2- 70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	5.000
	0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	12.000
	0646- 1- 12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA	2.000
	0646- 1- 60	ALUMINUM SIGNALS POLE, REMOVE	EA	3.000
	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	2.000
	0649- 21- 12	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-40'	EA	1.000
	0649- 21- 15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA	2.000

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ALT	Item	Description	Unit	Quantity
	0649- 21- 21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'	EA	1.000
	0649- 26- 3	STEEL MAST ARM ASSEMBLY, REMOVE, SHALLOW FOUNDATION-BOLT ON ATTACHMENT	EA	3.000
	0650- 1- 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	34.000
	0650- 1- 19	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY	AS	2.000
	0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	11.000
	0653- 1- 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	1.000
	0653- 1- 60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	2.000
	0660- 1-103	LOOP DETECTOR INDUCTIVE, F&I, TYPE 3	EA	6.000
	0660- 1-104	LOOP DETECTOR, INDUCTIVE, F&I, TYPE 4, 2CHANNEL, SOLID STATE, SHELF MOUNTED, TIME DELAY	EA	4.000
	0660- 1-105	LOOP DETECTOR, INDUCTIVE, F&I, TYPE 5, 2CHANNEL, SOLID STATE, SHELF MOUNTED	EA	3.000
	0660- 1-107	LOOP DETECTOR INDUCTIVE , F&I, TYPE 7, 4 CH,SS,S	EA	9.000
	0660- 2-102	LOOP ASSEMBLY, F&I, TYPE B	AS	6.000
	0660- 2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	23.000
	0660- 6-422	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH RELOCATE, ABOVE GROUND EQUIPMENT	EA	2.000
	0663- 1-111	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, CABINET ELECTRONICS	EA	2.000
	0663- 1-112	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, DETECTOR	EA	8.000
	0663- 1-121	SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, REPLACE CABINET ELECTRONICS	EA	2.000
	0663- 1-122	SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, DETECTOR	EA	2.000
	0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	15.000
	0665- 1- 60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	3.000
	0670- 5-111	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION	AS	2.000
	0670- 5-112	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 2 PREEMPTION	AS	1.000
	0670- 5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1.000
	0670- 5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	3.000
	0682- 1-400	ITS CCTV CAMERA, RELOCATE	EA	2.000
	0700- 3-101	SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF	EA	15.000
	0700- 3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	5.000
	0700- 3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA	2.000
	0700- 5- 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	8.000
	0715- 1- 11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR <	LF	3,280.000
	0715- 5- 30	LUMINAIRE & BRACKET ARM, INSTALL	EA	10.000
<b>Section 0004 Utilities</b>				
	0101- 1-	MOBILIZATION (43493115601)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (43493115601)	LS	1.000

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	0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	27.000
	0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	19.800
	0425- 6-	VALVE BOXES, ADJUST	EA	17.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (43493115601)	LS	1.000
	1050- 16-002	UTILITY PIPE,REMOVE & DISPOSE, 2-4.9"	LF	395.000
	1050- 16-003	UTILITY PIPE,REMOVE & DISPOSE, 5-7.9"	LF	190.000
	1050- 16-004	UTILITY PIPE,REMOVE & DISPOSE, 8-19.9"	LF	355.000
	1050- 18-003	UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, 5- 7.9"	LF	845.000
	1050- 18-004	UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, 8-19.9"	LF	690.000
	1050- 31-208	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 8"	LF	50.000
	1050- 42-202	UTILITY PIPE- HIGH DENSITY POLYETHYLENE, FURNISH & INSTALL, WATER/SEWER, 2"	LF	395.000
	1050- 42-208	UTILITY PIPE- HIGH DENSITY POLYETHYLENE, FURNISH & INSTALL, WATER/SEWER, 8"	LF	520.000
	1050- 42-210	UTILITY PIPE- HIGH DENSITY POLYETHYLENE, FURNISH & INSTALL, WATER/SEWER, 10"	LF	110.000
	1050- 51-206	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 6"	LF	150.000
	1050- 51-208	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 8"	LF	50.000
	1050- 51-210	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 10"	LF	950.000
	1050- 51-212	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 12"	LF	175.000
	1055- 11-494	UTILITY FITTINGS, F&I, DI/CI, SPECIAL, 8.0-19.9"	EA	7.000
	1055- 51-108	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 8"	EA	6.000
	1055- 51-110	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 10"	EA	8.000
	1055- 51-112	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 12"	EA	4.000
	1055- 51-208	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 8"	EA	2.000
	1055- 51-308	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 8"	EA	3.000
	1055- 51-310	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 10"	EA	1.000
	1055- 51-312	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 12"	EA	1.000
	1055- 51-408	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL UNION, 8"	EA	3.000
	1055- 51-508	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 8"	EA	6.000
	1055- 51-510	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 10"	EA	2.000
	1055- 51-608	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL Y, 8"	EA	1.000
	1080- 21-106	UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL, 6"	EA	6.000
	1080- 21-108	UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL, 8"	EA	3.000

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	1080- 23-106	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 6"	EA	2.000
	1080- 23-110	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 10"	EA	3.000
	1080- 23-112	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 12"	EA	1.000
	1080- 24-106	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 6"	EA	3.000
	1080- 24-108	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 8"	EA	8.000
	1080- 24-110	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 10"	EA	2.000
	1080- 27-106	UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 6"	EA	3.000
	1080- 27-108	UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 8"	EA	2.000
	1080- 27-110	UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 10"	EA	2.000
	1080- 27-112	UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 12"	EA	2.000
	1080- 32-102	UTILITY FIXTURE- SAMPLE POINT, FURNISH & INSTALL, 2"	EA	4.000
	1080- 32-108	UTILITY FIXTURE- SAMPLE POINT, FURNISH & INSTALL, 8"	EA	5.000
	1080- 32-110	UTILITY FIXTURE- SAMPLE POINT, FURNISH & INSTALL, 10"	EA	2.000
	1080- 32-112	UTILITY FIXTURE- SAMPLE POINT, FURNISH & INSTALL, 12"	EA	2.000
	1644-112- 06	FIRE HYDRANT, F&I, STANDARD, 2 HOSE, 6"	EA	2.000
	1644-900-	FIRE HYDRANT, REMOVE	EA	1.000