

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

Letting: CT190327 Call Order: 012 Proposal: T4505 District:04  
 Counties: BROWARD  
 Road Name: NW 21ST AVE; BRIDGE NO. 864066  
 Limits: FROM SR 816 (OAKLAND PARK BLVD) TO SR 870 (COMMERCIAL BLVD)  
 Project(s): 43668515201(\*) Federal Aid No: D418085B  
 Project(s): 43668515203 Federal Aid No: N/A  
 Project(s): 43668515204 Federal Aid No: N/A  
 Total Roadway Length: 1.515 Miles Contract Days: 433  
 Total Bridge Length: 0.017 Miles Letting Date: 03/27/19  
 Total Proposal Length: 1.532 Miles Contract Execution Days: 10  
 Special Start Date: N/A  
 Aquis/Flexible Start Time: 120 Calendar Days  
 Proposal Budget Estimate: \$7,269,184.00

Please read the full advertisement

**Description:**

The improvements under this contract consist of milling and resurfacing, widening for the addition of bicycle lanes, patterned pavement in bicycle lanes, sidewalk and detectable warnings, drainage, signing and pavement markings, and signals along NW 21st Ave. In addition, the project includes demolition and replacement of Bridge No. 864066 over the South Florida Water Management District C-13 Canal. Bridge construction includes substructure, superstructure, sheet piling, and retaining walls.

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ALT	Item	Description	Unit	Quantity
<b>Section 0001 Structures</b>				
	0110- 3-	REMOVAL OF EXISTING STRUCTURES/BRIDGES (43668515201)	LS	1.000
	0400- 2- 4	CONC CLASS II, BRIDGE SUPERSTRUCTURE	CY	207.700
	0400- 2- 10	CONCRETE CLASS II, APPROACH SLABS	CY	119.600
	0400- 4- 5	CONCRETE CLASS IV, BRIDGE SUBSTRUCTURE	CY	59.900
	0400- 4- 8	CONC CLASS IV, BULKHEAD	CY	155.800
	0400- 7-	BRIDGE DECK GROOVING, LESS THAN 8.5"	SY	451.000
	0400- 72-	PRECAST BULKHEAD PANELS	SF	1,808.000
	0400-147-	COMPOSITE NEOPRENE PADS	CF	4.200
	0415- 1- 4	REINFORCING STEEL - BRIDGE SUPERSTRUCTURE	LB	33,992.000
	0415- 1- 5	REINFORCING STEEL- BRIDGE SUBSTRUCTURE	LB	7,954.000
	0415- 1- 8	REINFORCING STEEL- BULKHEAD	LB	9,896.000
	0415- 1- 9	REINFORCING STEEL- APPROACH SLABS	LB	24,433.000
	0450- 2- 36	PREST BEAMS: FLORIDA-I BEAM 36"	LF	520.000
	0455- 34-312	PRESTRESSED CONCRETE PILING, INCLUDES 100% DYNAMIC TESTING, PROJECT 436685-1-52-01, SIZE 18"	LF	1,271.000
	0455- 87-	ANCHOR BAR, STEEL	EA	18.000
	0455-133- 2	SHEET PILING STEEL, TEMPORARY-CRITICAL	SF	19,649.000
	0455-133- 3	SHEET PILING STEEL, F&I PERMANENT	SF	2,546.000
	0455-143- 3	TEST PILES-PRESTRESSED CONCRETE, 18" SQ	LF	152.000
	0458- 1- 11	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I Poured joint with backer rod	LF	101.000
	0515- 4- 1	BULLET RAIL, SINGLE RAIL	LF	621.000

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ALT	Item	Description	Unit	Quantity
	0521- 5- 4	CONCRETE TRAFFIC RAILING- BRIDGE, 32" VERTICAL FACE	LF	480.000
	0521- 5- 13	CONCRETE TRAFFIC RAILING- BRIDGE, 36" SINGLE-SLOPE	LF	141.000
	0530- 1-	RIPRAP, SAND-CEMENT	CY	43.200
	0530- 3- 3	RIPRAP- RUBBLE, BANK AND SHORE	TN	1,498.900
	0530- 74-	BEDDING STONE	TN	470.000
<b>Section 0002 Roadway</b>				
	0101- 1-	MOBILIZATION (43668515201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (43668515201)	LS	1.000
	0102- 2- 1	SPECIAL DETOUR 1 (43668515201)	LS	1.000
	0102- 2- 2	SPECIAL DETOUR 2 (43668515201)	LS	1.000
	0102- 3-	COMMERCIAL MATERIAL FOR TEMPORARY DRIVEWAY MAINTENANCE	CY	168.800
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	236.000
	0102- 60-	WORK ZONE SIGN	ED	35,629.000
	0102- 71- 15	TEMPORARY BARRIER, F&I, ANCHORED	LF	1,388.000
	0102- 71- 25	TEMPORARY BARRIER, RELOCATE, ANCHORED	LF	1,300.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	131,205.000
	0102- 74- 2	CHANNELIZING DEVICE, TYPE III, 6'	ED	1,153.000
	0102- 74- 7	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	LF	10,949.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	291.000
	0102- 78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	1,844.000
	0102- 89- 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	8.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	4,470.000
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	2,165.000
	0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	2,165.000
	0102-911- 2	PAVEMENT MARKING REMOVABLE TAPE, WHITE OR BLACK,SOLID	LF	1,026.000
	0102-912- 2	PAVEMENT MARKING REMOVABLE TAPE, YELLOW, SOLID	LF	991.000
	0104- 10- 3	SEDIMENT BARRIER	LF	7,720.000
	0104- 11-	FLOATING TURBIDITY BARRIER	LF	223.000
	0104- 12-	STAKED TURBIDITY BARRIER- NYLON REINFORCED PVC	LF	42.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	15.000
	0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING (43668515201)	LS	1.000
	0108- 2-	MONITOR EXISTING STRUCTURES- VIBRATION MONITORING (43668515201)	LS	1.000
	0110- 1- 1	CLEARING & GRUBBING (43668515201)	LS	1.000
	0110- 2- 2	SELECTIVE CLEARING AND GRUBBING, AREAS WITH TREES TO REMAIN	AC	1.840
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	3,564.000
	0110- 7- 1	MAILBOX, F&I SINGLE	EA	6.000
	0120- 1-	REGULAR EXCAVATION	CY	4,917.300
	0120- 5-	CHANNEL EXCAVATION	CY	1,048.200
	0120- 6-	EMBANKMENT	CY	4,547.300
	0145- 2-	GEOSYNTHETIC REINFORCED FOUNDATION OVER SOFT SOIL	SY	489.000
	0160- 4-	TYPE B STABILIZATION	SY	18,789.000

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	0285-711-	OPTIONAL BASE, BASE GROUP 11	SY	7,062.000
	0285-713-	OPTIONAL BASE, BASE GROUP 13	SY	9,112.000
	0327- 70- 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	33,636.000
	0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	3,310.700
	0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN	4,077.100
	0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	7.700
	0400- 0- 11	CONCRETE CLASS NS, GRAVITY WALL	CY	47.200
	0425- 1-351	INLETS, CURB, TYPE P-5, <10'	EA	2.000
	0425- 1-352	INLETS, CURB, TYPE P-5, >10'	EA	1.000
	0425- 1-361	INLETS, CURB, TYPE P-6, <10'	EA	1.000
	0425- 1-521	INLETS, DT BOT, TYPE C, <10'	EA	13.000
	0425- 1-701	INLETS, GUTTER, TYPE S, <10'	EA	1.000
	0425- 2- 41	MANHOLES, P-7, <10'	EA	1.000
	0425- 2- 62	MANHOLES, P-8, >10'	EA	1.000
	0425- 2- 71	MANHOLES, J-7, <10'	EA	1.000
	0425- 2- 72	MANHOLES, J-7, >10'	EA	1.000
	0425- 5-	MANHOLE, ADJUST	EA	6.000
	0425- 5- 1	MANHOLE, ADJUST, UTILITIES	EA	27.000
	0425- 6-	VALVE BOXES, ADJUST	EA	37.000
	0430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	LF	1,037.000
	0430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD	LF	105.000
	0443- 70- 4	FRENCH DRAIN, 24"	LF	300.000
	0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	6,594.000
	0520- 5- 41	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	LF	251.000
	0520- 6-	SHOULDER GUTTER- CONCRETE	LF	54.000
	0520- 70-	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	SY	111.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	4,064.000
	0522- 4-	BUS SHELTER PAD- CONCRETE	SY	41.000
	0523- 1- 3	PATTERNED PAVEMENT, VEHICULAR AREAS- GREEN BIKE LANE	SY	1,083.000
	0526- 1- 1	PAVERS, ARCHITECTURAL, ROADWAY	SY	26.000
	0527- 2-	DETECTABLE WARNINGS	SF	661.000
	0536- 1- 0	GUARDRAIL -ROADWAY, GENERAL/LOW SPEED TL-2	LF	138.000
	0536- 7- 3	SPECIAL GUARDRAIL POST- ENCASED POST FOR SHALLOW MOUNT	EA	75.000
	0536- 8- 12	APPROACH TRANSITION CONNECTION TO RIGID BARRIER, FURNISH AND INSTALL, TL-2	EA	1.000
	0536- 73-	GUARDRAIL REMOVAL	LF	215.000
	0536- 85- 24	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	1.000
	0536- 85- 28	GUARDRAIL END TREATMENT- DOUBLE FACE TYPE II TRAILING ANCHORAGE	EA	2.000
	0548- 13-	RETAINING WALL SYSTEM, TEMPORARY, EXCLUDING BARRIER	SF	707.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	23,237.000
	0591- 1- 81	IRRIGATION SLEEVE, 6" DIAMETER, PROJECT NUMBER 436685-1-52-01	LF	467.000
	0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	9.155

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ALT	Item	Description	Unit	Quantity
	0710- 11-102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM	0.026
	0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	442.000
	0710- 11-124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	79.000
	0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	420.000
	0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.708
	0710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	7.000
	0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	86.000
	0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	9.334
	0710- 11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	1,881.000
	0710- 11-231	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SKIP, 6"	GM	0.182
	0710- 11-241	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	0.949
	0999- 16-	PARTNERING, DO NOT BID (43668515201)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (43668515201)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (43668515203)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (43668515204)	LS	1.000
	1050- 16-004	UTILITY PIPE,REMOVE & DISPOSE, 8-19.9"	LF	186.000
<b>Section 0003 Signing</b>				
	0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	38.000
	0700- 1- 50	SINGLE POST SIGN, RELOCATE	AS	20.000
	0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	18.000
	0700- 2- 11	MULTI- POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	2.000
	0700- 2- 12	MULTI- POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	1.000
	0700- 2- 50	MULTI- POST SIGN, GROUND MOUNT, RELOCATE	AS	4.000
	0700- 2- 60	MULTI- POST SIGN, REMOVE	AS	3.000
	0705- 10- 1	OBJECT MARKER, TYPE 1	EA	17.000
	0705- 10- 3	OBJECT MARKER, TYPE 3	EA	1.000
	0710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	68.000
	0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (43668515201)	LS	1.000
	0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	1,470.000
	0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	1,729.000
	0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	550.000
	0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	1.205
	0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	6.000
	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	86.000
	0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	422.000

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ALT	Item	Description	Unit	Quantity
	0711- 11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.499
	0711- 14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	150.000
	0711- 14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	28.000
	0711- 14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	28.000
	0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	6.155
	0711- 16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.047
	0711- 16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	0.095
	0711- 16-133	THERMOPLASTIC, STANDARD-OTHER SURFACES WHITE, SKIP, 12"-APPROACH TO TOLL PLAZA OR 3-9 LANE DROP	GM	0.050
	0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	3.100
	0711- 16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.228
	0713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.066
	0713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM	0.033
<b>Section 0004 Lighting</b>				
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	3.000
<b>Section 0005 Signalization</b>				
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1,266.000
	0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	2.000
	0632- 7- 6	SIGNAL CABLE, REMOVE- INTERSECTION	PI	2.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	60.000
	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	2.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	160.000
	0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	2.000
	0639- 3- 60	ELECTRICAL SERVICE DISCONNECT, REMOVE- POLE OR CABINET TO REMAIN	EA	2.000
	0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	2.000
	0641- 2- 70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	4.000
	0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	16.000
	0646- 1- 60	ALUMINUM SIGNALS POLE, REMOVE	EA	7.000
	0649- 21- 1	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 30'	EA	1.000
	0649- 21- 3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	4.000
	0649- 21- 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	1.000
	0649- 26- 5	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION- BOLT ON ATTACHMENT	EA	2.000
	0650- 1- 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	8.000
	0650- 1- 18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	4.000

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ALT	Item	Description	Unit	Quantity
	0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	13.000
	0653- 1- 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	3.000
	0660- 4- 11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	6.000
	0660- 4- 12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	6.000
	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	1.000
	0665- 1- 12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	EA	20.000
	0665- 1- 60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	2.000
	0670- 5-141	TRAFFIC CONTROLLER ASSEMBLY, FURNISH & INSTALL, MODEL 2070, 1 PREEMPTION	AS	2.000
	0670- 5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	2.000
	0670- 5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	2.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	2.000
	0700- 3-201	SIGN PANEL, 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	6.000
<b>Section 0006 Intelligent Transportation System</b>				
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	2.000