

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

Letting: 04230407 Call Order: 002 Proposal: E4W37 District:04

Counties: INDIAN RIVER

Road Name: SR-656/17TH ST EAST END OF BRIDGE - BRIDGE REHABILITATION

Limits: 88003000

Project(s): 44610625201(*) Federal Aid No: N/A

Project(s): 44610625601 Federal Aid No: N/A

Total Roadway Length: 3.608 Miles Contract Days: 1601

Total Bridge Length: 1.793 Miles Letting Date: 04/07/23

Total Proposal Length: 5.401 Miles Contract Execution Days: 10

Special Start Date: N/A

Aquis/Flexible Start Time: 15

Proposal Budget Estimate: \$19,829,731.00

Please read the full advertisement

Description:

The Improvements under this Contract consist of , but are not limited to, bridge (removal, approach slabs, superstructure, substructure, deck, bearing pads, sealer, steel reinforcing bars, fiber-reinforced polymer bars, prestressed beams, prestressed piling, test piles, expansion joint), rubble rip-rap, MOT (standard, special detour, temporary separator, temporary RPM, temporary crash cushion, removable tape), crash cushion, floating turbidity barrier, monitor existing structures (inspection, settlement, vibration), excavation, asphalt (stabilization, base, milling, friction course), bullet rail, concrete (traffic separator, railing, shoulder barrier), pavement markings (painted, RPM, thermoplastic, permanent tape, bike lane), signing (single-post), lighting (temporary, conduit, pull/splice box, junction box, conductors, pole complete, cable distribution), signalization (temporary signalization and maintenance, temporary traffic detection and maintenance), and utilities adjustments (manhole, valve box) along State Road 656 (17th Street), Bridge No. 880077 over Indian River (Intracoastal Waterway), for 0.965 miles in the City of Vero Beach, and unincorporated, Indian River County.

PRE-QUALIFIED: Contractor needs to be pre-qualified.

PLEASE READ 8-13 ALTERNATIVE BIDDING

PERFORMANCE BOND: A Contract / Performance bond is required for this project.

COMMERCIAL GENERAL LIABILITY INSURANCE:

The limits of coverage shall not be less than \$1,000,000 for each occurrence and not less than a \$5,000,000 annual general aggregate, inclusive of amounts provided by an umbrella or excess policy. The limits of coverage described herein shall apply fully to the work or operations performed under the Contract, and may not be shared with or diminished by claims unrelated to the contract. The policy/ies and coverage described herein may be subject to a deductible. Pay all deductibles as required by the policy. No policy/ies or coverage described herein may contain or be subject to a Retention or a Self-Insured Retention.

WORKERS COMPENSATION INSURANCE

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ALT	Item	Description	Unit	Quantity
Section 0001 Structures				
	0110- 3-	REMOVAL OF EXISTING STRUCTURES/BRIDGES (44610625201, 880077)	LS	1.000
	0400- 2- 10	CONCRETE CLASS II, APPROACH SLABS	CY	94.000
	0400- 4- 4	CONCRETE CLASS IV, SUPERSTRUCTURE	CY	105.000
	0400- 4- 5	CONCRETE CLASS IV, BRIDGE SUBSTRUCTURE	CY	328.000
	0400- 4- 47	CONCRETE CLASS IV, CAST IN PLACE TOPPING WITH SHRINKAGE REDUCING ADMIXTURE	CY	875.000
	0400- 7- 1	BRIDGE DECK GROOVING	SY	3,518.000

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ALT	Item	Description	Unit	Quantity
	0400- 9- 1	BRIDGE DECK PLANING	SY	3,518.000
	0400-147-	COMPOSITE NEOPRENE PADS	CF	7.000
	0400-148-	PLAIN NEOPRENE BEARING PADS	CF	56.000
	0413-149-	PENETRANT SEALER	GA	609.000
	0413-151-	METHACRYLATE MONOMER	GA	4,731.000
	0413-154-	CLEANING & SEALING CONCRETE SURFACES - PENETRANT SEALER OR METHACRYLATES	SF	427,160.000
	0415- 1- 9	REINFORCING STEEL- APPROACH SLABS	LB	18,833.000
	0415- 2- 4	STAINLESS REINFORCING STEEL, SUPERSTRUCTURE	LB	216,000.000
	0415- 2- 5	STAINLESS REINFORCING STEEL, SUBSTRUCTURE	LB	3,800.000
	0415- 10- 4	FIBER REINFORCED POLYMER BARS, #4 BAR	LF	14,430.000
	0415- 10- 5	FIBER REINFORCED POLYMER BARS, #5 BAR	LF	156,000.000
	0415- 10- 6	FIBER REINFORCED POLYMER BARS, #6 BAR	LF	30,000.000
	0415- 10- 8	FIBER REINFORCED POLYMER BARS, #8 BAR	LF	13,000.000
	0450- 2- 36	PREST BEAMS: FLORIDA-I BEAM 36"	LF	468.000
	0450- 8- 61	PRESTRESSED BEAM: FLORIDA SLAB BEAM, BEAM DEPTH 15" CFRP/SS, WIDTH 48-51"	LF	7,329.000
	0455- 34- 23	PRESTRESSED CONCRETE PILING, 18" SQ W/FRP OR STAINLESS STEEL STRAND AND REINFORCING	LF	7,810.000
	0455- 35- 5	STEEL PILING, HP 14 X 73	LF	690.000
	0455-143- 23	TEST PILES-PRESTRESSED CONCRETE, 18" SQ W/ FRP OR STAINLESS STEEL STRAND AND REINFORCING	LF	845.000
	0455-144- 5	TEST PILES, STEEL, HP 14 X 73	LF	45.000
	0458- 1- 11	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I POURED JOINT WITH BACKER ROD	LF	509.000
	0460- 2- 15	STRUCT STEEL, MISCELLANEOUS (44610625601, 880077)	LS	1.000
	0530- 3- 3	RIPRAP- RUBBLE, BANK AND SHORE	TN	115.300
	0999- 26-	LOCAL AGENCY INITIAL CONTINGENCY AMOUNT (DO NOT BID) (44610625601)	LS	1.000
Section 0002 Roadway				
	0101- 1-	MOBILIZATION (44610625201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (44610625201)	LS	1.000
	0102- 2-200	SPECIAL DETOUR- TEMPORARY PAVEMENT (44610625201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	32.000
	0102- 60-	WORK ZONE SIGN	ED	100,335.000
	0102- 71- 15	TEMPORARY BARRIER, F&I, ANCHORED	LF	1,113.000
	0102- 71- 16	TEMPORARY BARRIER, F&I, FREE STANDING	LF	125.000
	0102- 71- 26	TEMPORARY BARRIER, RELOCATE, FREE STANDING	LF	125.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	212,275.000
	0102- 74- 8	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	FD	18,492.000
	0102- 75- 1	TEMPORARY SEPARATOR, F&I REMOVE	LF	9,519.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	3,202.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	6,468.000
	0102-115-	TYPE III BARRICADE	ED	12,344.000
	0102-913- 21	REMOVABLE TAPE, WHITE, SOLID 6"	GM	2.936
	0102-913- 31	REMOVABLE TAPE, YELLOW, SOLID, 6"	GM	3.584

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ALT	Item	Description	Unit	Quantity
	0104- 11-	FLOATING TURBIDITY BARRIER	LF	2,488.000
	0107- 1-	LITTER REMOVAL	AC	24.530
	0107- 2-	MOWING	AC	7.710
	0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING (44610625201)	LS	1.000
	0108- 2-	MONITOR EXISTING STRUCTURES- VIBRATION MONITORING (44610625201)	LS	1.000
	0110- 1- 1	CLEARING & GRUBBING (44610625201)	LS	1.000
	0120- 1-	REGULAR EXCAVATION	CY	38.000
	0160- 4-	TYPE B STABILIZATION	SY	273.000
	0285-710-	OPTIONAL BASE, BASE GROUP 10	SY	273.000
	0327- 70- 6	MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH	SY	10,766.000
	0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN	888.200
	0515- 4- 2	BULLET RAIL, DOUBLE RAIL	LF	796.000
	0520- 70-	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	SY	58.000
	0521- 5- 12	CONCRETE TRAFFIC RAILING- BRIDGE, 36" MEDIAN SINGLE SLOPE	LF	398.000
	0521- 5- 13	CONCRETE TRAFFIC RAILING- BRIDGE, 36" SINGLE-SLOPE	LF	856.000
	0521- 72- 43	SHOULDER CONCRETE BARRIER, CURB AND GUTTER BARRIER	LF	27.000
	0544- 3- 1	CRASH CUSHION, TL-3, NARROW	EA	2.000
	0706- 1- 3	RAISED PAVEMENT MARKER, TYPE B	EA	2,972.000
	0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	1.896
	0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	97.000
	0710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	0.493
	0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.301
	0710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	11.000
	0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	15.000
	0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	1.323
	0710- 11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	227.000
	0710- 11-231	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SKIP, 6"	GM	0.205
	0710- 11-241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	0.010
	0999- 16-	PARTNERING, DO NOT BID (44610625201)	LS	1.000
	0999- 20- 1	DISPUTES REVIEW BOARD, MEETING- DO NOT BID	DA	53.000
	0999- 20- 2	DISPUTES REVIEW BOARD, HEARING- DO NOT BID	EA	2.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (44610625201)	LS	1.000
Section 0003 Signing				
	0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	2.000
	0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	2.000
	0700- 1- 21	SINGLE POST SIGN, F&I BARRIER MOUNT INDEX 11871/700-013 UP TO 12 SF	AS	4.000
	0700- 1- 31	SINGLE POST SIGN, F&I BRIDGE MOUNT INDEX 11870/700-012, UP TO 12 SF	AS	17.000

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	0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	24.000
	0706- 1- 3	RAISED PAVEMENT MARKER, TYPE B	EA	1,454.000
	0710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	2.000
	0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (44610625201)	LS	1.000
	0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	26.000
	0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	97.000
	0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.270
	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	15.000
	0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	544.000
	0711- 11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.011
	0711- 14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	39.000
	0711- 14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	39.000
	0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.947
	0711- 16-131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6",1C -30 SKIP OR 3-9 LANE DROP	GM	0.487
	0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.582
	0711- 16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.205
	0713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM	3.587
	0713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM	1.791
	0713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM	1.793
	0920-714-100	GREEN COLORED PAVEMENT MARKINGS, BIKE LANE	SF	587.000
Section 0004 Lighting				
	0102- 30-	TEMPORARY HIGHWAY LIGHTING (44610625201)	LS	1.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	145.000
	0630- 2- 16	CONDUIT, FURNISH & INSTALL, EMBEDDED CONCRETE BARRIERS AND TRAFFIC RAILINGS	LF	403.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	2.000
	0635- 3- 13	JUNCTION BOX, FURNISH & INSTALL, EMBEDDED	EA	5.000
	0715- 1- 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	2,547.000
	0715- 1- 60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	2,547.000
	0715- 63-321	LIGHT POLE COMPLETE, F&I, DOUBLE ARM POLE, MEDIAN BARRIER OR TRAFFIC RAILING MOUNT, 40' MOUNTING HEIGHT, 10' ARM LENGTHS	EA	3.000
	0715- 69-000	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA	3.000
	0715-500- 1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	1.000
	0715-500- 3	POLE CABLE DISTRIBUTION SYSTEM, WALL MOUNT	EA	4.000
Section 0005 Signalization				
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	1,601.000

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	0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	1,601.000
Section 0006 Utilities				
	0425- 5-	MANHOLE, ADJUST	EA	5.000
	0425- 5- 1	MANHOLE, ADJUST, UTILITIES	EA	5.000
	0425- 6-	VALVE BOXES, ADJUST	EA	2.000