

Florida Department of Transportation
Bid Solicitation Notice and Approximate Quantities

Letting: 05210202 Call Order: 002 Proposal: E52A7 District:05

Counties: BREVARD

Road Name: SR 5 (US 1) AT SR 404 EB RAMPS SIGNALIZATION

Limits: 70020000

Project(s): 44194515201(*) Federal Aid No: N/A

Total Roadway Length:	0.225 Miles	Contract Days:	130
Total Bridge Length:	0.000 Miles	Letting Date:	02/02/21
Total Proposal Length:	0.225 Miles	Contract Execution Days:	10
		Special Start Date:	N/A
		Aquis/Flexible Start Time:	120

Proposal Budget Estimate: \$1,700,843.00

Please read the full advertisement

Description:

The Improvements under this Contract consist of milling and resurfacing; minor roadway widening and shoulder construction; pavement and pipe removal; installation of pipe, inlets, underdrain, gutter, curb, guardrail and signage; and painting of pavement markings. Signalization activities include the installation of open trench and directional bore conduit, signal heads, pull and splice boxes, mast arms, video vehicle detection systems, internally illuminated signs, cabinets, and cabinet bases for temporary span wire signalization during construction and final mast arm assembly signalization on State Road 5 (US 1) at the State Road 404 (Pineda Causeway) interchange from north of Roberts Road (Milepost 9.503) to Bridge Number 700075 (Milepost 9.642), approximately 0.14 miles in Brevard County. Some trees will be removed to facilitate construction activities. All activities will occur within the existing right-of-way.

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

PREQUALIFICATION REQUIRED

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ALT	Item	Description	Unit	Quantity
Section 0002 Roadway				
	0101- 1-	MOBILIZATION (44194515201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (44194515201)	LS	1.000
	0102- 2-200	SPECIAL DETOUR- TEMPORARY PAVEMENT (44194515201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	24.000
	0102- 60-	WORK ZONE SIGN	ED	2,261.000
	0102- 62-	BARRIER MOUNTED WORK ZONE SIGN- INDEX 11871/700-013	ED	46.000
	0102- 71- 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF	636.000
	0102- 71- 15	TEMPORARY BARRIER, F&I, ANCHORED	LF	275.000
	0102- 71- 23	TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE	LF	638.000
	0102- 71- 25	TEMPORARY BARRIER, RELOCATE, ANCHORED	LF	288.000
	0102- 71- 26	TEMPORARY BARRIER, RELOCATE, FREE STANDING	LF	325.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	3,203.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	24.000
	0102- 78-	TEMPORARY RAISED/RETROREFLECTIVE PAVEMENT MARKER	EA	107.000
	0102- 89- 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	5.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	731.000
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	95.000

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	0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	95.000
	0102-913- 21	REMOVABLE TAPE, WHITE, SOLID 6"	GM	0.043
	0104- 10- 3	SEDIMENT BARRIER	LF	749.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	8.000
	0107- 1-	LITTER REMOVAL	AC	15.050
	0107- 2-	MOWING	AC	9.580
	0110- 1- 1	CLEARING & GRUBBING (44194515201)	LS	1.000
	0110- 2- 2	SELECTIVE CLEARING AND GRUBBING, AREAS WITH TREES TO REMAIN	AC	0.620
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	159.000
	0110- 21-	TREE PROTECTION BARRIER	LF	1,216.000
	0110- 23-	TREE REMOVAL	EA	44.000
	0120- 1-	REGULAR EXCAVATION	CY	1,231.600
	0120- 6-	EMBANKMENT	CY	892.400
	0160- 4-	TYPE B STABILIZATION	SY	2,557.000
	0285-706-	OPTIONAL BASE, BASE GROUP 06	SY	747.000
	0285-710-	OPTIONAL BASE, BASE GROUP 10	SY	1,825.000
	0327- 70- 4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	SY	108.000
	0327- 70- 5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	SY	1,120.000
	0327- 70- 10	MILLING EXIST ASPH PAVT, 5" AVG DEPTH	SY	88.000
	0327- 70- 11	MILLING EXIST ASPH PAVT, 2 1/4" AVG DEPTH	SY	2,377.000
	0327- 70- 19	MILLING EXIST ASPH PAVT, 3/4" AVG DEPTH	SY	105.000
	0327- 70- 20	MILLING EXIST ASPH PAVT, 3 3/4" AVG DEPTH	SY	560.000
	0327- 70- 22	MILLING EXISTING ASPHALT PAVEMENT, 4 1/4" AVG DEPTH	SY	115.000
	0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	200.000
	0334- 1- 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22	TN	947.600
	0337- 7- 25	ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, PG 76-22	TN	162.600
	0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN	263.700
	0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	8.400
	0425- 1-351	INLETS, CURB, TYPE P-5, <10'	EA	1.000
	0425- 1-701	INLETS, GUTTER, TYPE S, <10'	EA	3.000
	0425- 2- 41	MANHOLES, P-7, <10'	EA	1.000
	0425- 2- 61	MANHOLES, P-8, <10'	EA	1.000
	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	238.000
	0430-175-218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER-ELIP/ARCH, 18"S/CD	LF	66.000
	0430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	2.000
	0440- 1- 20	UNDERDRAIN, TYPE II	LF	322.000
	0440- 70-	UNDERDRAIN INSPECTION BOX	EA	2.000
	0520- 1- 7	CONCRETE CURB & GUTTER, TYPE E	LF	133.000
	0520- 6-	SHOULDER GUTTER- CONCRETE	LF	769.000
	0536- 1- 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	213.000
	0536- 8-122	GUARDRAIL TRANSITION CONNECTION TO RIGID BARRIER, FURNISH AND INSTALL, EXISTING BRIDGE APPROACH TL-3	EA	1.000

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	0536- 73-	GUARDRAIL REMOVAL	LF	201.000
	0536- 85- 20	GUARDRAIL END TREATMENT- TRAILING ANCHORAGE	EA	1.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	5,615.000
	0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.458
	0710- 11-102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	0.208
	0710- 11-124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	218.000
	0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	114.000
	0710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	0.167
	0710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	1.000
	0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	9.000
	0710- 11-190	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ISLAND NOSE	SF	12.000
	0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.565
	0710- 11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	70.000
	0710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	15.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (44194515201)	LS	1.000
Section 0003 Signing				
	0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	16.000
	0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	8.000
	0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	19.000
	0700- 2- 16	MULTI- POST SIGN, F&I GROUND MOUNT, 101-200 SF	AS	1.000
	0700- 2- 60	MULTI- POST SIGN, REMOVE	AS	1.000
	0700- 3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA	1.000
	0700- 6- 21	HIGHLIGHTED SIGN, F&I GROUND MOUNT- SOLAR POWERED, UP TO 12 SF	AS	4.000
	0700- 11-231	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- SOLAR POWER, SPEED FEEDBACK, UP TO 12 SF	AS	2.000
	0700- 12- 11	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, ONE BEACON	AS	2.000
	0705- 11- 1	DELINEATOR, FLEXIBLE TUBULAR	EA	19.000
	0710- 11-190	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ISLAND NOSE	SF	39.000
	0710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	15.000
	0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (44194515201)	LS	1.000
	0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	152.000
	0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	95.000
	0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.041
	0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	4.000
	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	16.000
	0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	14.000

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	0711- 11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.007
	0711- 15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	0.427
	0711- 15-102	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 8"	GM	0.060
	0711- 15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	0.224
	0711- 15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	0.269
Section 0005 Signalization				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	2,219.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1,053.000
	0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1.000
	0632- 7- 2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	992.000
	0633- 1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	3,280.000
	0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	38.000
	0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	1.000
	0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	1.000
	0633- 3- 15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	4.000
	0633- 8- 1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	81.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	29.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	12.000
	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	1,584.000
	0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	5.000
	0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	3.000
	0649- 21- 12	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-40'	EA	1.000
	0649- 21- 19	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-60'	EA	1.000
	0650- 1- 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	9.000
	0660- 4- 11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	1.000
	0660- 4- 12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	4.000
	0660- 7- 11	VEHICLE DETECTION SYSTEM- WRONG WAY FOR EXIT RAMP, 1 OR 2 LANES	EA	1.000
	0670- 5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS	1.000
	0676- 2-122	ITS CABINET, FURNISH & INSTALL, POLE MOUNT WITH SUNSHIELD, 336S, 24" W X 46" H X 22" D	EA	1.000
	0676- 3- 10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D	EA	2.000
	0682- 1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	2.000

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	0682- 1-133	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, IP, HIGH DEFINITION	EA	1.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	3.000
	0684- 5- 1	MEDIA CONVERTER, FURNISH & INSTALL	EA	1.000
	0685- 1- 13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA	2.000
	0685- 2- 1	REMOTE POWER MANAGEMENT UNIT- RPMU, FURNISH AND INSTALL	EA	1.000
	0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	1.000
	0700- 5- 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	2.000
	0700- 5- 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	2.000
	0700- 6- 11	HIGHLIGHTED SIGN, F&I GROUND MOUNT- AC POWERED, UP TO 12 SF	AS	4.000
	0700- 11-391	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT- AC POWERED, BLANK OUT SIGN, UP TO 12 SF	AS	1.000
	0700- 13- 15	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA	4.000