

Florida Department of Transportation
Bid Solicitation Notice and Approximate Quantities

Letting: 08250530 Call Order: 001 Proposal: E8V71 District:08

Counties: ORANGE

Road Name: REPLACE HEMPEL AVENUE OVERPASS IN ORANGE COUNTY (#750387)

Limits: 75000011

Project(s): 45208015201(*) Federal Aid No: N/A

Project(s): 45208015202 Federal Aid No: N/A

Total Roadway Length: 0.330 Miles Contract Days: 501

Total Bridge Length: 0.073 Miles Letting Date: 05/30/25

Total Proposal Length: 0.403 Miles Contract Execution Days: 10

Special Start Date: N/A

Aquis/Flexible Start Time: 120

Proposal Budget Estimate: \$23,206,865.00

Please read the full advertisement

Description:

Work consists of providing all labor, materials, equipment and incidentals necessary for milling of SR 408 mainline and shoulder reconstruction from MP 0.168 to MP 0.501. The improvements also include replacement of the Hempel Avenue bridge over SR 408 in Orange County. In addition, there are roadway improvements along Hempel Avenue from Lake Hugh Drive to Saddlebrook Lane. These improvements consist of pavement reconstruction, guardrail, sidewalk, retaining wall and curb ramps. The summary of pay items for this project are listed in the Estimated Quantities Report. No Pre-Bid Conference. Contractor must be prequalified.

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ALT	Item	Description	Unit	Quantity
Section 0001 Structures				
	0110- 3-	REMOVAL OF EXISTING STRUCTURES/BRIDGES (45208015201 BRIDGE ID 754192)	LS	1.000
	0400- 2- 4	CONC CLASS II, BRIDGE SUPERSTRUCTURE	CY	533.900
	0400- 2- 5	CONCRETE CLASS II, BRIDGE SUBSTRUCTURE	CY	67.200
	0400- 2- 10	CONCRETE CLASS II, APPROACH SLABS	CY	172.000
	0400- 2- 25	CONCRETE CLASS II, MASS, BRIDGE SUBSTRUCTURE	CY	326.400
	0400- 7- 1	BRIDGE DECK GROOVING	SY	1,508.000
	0400- 9- 1	BRIDGE DECK PLANING	SY	1,929.000
	0400-147-	COMPOSITE NEOPRENE PADS	CF	15.300
	0415- 1- 4	REINFORCING STEEL - BRIDGE SUPERSTRUCTURE	LB	177,302.000
	0415- 1- 5	REINFORCING STEEL- BRIDGE SUBSTRUCTURE	LB	80,610.000
	0415- 1- 9	REINFORCING STEEL- APPROACH SLABS	LB	32,848.000
	0455- 15- 13	PREFORMED PILE HOLES, 22" TO 26" DRILL/PUNCH SIZE	LF	506.000
	0455- 15- 23	PREFORMED PILE HOLES CASING, 22" TO 26" DRILL/PUNCH SIZE	LF	506.000
	0455- 20- 1	PILE INSPECTION, DRIVEN PILE	EA	54.000
	0455- 35- 8	STEEL PILING, HP 14 X 117	LF	5,365.000
	0455-115-	PILE REDRIVE	EA	6.000
	0455-137-	LOAD TEST (DYNAMIC), DATA COLLECTION AND ANALYSIS	EA	54.000
	0455-137- 2	LOAD TEST (DYNAMIC), VERIFICATION TEST	EA	6.000
	0455-144- 8	TEST PILES - STEEL, HP 14 x 117	LF	495.000
	0458- 1- 12	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I STRIP SEAL	LF	130.000

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ALT	Item	Description	Unit	Quantity
	0460- 2- 20	STRUCT STEEL - NEW/WIDENING, WEATHERING (45208015201 BRIDGE ID 754192)	LS	1.000
	0521- 5- 4	CONCRETE TRAFFIC RAILING- BRIDGE, 32" VERTICAL FACE	LF	484.000
	0521- 5- 13	CONCRETE TRAFFIC RAILING- BRIDGE, 36" SINGLE-SLOPE	LF	967.000
	0521- 6- 11	CONCRETE PARAPET, PEDESTRIAN/BICYCLE, 27" HEIGHT	LF	482.000
	0524- 2- 2	CONCRETE SLOPE PAVEMENT, NON REINFORCED, 4"	SY	1,297.000
	0550- 10-343	FENCING, TYPE R, 7.1-8.0, W/FULL ENCLOSURE	LF	450.000
	0550- 10-353	FENCING, TYPE R, 8.1 - 10.0', WITH FULL ENCLOSURE	LF	470.000
	0560- 1-101	COATING NEW STRUCTURAL STEEL- HIGH PERFORMANCE COATING SYSTEM (45208015201 BRIDGE ID 754192)	LS	1.000
Section 0002 Roadway				
	0101- 1-	MOBILIZATION (45208015201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (45208015201)	LS	1.000
	0102- 2-200	SPECIAL DETOUR- TEMPORARY PAVEMENT (45208015201)	LS	1.000
	0102- 2-300	SPECIAL DETOUR- TEMPORARY EARTHWORK/BASE (45208015201)	LS	1.000
	0102- 4- 1	PEDESTRIAN OR BICYCLE SPECIAL DETOUR (45208015201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	280.000
	0102- 30-	TEMPORARY HIGHWAY LIGHTING (45208015201)	LS	1.000
	0102- 60-	WORK ZONE SIGN	ED	26,852.000
	0102- 71- 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF	1,092.000
	0102- 71- 15	TEMPORARY BARRIER, F&I, ANCHORED	LF	4,752.000
	0102- 71- 23	TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE	LF	204.000
	0102- 71- 25	TEMPORARY BARRIER, RELOCATE, ANCHORED	LF	3,408.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	29,398.000
	0102- 74- 8	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	FD	761,983.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	41.000
	0102- 89- 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	16.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	1,581.000
	0102-115-	TYPE III BARRICADE	ED	1,812.000
	0102-150- 1	PORTABLE REGULATORY, SIGN	ED	1,002.000
	0102-150- 2	RADAR SPEED DISPLAY UNIT	ED	1,002.000
	0102-913- 21	REMOVABLE TAPE, WHITE, SOLID 6"	GM	0.424
	0102-913- 31	REMOVABLE TAPE, YELLOW, SOLID, 6"	GM	0.468
	0104- 10- 3	SEDIMENT BARRIER	LF	7,821.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	6.000
	0107- 1-	LITTER REMOVAL	AC	195.330
	0107- 2-	MOWING	AC	195.330
	0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING (45208015201)	LS	1.000
	0108- 2-	MONITOR EXISTING STRUCTURES- VIBRATION MONITORING (45208015201)	LS	1.000
	0110- 1- 1	CLEARING & GRUBBING (45208015201)	LS	1.000
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	1,876.000
	0110- 21-	TREE PROTECTION BARRIER	LF	4,141.000
	0120- 1-	REGULAR EXCAVATION	CY	12,591.400

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	0120- 6-	EMBANKMENT	CY	11,463.000
	0160- 4-	TYPE B STABILIZATION	SY	6,095.000
	0285-705-	OPTIONAL BASE, BASE GROUP 05	SY	520.000
	0285-708-	OPTIONAL BASE, BASE GROUP 08	SY	5,125.000
	0327- 70- 1	MILLING EXISTING ASPHALT PAVEMENT, 1" AVG DEPTH	SY	8,730.000
	0327- 70- 6	MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH	SY	1,386.000
	0327- 70- 19	MILLING EXISTING ASPHALT PAVEMENT, 3/4" AVG DEPTH	SY	13,270.000
	0334- 1- 12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	1,253.200
	0337- 7- 25	ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, PG 76-22	TN	533.400
	0337- 7- 80	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-9.5, PG 76-22	TN	484.700
	0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	103.600
	0400- 0- 11	CONCRETE CLASS NS, GRAVITY WALL INDEX 400-011	CY	34.100
	0425- 1-311	INLETS, CURB, TYPE P-1, <10'	EA	1.000
	0425- 1-312	INLETS, CURB TYPE P-1, >10'	EA	1.000
	0425- 1-341	INLETS, CURB, TYPE P-4, <10'	EA	1.000
	0425- 1-351	INLETS, CURB, TYPE P-5, <10'	EA	10.000
	0425- 1-352	INLETS, CURB, TYPE P-5, >10'	EA	1.000
	0425- 1-361	INLETS, CURB, TYPE P-6, <10'	EA	3.000
	0425- 1-411	INLETS, CURB TYPE J-1, <10'	EA	1.000
	0425- 1-501	INLETS, DT BOT, TYPE A, <10'	EA	1.000
	0425- 1-541	INLETS, DT BOT, TYPE D, <10'	EA	10.000
	0425- 1-543	INLETS, DITCH BOTTOM, TYPE D, J BOT, <10'	EA	2.000
	0425- 1-910	INLETS, CLOSED FLUME	EA	1.000
	0425- 2- 61	MANHOLES, P-8, <10'	EA	2.000
	0425- 2- 62	MANHOLES, P-8, >10'	EA	1.000
	0425- 2- 63	MANHOLES, P-8, PARTIAL	EA	1.000
	0425- 2- 91	MANHOLES, J-8, <10'	EA	1.000
	0425- 2- 92	MANHOLES, J-8, >10'	EA	3.000
	0430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	1,238.000
	0430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	704.000
	0430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	365.000
	0430-175-218	PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 18"S/CD	LF	197.000
	0430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	2.000
	0430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	2.000
	0430-982-138	MITERED END SECTION, OPTIONAL ROUND, 36" CD	EA	1.000
	0455-133- 3	SHEET PILING STEEL, F&I PERMANENT	SF	20,488.000
	0515- 1- 2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	LF	510.000
	0515- 4- 2	BULLET RAIL, DOUBLE RAIL	LF	494.000
	0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	2,963.000
	0520- 3-	VALLEY GUTTER- CONCRETE	LF	211.000
	0521- 8- 3	CONCRETE TRAFFIC RAILING BARRIER, WITH JUNCTION SLAB, 32" VERTICAL FACE	LF	494.000
	0521- 72- 40	SHOULDER CONCRETE BARRIER, 38" OR 44" HEIGHT	LF	176.000
	0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	2,150.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	453.000

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	0524- 1- 29	CONCRETE DITCH PAVEMENT, 4", REINFORCED	SY	7.000
	0527- 2-	DETECTABLE WARNINGS	SF	115.000
	0530- 3- 4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	27.700
	0536- 1- 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	1,093.000
	0536- 1- 3	GUARDRAIL- ROADWAY, DOUBLE FACE	LF	171.000
	0536- 6-	PIPE RAIL FOR GUARDRAIL	LF	363.000
	0536- 7- 2	SPECIAL GUARDRAIL POST- SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT	EA	2.000
	0536- 7- 3	SPECIAL GUARDRAIL POST- ENCASED POST FOR SHALLOW MOUNT	EA	1.000
	0536- 8-112	GUARDRAIL TRANSITION CONNECTION TO RIGID BARRIER, F&I- INDEX 536-001, APPROACH TL-3	EA	8.000
	0536- 73-	GUARDRAIL REMOVAL	LF	2,363.000
	0536- 85- 24	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	6.000
	0548- 12-	RETAINING WALL SYSTEM, PERMANENT, EXCLUDING BARRIER	SF	10,223.000
	0548- 13-	RETAINING WALL SYSTEM,TEMPORARY, EXCLUDING BARRIER	SF	6,780.000
	0550- 10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	LF	3,140.000
	0550- 60-224	FENCE GATE, TYPE B, DOUBLE, 18.1-20.0' OPENING	EA	1.000
	0550- 60-226	FENCE GATE , TYPE B, DOUBLE, 24.1-30.0' OPENING	EA	1.000
	0570- 1- 1	PERFORMANCE TURF	SY	396.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	11,520.000
	0571- 1- 13	PLASTIC EROSION MAT, TURF REINFORCED MAT, TYPE 3	SY	186.000
	0706- 1- 3	RAISED PAVEMENT MARKER, TYPE B	EA	5,825.000
	0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	5.306
	0710- 11-102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	0.238
	0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	327.000
	0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	249.000
	0710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	0.326
	0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.016
	0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	4.342
	0710- 11-241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	0.019
	0999- 16-	PARTNERING, DO NOT BID (45208015201)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (45208015201)	LS	1.000
Section 0003 Signing				
	0546- 72- 1	GROUND-IN RUMBLE STRIPS, 16"	GM	0.721
	0700- 1-111	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, LESS THAN 12 SF	EA	9.000
	0700- 1-112	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, 12.0-20.0 SF	EA	3.000
	0700- 1-113	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, 20.1-30.0 SF	EA	1.000
	0700- 1-600	SINGLE COLUMN GROUND SIGN ASSEMBLY, REMOVE	EA	9.000
	0706- 1- 3	RAISED PAVEMENT MARKER, TYPE B	EA	394.000

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	0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (45208015201)	LS	1.000
	0711- 11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM	0.226
	0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	308.000
	0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	271.000
	0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	50.000
	0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	1.000
	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	7.000
	0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	388.000
	0711- 14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	196.000
	0711- 15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	1.254
	0711- 15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	0.690
	0711- 15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	1.522
	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	0.182
Section 0004 Lighting				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	911.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1,071.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	10.000
	0630- 2- 15	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT	LF	47.000
	0630- 2- 16	CONDUIT, FURNISH & INSTALL, EMBEDDED CONCRETE BARRIERS AND TRAFFIC RAILINGS	LF	1,513.000
	0630- 2- 65	CONDUIT, REMOVE, BRIDGE MOUNT	LF	295.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	8.000
	0635- 3- 13	JUNCTION BOX, FURNISH & INSTALL, EMBEDDED	EA	36.000
	0715- 1- 11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR <	LF	153.000
	0715- 1- 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	5,340.000
	0715- 1- 13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF	2,546.000
	0715- 1- 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	744.000
	0715- 11-115	LUMINAIRE, F&I, ROADWAY, WALL MOUNT	EA	2.000
	0715- 11-500	LUMINAIRE, REMOVE	EA	2.000
	0715- 61-411	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 45' MOUNTING HEIGHT, 8' ARM LENGTH	EA	4.000
	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	4.000
Section 0005 Landscape / Peripheral				
	0590- 70- 1	IRRIGATION SYSTEM REPAIRS (45208015201)	LS	1.000
Section 0006 Utilities				
	1080- 21-500	UTILITY FIXTURE, VALVE/METER BOX, ADJUST	EA	2.000

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ALT	Item	Description	Unit	Quantity
Section 0007 Intelligent Transportation System				
	0102-112-	EXISTING ITS MAINTENANCE	DA	501.000
	0611- 1- 1	ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH	MI	1.000
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	2,490.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	4,109.000
	0633- 1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	20,186.000
	0633- 1-420	FIBER OPTIC CABLE, RELOCATE, UNDERGROUND	LF	4,478.000
	0633- 1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	20,256.000
	0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	582.000
	0633- 2- 32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	12.000
	0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	2.000
	0633- 3- 51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA	7.000
	0633- 6-	FIBER OPTIC CABLE LOCATOR	DA	501.000