

ENGINEERS COST ESTIMATE
FPL Indian River Service Center
Project Description: 98th Avenue and 16th Street Improvements
Date: 10/22/2020

| Pay Item Number | Pay Item Description | FPL Funds | | | | Indian River County Funds | | | | Total Quantity | Total Engineer's Cost |
|-----------------|--|-----------|------|----------------------|-------------------------------|---------------------------|------|----------------------|--------------------------|-------------------------------|------------------------|
| | | Quantity | Unit | Engineer's Unit Cost | Engineer's Subtotal Cost | Quantity | Unit | Engineer's Unit Cost | Engineer's Subtotal Cost | | |
| Roadway | | | | | | | | | | | |
| 101-1 | MOBILIZATION/ DEMOBILIZATION | 1 | LS | \$ 100,000.00 | \$ 100,000.00 | | | | | 1 | \$ 100,000.00 |
| 102-1 | MAINTENANCE OF TRAFFIC | 1 | LS | \$ 50,000.00 | \$ 50,000.00 | | | | | 1 | \$ 50,000.00 |
| 104-2 | PREVENTION, CONTROL & ABATEMENT OF EROSION AND WATER POLLUTION | 1 | LS | \$ 15,000.00 | \$ 15,000.00 | | | | | 1 | \$ 15,000.00 |
| 108-1 | CONSTRUCTION LAYOUT/ RECORD DRAWINGS | 1 | LS | \$ 15,000.00 | \$ 15,000.00 | | | | | 1 | \$ 15,000.00 |
| 110-1-1 | CLEARING & GRUBBING | 9.2 | AC | \$ 13,000.00 | \$ 119,600.00 | | | | | 9.2 | \$ 119,600.00 |
| 120-1 | REGULAR EXCAVATION | 5202 | CY | \$ 8.00 | \$ 41,616.00 | | | | | 5202 | \$ 41,616.00 |
| 120-6 | EMBANKMENT | 4813 | CY | \$ 8.00 | \$ 38,504.00 | | | | | 4813 | \$ 38,504.00 |
| 160-4 | TYPE "B" STABILIZATION | 14080 | SY | \$ 3.50 | \$ 49,280.00 | | | | | 14080 | \$ 49,280.00 |
| 210-3 | FULL DEPTH BASE RECLAMATION (DEPTH TBD) | 560 | SY | \$ 3.00 | \$ 1,680.00 | 8095 | SY | \$ 3.00 | \$ 24,285.00 | 8655 | \$ 25,965.00 |
| 285-709 | CEMENTED COQUINA, OPTIONAL BASE GROUP 9 (10") | 11725 | SY | \$ 17.00 | \$ 199,325.00 | | | | | 11725 | \$ 199,325.00 |
| 334-1-13A | SUPERPAVE ASPHALT CONCRETE (SP-9.5) (TRAFFIC C) (1") | 804 | TN | \$ 130.00 | \$ 104,520.00 | 445 | TN | \$ 130.00 | \$ 57,850.00 | 1249 | \$ 162,370.00 |
| 334-1-13B | SUPERPAVE ASPHALT CONCRETE (SP-12.5) (TRAFFIC C) (1.5") | 1206 | TN | \$ 130.00 | \$ 156,780.00 | 668 | TN | \$ 130.00 | \$ 86,840.00 | 1874 | \$ 243,620.00 |
| 334-1-13C | SUPERPAVE ASPHALT CONCRETE (SP-12.5) (TRAFFIC C) (OVERBUILD) | | | | \$ - | 868 | TN | \$ 130.00 | \$ 112,840.00 | 868 | \$ 112,840.00 |
| 400-1-2 | CLASS I CONCRETE (ENDWALL) | 6.77 | CY | \$ 1,280.00 | \$ 8,665.60 | | | | | 6.77 | \$ 8,665.60 |
| 425-1-523 | INLET (DBI) (TYPE C) (J-BOTTOM) (<10') | 1 | EA | \$ 5,800.00 | \$ 5,800.00 | | | | | 1 | \$ 5,800.00 |
| 425-1-541 | INLET (DBI) (TYPE D) (<10') | 12 | EA | \$ 3,500.00 | \$ 42,000.00 | | | | | 12 | \$ 42,000.00 |
| 425-1-551 | INLET (DBI) (TYPE E) (<10') | 1 | EA | \$ 4,500.00 | \$ 4,500.00 | | | | | 1 | \$ 4,500.00 |
| 425-2-41 | MANHOLE (P-7) (< 10') | 1 | EA | \$ 4,000.00 | \$ 4,000.00 | | | | | 1 | \$ 4,000.00 |
| 425-2-61 | MANHOLE (P-8) (< 10') | 1 | EA | \$ 4,000.00 | \$ 4,000.00 | | | | | 1 | \$ 4,000.00 |
| 425-6 | VALVE BOX (ADJUST) | 8 | EA | \$ 450.00 | \$ 3,600.00 | | | | | 8 | \$ 3,600.00 |
| 430-175-112 | CONCRETE PIPE CULVERT (12") (S/CD) (CL III) | 162 | LF | \$ 40.00 | \$ 6,480.00 | | | | | 162 | \$ 6,480.00 |
| 430-175-118 | CONCRETE PIPE CULVERT (18") (S/CD) (CL III) | 892 | LF | \$ 55.00 | \$ 49,060.00 | | | | | 892 | \$ 49,060.00 |
| 430-175-118B | CORRUGATED ALUMINUM PIPE CULVERT (18") (S/CD) | 60 | LF | \$ 55.00 | \$ 3,300.00 | | | | | 60 | \$ 3,300.00 |
| 430-175-124 | CONCRETE PIPE CULVERT (24") (S/CD) (CL III) | 1334 | LF | \$ 60.00 | \$ 80,040.00 | | | | | 1334 | \$ 80,040.00 |
| 430-175-124B | CORRUGATED ALUMINUM PIPE CULVERT (24") (S/CD) | 20 | LF | \$ 60.00 | \$ 1,200.00 | | | | | 20 | \$ 1,200.00 |
| 430-175-136 | CONCRETE PIPE CULVERT (36") (S/CD) (CL III) | 64 | LF | \$ 80.00 | \$ 5,120.00 | | | | | 64 | \$ 5,120.00 |
| 430-175-136B | CORRUGATED ALUMINUM PIPE CULVERT (36") (S/CD) | 20 | LF | \$ 80.00 | \$ 1,600.00 | | | | | 20 | \$ 1,600.00 |
| 430-982-125 | MITERED END SECTION (ROUND) (18") (CD) | 3 | EA | \$ 1,500.00 | \$ 4,500.00 | | | | | 3 | \$ 4,500.00 |
| 430-982-129 | MITERED END SECTION (ROUND) (24") (CD) | 1 | EA | \$ 1,600.00 | \$ 1,600.00 | | | | | 1 | \$ 1,600.00 |
| 520-1-7 | TYPE "F" CURB & GUTTER | 1435 | LF | \$ 17.00 | \$ 24,395.00 | | | | | 1435 | \$ 24,395.00 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS (6" THICK) | 1310 | SY | \$ 52.00 | \$ 68,120.00 | | | | | 1310 | \$ 68,120.00 |
| 527-2 | DETECTABLE WARNINGS | 10 | SF | \$ 28.00 | \$ 280.00 | | | | | 10 | \$ 280.00 |
| 530-3-4 | RIPRAP - RUBBLE (F&I) (DITCH LINING) | 71 | TN | \$ 84.00 | \$ 5,964.00 | | | | | 71 | \$ 5,964.00 |
| 538-1 | GUARDRAIL REMOVAL AND RESET | 60 | LF | \$ 13.00 | \$ 780.00 | | | | | 60 | \$ 780.00 |
| 570-1-1 | PERFORMANCE TURF (SOD) (BAHIA) | 18300 | SY | \$ 1.75 | \$ 32,025.00 | | | | | 18300 | \$ 32,025.00 |
| 1644-800 | FIRE HYDRANT (RELOCATE) | 3 | EA | \$ 3,423.00 | \$ 10,269.00 | | | | | 3 | \$ 10,269.00 |
| 700-1-11 | SINGLE POST SIGN (F & I) (< 12 SF) | 35 | AS | \$ 350.00 | \$ 12,250.00 | | | | | 35 | \$ 12,250.00 |
| 706-3 | RETRO-REFLECTIVE MARKERS | 294 | EA | \$ 5.00 | \$ 1,470.00 | | | | | 294 | \$ 1,470.00 |
| 711-11-121 | THERMOPLASTIC, STD, WHITE, SOLID, 6" | 9800 | LF | \$ 1.50 | \$ 14,700.00 | | | | | 9800 | \$ 14,700.00 |
| 711-11-123 | THERMOPLASTIC, STD, WHITE, SOLID, 12" | 225 | LF | \$ 3.00 | \$ 675.00 | | | | | 225 | \$ 675.00 |
| 711-11-125 | THERMOPLASTIC, STD, WHITE, SOLID, 24" | 250 | LF | \$ 5.00 | \$ 1,250.00 | | | | | 250 | \$ 1,250.00 |
| 711-11-141 | THERMOPLASTIC, STD, WHITE, SKIP (2'-4' / 6'-10'), 6" | 86 | LF | \$ 1.50 | \$ 129.00 | | | | | 86 | \$ 129.00 |
| 711-11-160 | THERMOPLASTIC, STD, WHITE, MESSAGE | 11 | EA | \$ 190.00 | \$ 2,090.00 | | | | | 11 | \$ 2,090.00 |
| 711-11-170 | THERMOPLASTIC, STD, WHITE, ARROW | 13 | EA | \$ 75.00 | \$ 975.00 | | | | | 13 | \$ 975.00 |
| 711-11-221 | THERMOPLASTIC, STD, YELLOW, SOLID, 6" | 5500 | LF | \$ 1.50 | \$ 8,250.00 | | | | | 5500 | \$ 8,250.00 |
| 711-11-224 | THERMOPLASTIC, STD, YELLOW, SOLID, 18" | 50 | LF | \$ 4.00 | \$ 200.00 | | | | | 50 | \$ 200.00 |
| 711-16-231 | THERMOPLASTIC, STD, YELLOW, SKIP (10'-30'), 6" | 2725 | LF | \$ 1.50 | \$ 4,087.50 | | | | | 2725 | \$ 4,087.50 |
| ASI-010 | ADD 3 NEW DRAINAGE CROSSINGS & SWALE AREA ALONG 98th AVE. | | | | | 1 | LS | \$ 96,874.52 | \$ 96,874.52 | 1 | \$ 96,874.52 |
| | | | | | \$ 1,304,680.10 | | | | | \$ 378,689.52 | \$ 1,683,369.62 |
| | | | | | Subtotal FPL Funds | | | | | Subtotal IRC Funds | Total |