

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

Letting: 08250506      Call Order: 001      Proposal: E8V92      District:08

Counties: ORANGE

Road Name: TSM&O IMPROVEMENTS TO SR 50 OCOEE IN ORANGE COUNTY (MP 267B)

Limits: 75050000

Project(s): 45208215201(\*)      Federal Aid No: N/A

Total Roadway Length:	1.058 Miles	Contract Days:	310
Total Bridge Length:	0.000 Miles	Letting Date:	05/06/25
Total Proposal Length:	1.058 Miles	Contract Execution Days:	10
		Special Start Date:	N/A
		Aquis/Flexible Start Time:	120

Proposal Budget Estimate: \$5,682,893.00

Please read the full advertisement

**Description:**

Work consists of providing all labor, materials, equipment and incidentals necessary for a TSM&O project at the SR 50 Ocoee interchange in Orange County (MP 267B) that includes the addition of a right lane on the outside of SR 50 eastbound to accommodate right in/right out access at Marshall Farms Road. It also includes the addition of a wall to retain the southern end bent spill slope under existing Bridge No. 750285 and a new actuated signal at the Turnpike off ramp terminal at SR 50 in the eastbound direction. The proposed work will include modifications to the Turnpike on and off ramps to SR 50 as required to accommodate the added lane. Additional project elements including drainage modifications, milling, resurfacing, lighting, and replacement of the ITS fiber optic cable backbone along SR 50 from the southbound SR 429 ramps intersection to Maguire Road.  
No Pre-Bid Conference. Contractor must be prequalified.

**Call Order: 001 Proposal: E8V92**

ALT	Item	Description	Unit	Quantity
<b>Section 0001 Roadway</b>				
	0101- 1-	MOBILIZATION (45208215201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (45208215201)	LS	1.000
	0102- 2-200	SPECIAL DETOUR- TEMPORARY PAVEMENT (45208215201)	LS	1.000
	0102- 2-300	SPECIAL DETOUR- TEMPORARY EARTHWORK/BASE (45208215201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	250.000
	0102- 30-	TEMPORARY HIGHWAY LIGHTING (45208215201)	LS	1.000
	0102- 60-	WORK ZONE SIGN	ED	9,470.000
	0102- 71- 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF	1,272.000
	0102- 71- 15	TEMPORARY BARRIER, F&I, ANCHORED	LF	762.000
	0102- 71- 23	TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE	LF	504.000
	0102- 71- 25	TEMPORARY BARRIER, RELOCATE, ANCHORED	LF	1,014.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	8,431.000
	0102- 74- 8	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	FD	4,271.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	322.000
	0102- 89- 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	4.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	746.000
	0102-115-	TYPE III BARRICADE	ED	1,066.000
	0104- 10- 3	SEDIMENT BARRIER	LF	3,551.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	19.000

**Call Order: 001 Proposal: E8V92**

ALT	Item	Description	Unit	Quantity
	0107- 1-	LITTER REMOVAL	AC	19.390
	0107- 2-	MOWING	AC	15.440
	0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING (45208215201)	LS	1.000
	0110- 1- 1	CLEARING & GRUBBING (45208215201)	LS	1.000
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	2,420.000
	0110- 21-	TREE PROTECTION BARRIER	LF	1,467.000
	0120- 1-	REGULAR EXCAVATION	CY	3,645.400
	0120- 6-	EMBANKMENT	CY	464.400
	0160- 4-	TYPE B STABILIZATION	SY	3,639.000
	0285-701-	OPTIONAL BASE, BASE GROUP 01	SY	223.000
	0285-712-	OPTIONAL BASE, BASE GROUP 12	SY	2,780.000
	0327- 70- 6	MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH	SY	272.000
	0327- 70- 19	MILLING EXISTING ASPHALT PAVEMENT, 3/4" AVG DEPTH	SY	12,988.000
	0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	588.500
	0334- 1- 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22	TN	66.700
	0337- 7- 25	ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, PG 76-22	TN	602.400
	0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN	100.100
	0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	10.800
	0400- 2- 11	CONCRETE CLASS II, RETAINING WALLS	CY	126.900
	0415- 1- 3	REINFORCING STEEL- RETAINING WALL	LB	13,116.000
	0425- 1-351	INLETS, CURB, TYPE P-5, <10'	EA	1.000
	0425- 1-412	INLETS, CURB, TYPE J-1, >10'	EA	1.000
	0425- 1-422	INLETS, CURB, TYPE J-2, >10'	EA	2.000
	0425- 1-451	INLETS, CURB, TYPE J-5, <10'	EA	2.000
	0425- 1-452	INLETS, CURB, TYPE J-5, >10'	EA	1.000
	0425- 1-461	INLETS, CURB, TYPE J-6, <10'	EA	1.000
	0425- 1-511	INLETS, DT BOT, TYPE B, <10'	EA	1.000
	0425- 1-701	INLETS, GUTTER, TYPE S, <10'	EA	2.000
	0425- 1-784	INLETS, MEDIAN BARRIER, TYPE 1, J BOT, >10'	EA	1.000
	0425- 1-921	INLETS, ADJACENT BARRIER, <=10'	EA	1.000
	0425- 2- 92	MANHOLES, J-8, >10'	EA	1.000
	0430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	LF	244.000
	0430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	198.000
	0430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	24.000
	0430-175-142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	LF	283.000
	0430-175-148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD	LF	86.000
	0430-175-154	PIPE CULVERT, OPT MATERIAL, ROUND, 54"S/CD	LF	16.000
	0430-518-100	STRAIGHT CONCRETE ENDWALLS, 18", SINGLE, 0 DEGREES, ROUND	EA	1.000
	0430-830-	PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE	CY	40.000
	0440- 1- 20	UNDERDRAIN, TYPE II	LF	1,031.000
	0440- 70-	UNDERDRAIN INSPECTION BOX	EA	16.000
	0440- 73- 2	UNDERDRAIN OUTLET PIPE, 6"	LF	183.000
	0451- 70-	PREST SOIL ANCHORS	EA	6.000

**Call Order: 001 Proposal: E8V92**

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	0451- 70- 1	PRESTRESSED SOIL ANCHOR, PERFORMANCE TEST	EA	3.000
	0451- 70- 2	PRESTRESSED SOIL ANCHOR, CREEP TEST	EA	1.000
	0455- 35- 8	STEEL PILING, HP 14 X 117	LF	277.000
	0455- 35-116	STEEL PILING, HP 18 X 204	LF	183.000
	0455- 35-119	STEEL PILING, W 14 X 398	LF	322.000
	0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	1,048.000
	0520- 6-	SHOULDER GUTTER- CONCRETE	LF	309.000
	0520- 70-	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	SY	42.000
	0521- 1- 11	MEDIAN CONCRETE BARRIER, 38" HEIGHT	LF	9.000
	0521- 1- 12	MEDIAN CONCRETE BARRIER, SHORT GRADE-SEPARATED	LF	54.000
	0521- 1- 13	MEDIAN CONCRETE BARRIER, TALL GRADE-SEPARATED	LF	190.000
	0521- 72- 43	SHOULDER CONCRETE BARRIER, CURB AND GUTTER BARRIER	LF	244.000
	0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	526.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	61.000
	0524- 1- 2	CONCRETE DITCH PAVEMENT, NON REINFORCED, 4"	SY	146.000
	0524- 2- 2	CONCRETE SLOPE PAVEMENT, NON REINFORCED, 4"	SY	15.000
	0527- 2-	DETECTABLE WARNINGS	SF	53.000
	0536- 1- 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	343.000
	0536- 6-	PIPE RAIL FOR GUARDRAIL	LF	84.000
	0536- 7- 2	SPECIAL GUARDRAIL POST- SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT	EA	6.000
	0536- 8-112	GUARDRAIL TRANSITION CONNECTION TO RIGID BARRIER, F&I- INDEX 536-001, APPROACH TL-3	EA	1.000
	0536- 73-	GUARDRAIL REMOVAL	LF	360.000
	0536- 85- 20	GUARDRAIL END TREATMENT- TRAILING ANCHORAGE	EA	1.000
	0536- 85- 24	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	1.000
	0544- 3- 2	CRASH CUSHION, TL-3, WIDE	EA	1.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	3,011.000
	0706- 1- 3	RAISED PAVEMENT MARKER, TYPE B	EA	1,350.000
	0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	2.027
	0710- 11-102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	0.195
	0710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	2.586
	0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	1.205
	0925-102-100	OTHER AGENCY TOLL SUSPENSION (DO NOT BID) (45208215201)	LS	1.000
	0999- 16-	PARTNERING, DO NOT BID (45208215201)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (45208215201)	LS	1.000
<b>Section 0002 Signing</b>				
	0700- 1-111	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, LESS THAN 12 SF	EA	7.000
	0700- 1-112	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, 12.0-20.0 SF	EA	15.000
	0700- 1-211	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I BARRIER TOP-MOUNT, LESS THAN 12 SF	EA	1.000
	0700- 1-500	SINGLE COLUMN GROUND SIGN ASSEMBLY, RELOCATE	EA	3.000
	0700- 1-600	SINGLE COLUMN GROUND SIGN ASSEMBLY, REMOVE	EA	14.000

**Call Order: 001 Proposal: E8V92**

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	0700- 2-115	MULTI-COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, 50.1-100.0 SF	EA	2.000
	0700- 3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	1.000
	0700- 5- 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	1.000
	0700- 13- 12	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 2'	EA	4.000
	0704- 1- 3	TUBULAR MARKER, 36" WHITE POST	EA	37.000
	0706- 1- 3	RAISED PAVEMENT MARKER, TYPE B	EA	286.000
	0710- 11-190	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ISLAND NOSE	SF	8.000
	0711- 11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM	0.121
	0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	322.000
	0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	103.000
	0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	68.000
	0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.549
	0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	9.000
	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	17.000
	0711- 14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	118.000
	0711- 14-180	THERMOPLASTIC, PREFORMED, WHITE, YIELD LINE	LF	16.000
	0711- 15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	1.338
	0711- 15-102	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 8"	GM	0.070
	0711- 15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	0.946
	0711- 15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	0.656
<b>Section 0003 Lighting</b>				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	727.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	444.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	49.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	10.000
	0715- 1- 11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR <	LF	300.000
	0715- 1- 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	4,047.000
	0715- 1- 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	943.000
	0715- 11-125	LUMINAIRE, F&I, UNDER DECK, WALL MOUNT	EA	2.000
	0715- 11-211	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE/ARM, ROADWAY, COBRA HEAD	EA	1.000
	0715- 61-252	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT, 15' ARM LENGTH	EA	1.000
	0715- 61-342	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT, 12' ARM LENGTH	EA	2.000
	0715- 61-421	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 45' MOUNTING HEIGHT, 10' ARM LENGTH	EA	5.000

**Call Order: 001 Proposal: E8V92**

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	0715- 69-000	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA	5.000
	0715-500- 1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	8.000
	0715-500- 3	POLE CABLE DISTRIBUTION SYSTEM, WALL MOUNT	EA	1.000
<b>Section 0004 Signalization</b>				
	0611- 2- 1	ITSFM LOCATION DOCUMENTATION- INTERSECTION	EA	1.000
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	384.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	378.000
	0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1.000
	0633- 3- 13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	1.000
	0633- 3- 14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA	1.000
	0633- 3- 16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	1.000
	0633- 3- 17	FIBER OPTIC CONNECTION HARDWARE, F&I, CONNECTOR PANEL	EA	1.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	10.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	2.000
	0639- 1-121	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER FURNISHED BY POWER COMPANY	AS	1.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	315.000
	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	2.000
	0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	2.000
	0646- 2-112	ALUMINUM POLE- INDEX 695-001, FURNISH & INSTALL, 12'	EA	1.000
	0649- 21- 15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA	1.000
	0650- 1- 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	6.000
	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	1.000
	0660- 4- 12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	2.000
	0663- 1-111	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, CABINET ELECTRONICS	EA	1.000
	0663- 1-112	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, DETECTOR	EA	1.000
	0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	2.000
	0670- 5-112	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 2 PREEMPTION	AS	1.000
	0682- 1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	1.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1.000
	0685- 1- 14	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, ONLINE/DOUBLE CONVERSION WITH CABINET	EA	1.000
	0700- 5- 21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	1.000

**Call Order: 001 Proposal: E8V92**

ALT	Item	Description	Unit	Quantity
<b>Section 0005 Intelligent Transportation System</b>				
	0611- 1- 1	ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH	MI	1.040
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	5,679.000
	0633- 1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	297.000
	0633- 1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	6,679.000
	0633- 1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	5,655.000
	0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	182.000
	0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	4.000
	0633- 6-	FIBER OPTIC CABLE LOCATOR	DA	310.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	5.000
	0635- 2- 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	4.000