

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**STATE-FUNDED GRANT
SUPPLEMENTAL AGREEMENT**

SUPPLEMENTAL NO.

03

CONTRACT NO.

G1952

FPN

436379-1-54-01; 436379-1-54-02

Recipient: INDIAN RIVER COUNTY

This Supplemental Agreement ("Supplemental"), dated _____ arises from the desire to supplement the State-Funded Grant Agreement ("Agreement") entered into and executed on 5/22/2019 as identified above. All provisions in the Agreement and supplements, if any, remain in effect except as expressly modified by this Supplemental.

The parties agree that the Agreement is to be amended and supplemented as follows:

This Amendment extends the Term of the Agreement from June 30, 2022 to December 31, 2023.

Paragraph 3 of the Agreement is amended to read as follows:

This Agreement shall commence upon full execution by both Parties and the Recipient shall complete the Project on or before December 31, 2023.

In addition this amendment modifies the Exhibit A Deliverables

Reason for this Supplemental and supporting engineering and/or cost analysis:

The Agency issued Notice to Proceed on June 1, 2021 with a total Contract time of 750 days. A time extension is needed in order for the Agreement to avoid expiration prior to project completion.

The initial contract bid items/quantities changed as a result of the revision of the North Relief Canal Bridge.

**EXHIBIT A
DELIVERABLES**

**66th AVENUE ROWADWAY WIDENING FROM 49TH STREET TO 69TH STREET
INDIAN RIVER COUNTY, FL
FM# 436379-1-54-01, 436379-1-54-02**

	ITEM	ESTIMATED QTY	UNIT
	PHASE 1A: STA 294+93 TO STA 354+00		
	ROADWAY IMPROVEMENTS		
101-1	MOBILIZATION	1	LS
102-1	MAINTENANCE OF TRAFFIC	1	LS
*102-14	TRAFFIC CONTROL OFFICER (OFF DUTY)	500	PH
*IRC 1	FIELD OFFICE	1	LS
104-2	PREVENT, CONTROL & ABATEMENT OF EROSION AND WATER POLLUTION	1	LS
110-1-1	CLEARING AND GRUBBING	1	LS
110-7-1	MAILBOX F&I	3	EA
120-1	REGULAR EXCAVATION	5801	CY
120-4	SUBSOIL EXCAVATION	1000	CY
120-5	CHANNEL EXCAVATION (LAKE EXCAVATION)	35755	CY
120-6	EMBANKMENT, COMPACTED IN PLACE	89721	CY
121-70	FLOWABLE FILL	100	CY
160-4	TYPE B STABILIZATION SHOULDER (LBR -40)	82243	SY
285-7-09	OPTIONAL BASE , BASE GROUP 09	64018	SY
286-1	TURNOUT CONSTRUCTION	619	SY
286-2	TURNOUT CONSTRUCTION - ASPHALT	135	TN
334-1-13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C (1-3/4" THICK)	6162	TN
337-7-82	TYPE FC-9.5 ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, (PG 76-22, PMA) (1-1/4" THICK)	4401	TN
339-1	MISCELLANEOUS ASPHALT PAVEMENT	56	TN
350-3-1	PLAIN CEMENT CONCRETE 6"	743	SY
400-1-2	CONCRETE CLASS I ENDWALLS	18	CY
425-1-351	INLET, CURB, TYPE P-5, <10'	8	EA
425-1-361	INLET, CURB, TYPE P-6, <10'	13	EA
425-1-451	INLET, CURB, TYPE J-5, <10'	3	EA
IRC 3	(CONFLICT STRUCTURE)	2	EA
425-1-461	INLET, CURB, TYPE J-6 < 10'	4	EA
425-1-521	INLET, DITCH BOTTOM, TYPE C < 10'	8	EA
IRC 2	(CONTROL STRUCTURE)	3	EA
425-2-41	MANHOLES, P-7, < 10'	3	EA
425-2-71	MANHOLES, J-7, < 10'	1	EA
425-2-72	MANHOLES, J-7, > 10'	1	EA
425-2-73	MANHOLES, J-7, PARTIAL	1	EA
430-175-118	PIPE CULVERT. OPTION MATERIAL, ROUND, 18"S/CD (RCP)	2356	LF
430-175-118A	PIPE CULVERT. OPTION MATERIAL, ROUND, 18"S/CD (CAP)	140	LF
430-175-124	PIPE CULVERT. OPTION MATERIAL, ROUND, 24"S/CD (RCP)	1191	LF
430-175-124A	PIPE CULVERT. OPTION MATERIAL, ROUND, 24"S/CD (CAP)	60	LF
430-175-130	PIPE CULVERT. OPTION MATERIAL, ROUND, 30"S/CD (RCP)	1398	LF
430-175-130A	PIPE CULVERT. OPTION MATERIAL, ROUND, 30"S/CD (CAP)	20	LF
430-175-136	PIPE CULVERT. OPTION MATERIAL, ROUND, 36"S/CD (RCP)	799	LF
430-175-142	PIPE CULVERT. OPTION MATERIAL, ROUND, 42"S/CD (RCP)	600	LF
430-175-148	PIPE CULVERT. OPTION MATERIAL, ROUND, 48"S/CD (RCP)	392	LF
430-175-360	PIPE CULVERT. OPTION MATERIAL, ROUND, 48" X 76" S/CD (RCP)	197	LF
430-175-160	PIPE CULVERT. OPTION MATERIAL, ROUND, 60"S/CD (RCP)	80	LF
430-175-166	PIPE CULVERT OPTION MATERIAL, ROUND, 66" S/CD (RCP)	141	LF
430-175-175	PIPE CULVERT OPTION MATERIAL, ROUND, 72" S/CD (RCP)	64	LF
IRC 4	PIPE CULVERT, SCHEDULE 80 PVC, ROUND, 8"	31	LF
430-982-125	MITERED END SECTION, RCP, 18"	18	EA
440-1-10	UNDERDRAIN WITH SOCK FILTER (4" DIAMETER)	697	LF
440-1-10A	UNDERDRAIN WITH SOCK FILTER (8" DIAMETER)	257	LF
440-7-34	UNDERDRAIN WITH SOCK FILTER (10" DIAMETER)	27	LF
440-7-35	UNDERDRAIN WITH SOCK FILTER (12" DIAMETER)	48	LF
514-71-2	PLASTIC FILTER FABRIC STABILIZATION	351	SY
520-1-7	CONCRETE CURB AND GUTTER, TYPE E (MODIFIED)	368	LF
520-1-10	CONCRETE CURB AND GUTTER, TYPE F	24341	LF
522-2	CONCRETE SIDEWALK FIBER REINFORCED 6" THICK	5572	SY
*523-2	PATTERNED PAVEMENT, CONCRETE, NON-VEHICULAR AREAS	3160	SY
527-2	DETECTABLE WARNINGS	80	SF
530-3-3	RIPRAP, RUBBLE, BANK AND SHORE	1156	TN
536-1-1	GUARDRAIL, ROADWAY (INCLUDES PIPE RAIL FULL LENGTH)	1867	LF
536-8	GUARDRAIL- BRIDGE ANCHORING ASSEMBLY, FURNISH AND INSTALL	1	EA
536-73	GUARDRAIL REMOVAL	280	LF

(*) = Non-Participating Items
(**) = Converting to Lump Sum

**EXHIBIT A
DELIVERABLES**

**66th AVENUE ROWADWAY WIDENING FROM 49TH STREET TO 69TH STREET
INDIAN RIVER COUNTY, FL
FM# 436379-1-54-01, 436379-1-54-02**

	ITEM	ESTIMATED QTY'S	UNIT
536-82	GUARDRAIL ANCHORAGE- CONCRETE BARRIER WALL	3	EA
536-85-24	GUARDRAIL END ANCHORAGE ASSEMBLY- PARALLEL	3	EA
536-85-25	GUARDRAIL END ANCHORAGE ASSEMBLY- TYPE II	2	EA
IRC 5	FENCE, RELOCATE EXISTING	502	LF
550-10-222	FENCING TYPE B, 5.1-6.0' W/VINYL COATING	3325	LF
550-60-214	FENCE GATE, TYPE B SINGLE, 18.1-20.00' OPENING	6	EA
570-1-1	PERFORMANCE TURF – SOD 1 (BAHIA)	85449	SY
570-1-2	PERFORMANCE TURF - SOD 2 (ST. AUGUSTINE)	14680	SY
*COMBINED	LANDSCAPING	1	LS
*590-70	IRRIGATION SYSTEM (COMPLETE)	1	LS
700-1-5	SINGLE POST SIGN, RELOCATED	2	AS
700-1-60	SINGLE POST SIGN, REMOVED	20	AS
700-20-11	SINGLE POST SIGN, F&I, GROUND MOUNT, UP TO 12 SF	27	AS
700-20-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21-30 SF	4	AS
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS (BI-DIR, AMBER/AMBER)	880	EA
706-3A	RETRO-REFLECTIVE PAVEMENT MARKERS (BI-DIR, WHITE/RED)	445	EA
711-11-111	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	4.09	NM
711-11-112	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8"	0.513	NM
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	683	LF
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	715	LF
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	136	LF
711-11-131	THERMOPLASTIC, STANDARD, WHITE, SKIP, 6", 10-30 SKIP	2.132	GM
711-11-131A	THERMOPLASTIC, STANDARD, WHITE, SKIP, 6", 6-10 SKIP	2559	LF
711-14-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	28	EA
711-14-170A	THERMOPLASTIC, STANDARD, WHITE, ARROW, U-TURN	23	EA
711-11-211	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	3.95	NM
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	202	LF
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, DOTTED/GUIDELINE/6-10 GAP EXTENSION, 6"	1764	LF
*1050-11-224	12" PVC REUSE WATER MAIN	670	LF
*1050-11-424	12" DIP REUSE WATER MAIN	90	LF
*1080 1125	2" AIR RELEASE VALVE	1	EA
*IRC 6	CAP AND GROUT EXISTING 12" REUSE MAIN	294	LF
*IRC 7	REMOVE AND DIPOSE OF EXISTING 12" AREAL REUSE MAIN AND PILINGS	1	LS
*IRC 8	17" X 28" METER BOX	2	EA
*1080-11-201	4" MECHANICAL JOINT GATE VALVE	2	EA
*1080-11-403	12"X12" TAPPING SLEEVE AND VALVE	2	EA
*1080-11-404	12" MECHANICAL JOINT GATE VALVE	2	EA
*IRC 9	FITTINGS	1	TN
0630 2 11A	2 - 2" PVC SIGNAL CONDUIT W/ 96-FIBER CABLE (50' COIL IN BOXES) OPEN TRENCH	5562	LF
0630 2 12A	2 - 2" PVC SIGNAL CONDUIT W/ 96-FIBER CABLE (50' COIL IN BOXES) DIRECTIONAL DRILL	209	LF
0633 1 123	96-FIBER CABLE IN BRIDGE CONDUIT	129	LF
0635 2 12	17" X 30" PULL BOX FOR FIBER OPTIC CABLE	9	EA
0635 2 13	30" X 48" SPLICE BOX FOR FIBER OPTIC	8	EA
*580-1-1	LANDSCAPE COMPLETE (SMALL PLANTS)	1	LS
*580-1-2	LANDSCAPE COMPLETE (LARGE PLANTS)	1	LS
*590 70	IRRIGATION SYSTEM, COMPLETE	1	LS
	<i>BRIDGE IMPROVEMENTS</i>		
	<i>53TH STREET OVER LATERAL "A" CANAL</i>		
110-3	DEMOLITION AND REMOVAL EXISTING BRIDGE	1	LS
	<i>SUPERSTRUCTURE</i>		
400-2-4	CLASS II CONCRETE FOR CLOSURE POURS BETWEEN DECK UNITS	15	CY
415-1-4	REINFORCING STEEL	990	LBS
12450-88-18A	PRESTRESSED PRECAST DECK UNITS (18" X 4'-3" X 36'-0") (12 REQUIRED)	432	LF
12450-88-18B	PRESTRESSED PRECAST DECK UNITS (18" X 4'-6" X 36'-0") (2 REQUIRED)	72	LF
460-70-2	ALUMINUM BICYCLE BULLET BARRIER RAILING	74	LF
521-5-1	CONCRETE TRAFFIC RAILING BARRIER- (32" F SHAPE)	37	LF
521-5-4	CONCRETE TRAFFIC RAILING BARRIER- (32" VERTICAL SHAPE)	37	LF
521-72-3	SHOULDER CONCRETE BARRIER WALL (INDEX 410- CANTALEVER WALL)	100	LF
	<i>SUBSTRUCTURE</i>		
400-2-5	CLASS II CONCRETE FOR PILE CAPS	76	CY
415-1-5	REINFORCING STEEL	12300	LBS
455-133-2	PRESTRESSED PILE 18" SQUARE X 70'-0" MINIMUM (TEST PILE- ABUTEMENT) (2 EA)	140	LF
455-34-2	PRESTRESSED PILE 18" SQUARE X 55'-0" MINIMUM (TEST PILE- ABUTEMENT) (19 EA)	1045	LF

(*) = Non-Participating Items
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**EXHIBIT A
DELIVERABLES**

**66th AVENUE ROWADWAY WIDENING FROM 49TH STREET TO 69TH STREET
INDIAN RIVER COUNTY, FL
FM# 436379-1-54-01, 436379-1-54-02**

	ITEM	ESTIMATED QTYS	UNIT
455-34-2A	PRESTRESSED PILE 14" SQUARE X 50'-0" MINIMUM (TEST PILE- ABUTEMENT) (12 EA)	600	LF
455-137	PILE DYNAMIC LOAD TESTING	1	LS
455-14-5	8" X 8'-0 X 12'-0" SHEET WALL (26 EA)	312	LF
	<i>SIDEWALKS</i>		
400-2-4A	CLASS II CONCRETE	8	CY
415-1-4A	REINFORCING STEEL	343	LBS
339-1	MISCELLANEOUS ASPHALT	8	TN
400-2-10	CLASS II CONCRETE	124	CY
415-1-9	REINFORCING STEEL	19570	LBS
530-3-3	ROCK RUBBLE (CANAL EXCAVATION AS REQUIRED SHALL BE INCLUDED IN THE COST ROCK RUBBLE)	1232	TN
715-2117	2" PVC CONDUIT	152	LF

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**EXHIBIT A
DELIVERABLES**

66th AVENUE ROWADWAY WIDENING FROM 49TH STREET TO 69TH STREET
INDIAN RIVER COUNTY, FL
FM# 436379-1-54-01, 436379-1-54-02

	ITEM	ESTIMATED QTYS	UNIT
	<i>66TH AVENUE OVER "NORTH RELIEF" CANAL</i>		
110-3	DEMOLITION AND REMOVAL OF EXISTING BRIDGE	1	LS
	<i>SUPERSTRUCTURE</i>		
**400-2-4	CLASS II CONCRETE FOR CLOSURE POURS BETWEEN DECK UNITS	59	CY
**415-1-4	REINFORCING STEEL	3546	LBS
**12450-88-15A	PRESTRESSED PRECAST DECK UNITS (15" X 4'-5" X 14'-0") (48 REQUIRED)	672	LF
**12450-88-15B	PRESTRESSED PRECAST DECK UNITS (15" X 4'-8" X 14'-0") (4 REQUIRED)	56	LF
**12450-88-15C	PRESTRESSED PRECAST DECK UNITS (18" X 4'-5" X 34'-0") (24 REQUIRED)	816	LF
**12450-88-15D	PRESTRESSED PRECAST DECK UNITS (18" X 4'-8" X 34'-0") (2 REQUIRED)	68	LF
**460-70-2	ALUMINUM BICYCLE BULLET BARRIER RAILING	250	LF
**521-5-1	CONCRETE TRAFFIC RAILING, BARRIER - (32" F SHAPE)	125	LF
**521-5-4	CONCRETE TRAFFIC RAILING, BARRIER - (32" VERTICAL SHAPE)	125	LF
**460-70-3	CONCRETE TRAFFIC RAILING BARRIER (SHOULDER) W/ SPREAD FOOTING (INDEX 410)	75.33	LF
	<i>SUBSTRUCTURE</i>		
**400-2-5	CLASS II CONCRETE FOR PILE CAPS	216	CY
**415-1-5	REINFORCING STEEL	40298	LBS
**455-34-3	PRESTRESSED PILE 18" SQUARE X 75'-0" MINIMUM (TEST PILE- ABUTMENT) (1 EA)	75	LF
**455-34-3A	PRESTRESSED PILE 18" SQUARE X 60'-0" MINIMUM (ABUTMENT) (33 EA)	1980	LF
**455-34-3B	PRESTRESSED PILE 14" SQUARE X 30'-0" MINIMUM (WING BENT) (12 EA)	360	LF
**455-34-3C	PRESTRESSED PILE 18" SQUARE X 100'-0" MINIMUM (TEST PILE- INTERMEDIATE BENT) (1 EA)	100	LF
**455-34-3D	PRESTRESSED PILE 18" SQUARE X 60'-0" MINIMUM (DEBRIS PILE- INTERMEDIATE BENT)	120	LF
**455-34-3E	PRESTRESSED PILE 18" SQUARE X 85'-0" MINIMUM (TEST PILE- INTERMEDIATE BENT) (41 EA)	3485	LF
**455-13-3	8" X 8'-0 X 14'-0" SHEET WALL	560	LF
	<i>SIDEWALKS AND MEDIANS</i>		
**400-2-4A	CLASS II CONCRETE	164	CY
**415-1-4A	REINFORCING STEEL	7252	LBS
	<i>APPROACH SLABS</i>		
**339-1	MISCELLANEOUS ASPHALT	524	SF
**400-2-10	CLASS II CONCRETE	260	CY
**415-1-9	REINFORCING STEEL	57030	LBS
**530-3-3	(ROCK RUBBLE) (CANAL EXCAVATION AS REQUIRED SHALL BE INCLUDED IN THE COST OF THE ROCK RUBBLE)	1800	TN
**715-2117	2" PVC CONDUIT	630	LF
	<i>57TH STREET OVER LATERAL "A" CANAL</i>		
110-3	DEMOLITION AND REMOVAL OF EXISTING BRIDGE	1	LS
	<i>SUPERSTRUCTURE</i>		
460-70-2	ALUMINUM BICYCLE BULLETE BARRIER RAILING	41	LF
521-5-1	CONCRETE TRAFFIC RAILING BARRIER- (32" F SHAPE)	41	LF
521-5-4	CONCRETE TRAFFIC RAILING BARRIER- (32" VERTICAL SHAPE)	41	LF
521-72-3	SHOULDER CONCRETE BARRIER WALL (INDEX 410- CANTALEVER WALL)	48	LF
	<i>SIDEWALKS</i>		
400-2-4	CLASS II CONCRETE	6	CY
415-1-9A	REINFORCING STEEL	2553	LBS
	<i>APPROACH SLABS</i>		
400-2-10	CLASS II CONCRETE	58	CY
415-1-9	REINFORCING STEEL	11380	LBS
715-2-117	4" PVC CONDUIT	156	LF

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**EXHIBIT A
DELIVERABLES**

66th AVENUE ROWADWAY WIDENING FROM 49TH STREET TO 69TH STREET
INDIAN RIVER COUNTY, FL
FM# 436379-1-54-01, 436379-1-54-02

	ITEM	ESTIMATED QTYS	UNIT
	<i>PHASE 1B STA 354+00 TO STA 444+57.04</i>		
101-1	MOBILIZATION / DEMOBILIZATION	1	LS
102-1	MAINTENANCE OF TRAFFIC	1	LS
*102-14	TRAFFIC CONTROL OFFICER	500	PH
104-2	PREVENT, CONTROL & ABATEMENT OF EROSION AND WATER POLLUTION	1	LS
110-1-1	CLEARING AND GRUBBING	86	AC
110-7-1	MAILBOX F&I	40	EA
120-1	REGULAR EXCAVATION	81595	CY
120-4	SUBSOIL EXCAVATION	3198	CY
120-5	CHANNEL EXCAVATION	890	CY
120-6	EMBANKMENT	128124	CY
160-4	TYPE B STABILIZATION	123552	SY
285-709	OPTIONAL BASE (BASE GROUP 9)	108050	SY
286-1	TURNOUT CONSTRUCTION	2320	SY
327-70-01	MILLING EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)	118	SY
334-1-13	SUPERPAVE ASPHALTIC CONCRETE, (SP 12.5) (TRAFFIC C) (1.75")	11959	TN
337-7-82	TYPE FC-9.5 ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, (PG 76-22, PMA) (1-1/4" THICK)	5980	TN
339-1	MISCELLANEOUS APSHALT PAVEMENT	34	TN
400-1-2	CLASS I CONCRETE (ENDWALL)	13	CY
400-2-2	CLASS II CONCRETE (ENDWALL)	126	CY
400-4-1	REINFORCED CONCRETE BOX CULVERT (12' X 10')	72	LF
415-1-1	REINFORCING STEEL (ROADWAY)	6510	LB
425-1-351	INLET, CURB, TYPE P-5, <10'	32	EA
425-1-361	INLET, CURB, TYPE P-6, <10'	20	EA
425-1-451	INLET, CURB, TYPE J-5, <10'	6	EA
425-1-452	INLET, CURB, TYPE J-5, >10'	4	EA
425-1-452A	INLETS (CURB)(TYPE J-5) (>10') (CONTROL STRUCTURE W/ INTERNAL WEIR)	1	EA
425-1-461	INLET, CURB, TYPE J-6 < 10'	11	EA
425-1-462	INLET, CURB, TYPE J-6 > 10'	1	EA
425-1-521	INLET, DITCH BOTTOM, TYPE C < 10'	18	EA
425-1-521A	INLET, DITCH BOTTOM, TYPE C < 10' (CONTROL STRUCTURE W/ EXTERNAL SKIMMER)	3	EA
425-1-531	INLETS (DT BOT) (TYPE C MOD.) (<10') (BACK OF SWK INLET)	2	EA
425-1-541	INLETS, DITCH BOTTOM, TYPE D < 10'	2	EA
425-1-541A	INLETS (DITCH BOTTOM), TYPE D < 10' (CONTROL STRUCTURE W/ EXTERNAL SKIMMER)	5	EA
425-1-543	INLETS (DT BOT) (TYPE D) (<10') (W/ J BOTTOM)	2	EA
425-1-559	INLETS (DITCH BOTTOM) (TYPE E) (>10')(CONTROL STRUCTURE W/ INTERNAL WEIR)	2	EA
425-1-581	INLETS (DT BOT) (TYPE H) (<10') (CONTROL STRUCTURE W/ INTERNAL WEIR)	1	EA
425-1-713	INLETS (GUTTER) (VALLEY) (J-BOTTOM)	1	EA
425-1-910	INLETS (GUTTER)(CLOSED FLUME)	1	EA
425-2-61	MANHOLES, (P-8)(<10')	3	EA
425-2-71	MANHOLES (J-7) (<10') (CONFLICT STRUCTURE)	1	EA
425-2-72	MANHOLES, (J-7) (>10')	1	EA
430-175-115	PIPE CULVERT (RCP) (ROUND) (15"SS)	433	LF
430-175-118	PIPE CULVERT (RCP) (ROUND) (18"SS)	6981	LF
430-175-118A	PIPE CULVERT (CAP) (ROUND) (18"SS)	120	LF
430-175-124	PIPE CULVERT (RCP) (ROUND) (24"SS)	2387	LF
430-175-124A	PIPE CULVERT (CAP) (ROUND) (24"SS)	112	LF
430-175-130	PIPE CULVERT (RCP) (ROUND) (30"SS)	3419	LF
430-175-130A	PIPE CULVERT (CAP) (ROUND) (30" SS)	62	LF
430-175-136	PIPE CULVERT (RCP) (ROUND) (36"SS)	2640	LF
430-175-136A	PIPE CULVERT (CAP) (ROUND) (36"SS)	40	LF
430-175-142	PIPE CULVERT (RCP) (ROUND) (42"SS)	115	LF
430-175-142A	PIPE CULVERT (CAP) (ROUND) (42"SS)	40	LF
430-175-148	PIPE CULVERT (RCP) (ROUND) (48"SS)	240	LF
430-175-148A	PIPE CULVERT (CAP) (ROUND) (48"SS)	20	LF
430-175-160	PIPE CULVERT (RCP) (ROUND) (60"SS)	1470	LF
430-175-166	PIPE CULVERT (RCP) (ROUND) (66"SS)	408	LF
430-175-215	PIPE CULVERT (ERCP) (12" X 18" SS)	60	LF
430-175-218	PIPE CULVERT (ERCP) (14" X 23" SS)	239	LF
430-175-236	PIPE CULVERT (ERCP) (29" X 45" SS)	374	LF
430-964-3	PVC PIPE (8") (SCH 80)	1678	LF
430-982-123	MITERED END SECTION (CONC.) (15" CD)	7	EA
430-982-125	MITERED END SECTION (CONC.) (18" CD)	15	EA
430-982-623	MITERED END SECTION (CONC.) (12"X18" CD)	2	EA

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**EXHIBIT A
DELIVERABLES**

**66th AVENUE ROWADWAY WIDENING FROM 49TH STREET TO 69TH STREET
INDIAN RIVER COUNTY, FL
FM# 436379-1-54-01, 436379-1-54-02**

	ITEM	ESTIMATED QTYs	UNIT
430-982-625	MITERED END SECTION (CONC.) (14"X23" CD)	7	EA
440-1-20	UNDERDRAIN	815	LF
440-1-60	ROCK DRAIN	640	LF
520-1-10	CONCRETE CURB & GUTTER (TYPE F)	26742	LF
520-1-11	CONCRETE CURB & GUTTER (TYPE F) (MOD.)	14915	LF
522-2	CONCRETE SIDEWALK, 6" THICK	13897	SY
527-2	DETECTABLE WARNINGS	187	SF
530-3-4	RIPRAP, RUBBLE (F&I) (DITCH LINING)	2163	TN
536-1-1	GUARDRAIL (ROADWAY)	581	LF
536-85-22	GUARDRAIL END ANCHORAGE ASSEMBLY (MELT)	2	EA
536-85-25	GUARDRAIL END ANCHORAGE ASSEMBLY (TYPE 11)	2	EA
536-85-30	GUARDRAIL END ANCHORAGE ASSEMBLY (ET-2000)	4	EA
550-10-110A	FENCING (TYPE A) (5.0') (STANDARD)	256	LF
550-10-110B	FENCING (TYPE A) (4.0') (STANDARD)	328	LF
550-10-220	FENCING (TYPE B) (6.0') (STANDARD)	661	LF
550-10-222	FENCING (TYPE B) (6.0') (WITH VINYL COATING)	4563	LF
550-10-410A	FENCING (WOOD) (4.0') (3 RAIL SPLIT RAIL)	267	LF
550-10-410B	FENCING (WOOD) (5.0') (3 RAIL SPLIT RAIL)	696	LF
550-60-213	FENCE GATE (TYPE B) (SINGLE) (16.0' OPENING)	1	EA
550-60-225	FENCE GATE (TYPE B) (DOUBLE) (24.0' OPENING)	4	EA
550-60-912	FENCE GATE (WOOD) (SINGLE) (10.0' OPENING)	1	EA
570-1-2A	PERFORMANCE TURF (SOD) (BAHIA)	175168	SY
*COMBINED	LANDSCAPING	1	LS
*590-70	IRRIGATION SYSTEM	1	LS
630-2-11A	CONDUIT (OPEN TRENCH) (F & I) (2")	8100	LF
630-2-11B	CONDUIT (OPEN TRENCH) (F) (2")	8100	LF
633-1-123	FIBER OPTIC CABLE (F & I) (UNDERGROUND) (49-96 FIBERS)	9100	LF
633-2-31	FIBER OPTIC CONNECTION (SPLICE)	1728	EA
633-2-32	FIBER OPTIC CONNECTION (TERMINATION)	96	EA
635-2-12	PULL AND SPLICE BOX (F&I) (17" X 30") (PULL BOX)	16	EA
635-2-13	PULL AND SPLICE BOX (F&I) (30" X 48") (SLACK BOX)	3	EA
630-2-11	CONDUIT (SIGNAL) (F & I) (OPEN TRENCH)	370	LF
630-1-12	CONDUIT (SIGNAL) (F & I) (DIRECTIONAL BORE)	3520	LF
632-7-1	CABLE (SIGNAL) (F & I)	2	PI
632-7-6	CABLE (SIGNAL) (REMOVE) (INTERSECTION)	1	PI
635-2-11	PULL BOX (F & I) (TRAFFIC SIGNAL)	36	EA
639-1-111	ELECTRICAL POWER SERVICE (SIGNALS) (ABOVE GROUND) (METER PURCHASED BY CONTRACTOR)	2	AS
639-1-610	ELECTRICAL POWER SERVICE (SIGNALS) (ABOVE GROUND) (REMOVE)	1	AS
639-2-1	ELECTRICAL SERVICE WIRE (F & I)	2	LS
639-3-11	ELECTRICAL SERVICE DISCONNECT (F & I) (POLE MOUNTED)	2	EA
641-2-12	PRESTRESSED CONC. POLE (F & I) (TYPE P-11 SERVICE POLE)	2	EA
641-2-80	PRESTRESSED CONC. POLE (COMPLETE POLE REMOVAL)	2	EA
646-1-11	ALUMINUM SIGNAL POLES (PEDESTAL)	10	EA
649-31-106	MAST ARM (F & I) (WIND SPEED 150 W/O BACKPLATES) (W/ LUMINAIRE) (ARM LENGTH 36')	1	EA
649-31-107	MAST ARM (F & I) (WIND SPEED 150 W/O BACKPLATES) (W/ LUMINAIRE) (ARM LENGTH 46')	1	EA
649-31-108	MAST ARM (F & I) (WIND SPEED 150 W/O BACKPLATES) (W/ LUMINAIRE) (ARM LENGTH 60')	3	EA
649-31-109	MAST ARM (F & I) (WIND SPEED 150 W/O BACKPLATES) (W/ LUMINAIRE) (ARM LENGTH 70.5')	3	EA
650-1-14	TRAFFIC SIGNAL (F & I) (3-SECTION) (1-WAY) (STANDARD) (POLYCARBONATE)	12	AS
650-1-16	TRAFFIC SIGNAL (F & I) (ALUMINUM) (4-SECTION) (1-WAY)	4	AS
650-1-18	TRAFFIC SIGNAL (F & I) (5-SECTION) (1-WAY) (STANDARD) (POLYCARBONATE)	4	AS
653-1-11	PEDESTRIAN SIGNAL (F & I) (LED-COUNTDOWN) (1-WAY)	12	AS
660-4-11	VEHICLE DETECTION SYSTEM (F & I) (VIDEO) (CABINET EQUIPMENT)	2	EA
660-4-12	VEHICLE DETECTION SYSTEM (F & I) (VIDEO) (ABOVE GROUND EQUIPMENT)	8	EA
665-1-11	PEDESTRIAN DETECTOR (F & I) (POLE/PEDESTAL MOUNTED)	12	EA
670-5-111	TRAFFIC CONTROLLER ASSEMBLY (F & I) (NEMA) (TYPE 5) (ONE PREEMPTION PLAN)	2	AS
670-5-600	TRAFFIC CONTROLLER ASSEMBLY (REMOVE - CONTROLLER WITH CABINET)	1	AS
682-1-133	ITS CCTV CAMERA (F & I) (DOME ENCLOSURE) (NON-PRESSURIZED) (IP) (HD)	4	EA
684-1-1	MANAGED FIELD ETHERNET SWITCH (F & I)	2	EA
685-1-13	UNITERUPTABLE POWER SUPPLY (F & I) (LINE INTERACTIVE)	2	EA
700-5-22	INTERNALLY ILLUMINATED SIGN (F & I) (OVERHEAD MOUNT, 12-18 SF)	8	EA
700-1-11	SINGLE POST SIGN (F & I) (LESS THAN 12SF)	75	AS
700-2-12	MULTI-POST SIGN (F & I) (LESS THAN 12 - 20 SF)	4	AS
705-10-4	OBJECT MARKER, TYPE 4	12	EA
706-3	RETRO-REFLECTIVE, STD, WHITE, SOLID, 6"	1811	EA

(*) = Non-Participating Items
(**) = Converting to Lump Sum

**EXHIBIT A
DELIVERABLES**

**66th AVENUE ROWADWAY WIDENING FROM 49TH STREET TO 69TH STREET
INDIAN RIVER COUNTY, FL
FM# 436379-1-54-01, 436379-1-54-02**

	ITEM	ESTIMATED QTYS	UNIT
711-11-121	SOLID TRAFFIC STRIP (6" WHITE) THERMOPLASTIC	35468	LF
711-11-122	SOLID TRAFFIC STRIP (8" WHITE) THERMOPLASTIC	4501	LF
711-11-123	SOLID TRAFFIC STRIP (12" WHITE) THERMOPLASTIC	1567	LF
711-11-124	SOLID TRAFFIC STRIP (18" WHITE) THERMOPLASTIC	1230	LF
711-11-125	SOLID TRAFFIC STRIP (24" WHITE) THERMOPLASTIC	470	LF
711-11-131	THERMOPLASTIC, STD, WHITE, SKIP (10'-30'), 6"	14849	LF
711-11-141	THERMOPLASTIC, STD, WHITE, SKIP (2'-4' / 6'-10'), 6"	4354	LF
711-11-160	THERMOPLASTIC, ST, WHITE, MESSAGE	45	EA
711-11-170	THERMOPLASTIC, ST, WHITE, ARROW	111	EA
711-11-221	THERMOPLASTIC, STD, YELLOW, SOLID 6"	42171	LF
711-11-224	SOLID TRAFFIC STRIPE (18" YELLOW) THERMOPLASTIC	1720	LF
711-11-241	THERMOPLASTIC, STD, YELLOW, SKIP (2'-4' / 6'-10'), 6"	2471	LF
715-1-11	LIGHTING CONDUCTORS (F & I) (INSULATED, NO. 10 OR<)	3735	LF
*570-1-2B	PERFORMANCE TURF (SOD) (ST AUGUSTINE 'FLORATAM)	16355	SY
*580-1-1	LANDSCAPE (SMALL PLANTS)	1	LS
*580-1-2	LANDSCAPE (LARGE PLANTS)	1	LS
*580-12-10	FLORA-MULCH (3" DEPTH)	717	CY
*162-1-3	PREPARED SOIL LAYER (SPECIAL DEPTH)	1425	CY
*590-70	IRRIGATION COMPLETE	1	LS
	<i>BRIDGE IMPROVEMENTS</i>		
	<i>61ST STREET OVER LATERAL "A" CANAL</i>		
110-3	REMOVAL OF EXISTING STRUCTURES/ BRIDGE	960	SF
400-2-4	CONCRETE CLASS II, SUPERSTRUCTURE	9	CY
400-2-5	CONCRETE CLASS II, SUBSTRUCTURE	136	CY
400-2-10	CONCRETE CLASS II, APPROACH SLABS	99	CY
400-4-4	CONCRETE CLASS IV, SUPERSTRUCTURE	23	CY
400-148	PLAIN NEOPRENE BEARING PADS	2	CF
415-1-4	REINFORCING STEEL - BRIDGE SUPERSTRUCTURE	7390	LB
415-1-5	REINFORCING STEEL - BRIDGE SUBSTRUCTURE	9520	LB
415-1-9	REINFORCING STEEL - APPROACH SLAB	20400	LB
450-3-14	PRESTRESSED SLAB UNITS, WIDTH 48", THICKNESS 18"	40	LF
450-3-24	PRESTRESSED SLAB UNITS, WIDTH 60", THICKNESS 18"	515	LF
455-34-3	PRESTRESSED CONCRETE PILING, 18" SQ	1560	LF
455-143-3	TEST PILES-PRESTRESSED CONCRETE 18" SQ	150	LF
458-1-11	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F & I, POURED JOINT WITH BACKER ROD	138	LF
521-5-1	CONCRETE TRAFFIC RAILING- BRIDGE, 32" F-SHAPE	82	LF
521-5-5	CONCRETE TRAFFIC RAILING- BRIDGE, 42" VERTICAL FACE	78	LF
	<i>65TH STREET OVER LATERAL "A" CANAL</i>		
110-3	REMOVAL OF EXISTING STRUCTURE/ BRIDGE	960	SF
400-2-4	CONCRETE CLASS II, SUPERSTRUCTURE	9	CY
400-2-5	CONCRETE CLASS II, SUBSTRUCTURE	136	CY
400-2-10	CONCRETE CLASS II, APPROACH SLABS	99	CY
400-4-4	CONCRETE CLASS IV, SUPERSTRUCTURE	23	CY
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455-143-3	TEST PILES-PRESTRESSED CONCRETE 18" SQ	150	LF
458-1-11	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F & I, POURED JOINT WITH BACKER ROD	138	LF
521-5-1	CONCRETE TRAFFIC RAILING- BRIDGE, 32" F-SHAPE	82	LF
521-5-5	CONCRETE TRAFFIC RAILING- BRIDGE, 42" VERTICAL FACE	78	LF
*999-1	CONSTRUCTION LAYOUT/ RECORD/ AS-BUILT DRAWINGS (BY REGISTERED SURVEYOR)	1	LS

CEI CLASSIFICATIONS

SR. PROJECT ENGINEER
PROJECT ADMINISTRATOR
SR. INSPECTOR
INSPECTOR
INSPECTOR AIDE
CONTRACT SUPPORT SPECIALIST (CSS)
QUALITY CONTROL (QC) MANAGER

(*) = Non-Participating Items
(**) = Converting to Lump Sum

**EXHIBIT A
DELIVERABLES**

**66th AVENUE ROWADWAY WIDENING FROM 49TH STREET TO 69TH STREET
INDIAN RIVER COUNTY, FL
F M # 4 3 6 3 7 9 - 1 - 5 4 - 0 1 , 4 3 6 3 7 9 - 1 - 5 4 - 0 2**

	ITEM	ESTIMATED QTYS	UNIT
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EARTHWORK CONSTRUCTION INSPECTOR LEVEL 1
EARTHWORK CONSTRUCTION INSPECTOR LEVEL 2
ASPHALT PAVING TECHNICIAN LEVEL 1
ASPHALT PAVING TECHNICIAN LEVEL 2

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