

Appendix D – Typical Section Package

Draft

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

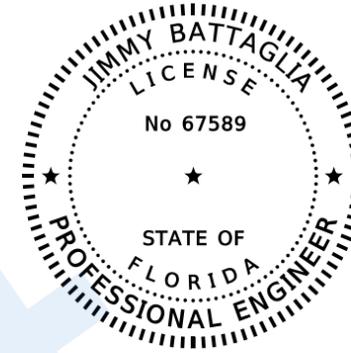
TYPICAL SECTION PACKAGE

FINANCIAL PROJECT ID 439891-1-22-02

BROWARD COUNTY (86012)

STATE ROAD NO. 869

SW 10TH STREET CONNECTOR



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL
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RSSH, INC.
3125 W COMMERCIAL BLVD SUITE 130
FORT LAUDERDALE, FL 33309
CERTIFICATE OF AUTHORIZATION: 5620
JIMMY BATTAGLIA, P.E. NO. 67589

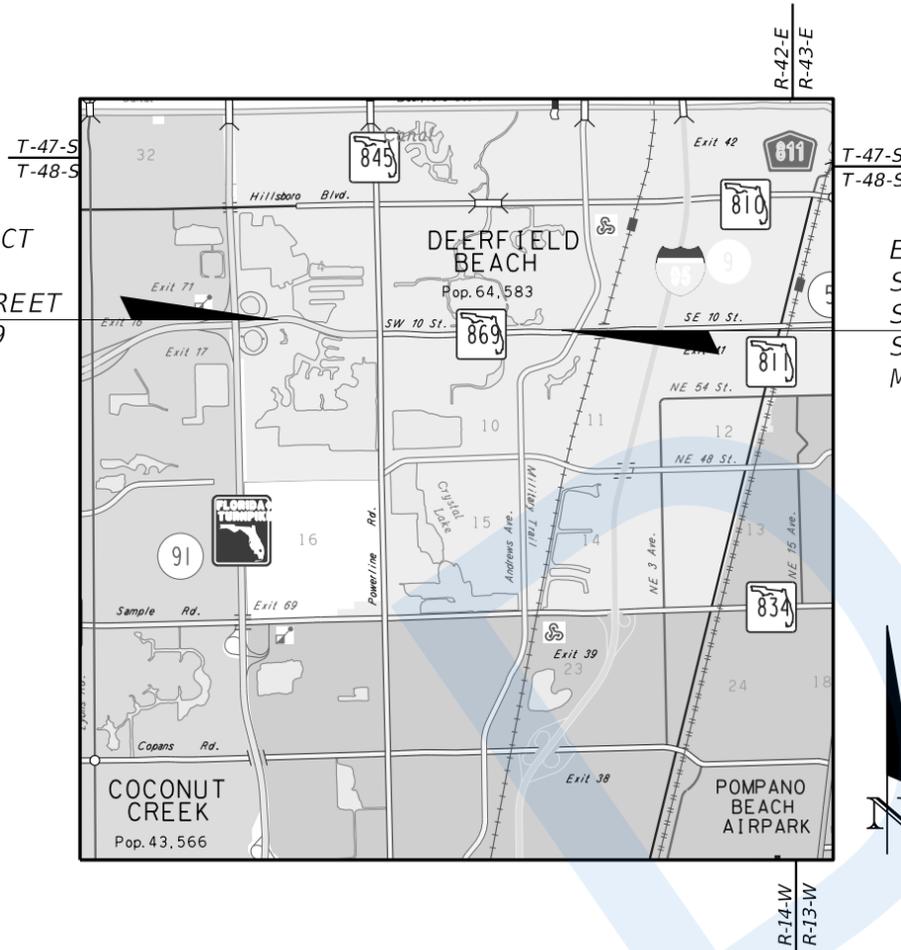
THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

TYPICAL SECTION PACKAGE

| SHEET NO | SHEET DESCRIPTION |
|----------|--|
| 1 | KEY SHEET |
| 2 | SR 869 - MANAGED LANES - SW 10TH STREET CONNECTOR |
| 7 | SR 869 - MANAGED LANES - SW 10TH STREET CONNECTOR AND WESTBOUND EXIT RAMP |
| 8 | SR 869 - MANAGED LANES - SW 10TH STREET CONNECTOR |
| 9 | SR 869 - SW 10TH STREET |
| 12 | SR 845 - POWERLINE ROAD |
| 13 | SERVICE ROAD |
| 14 | EASTBOUND ENTRANCE RAMP |
| 15 | WESTBOUND EXIT RAMP |
| 16 | SR 869 - MANAGED LANES - SW 10TH STREET CONNECTOR BRIDGES OVER POWERLINE ROAD AND SERVICE ROAD |
| 17 | SR 869 - SW 10TH STREET BRIDGE OVER SR 869 - MANAGED LANES - SW 10TH STREET CONNECTOR |
| 18 | EASTBOUND ENTRANCE RAMP BRIDGE OVER EASTBOUND SR 869 - MANAGED LANES |

BEGIN PROJECT
SR 869
SW 10TH STREET
STA 42+73.19
MP 20.815

END PROJECT
SR 869
SW 10TH STREET
STA 157+00.00
MP 1.112



TYPICAL SECTION CONCURRENCE

FDOT DISTRICT DESIGN ENGINEER

FDOT DISTRICT STRUCTURES
DESIGN ENGINEER

FHWA TRANSPORTATION ENGINEER

DESIGN SPEED AND POSTED
SPEED CONCURRENCE:

CONTEXT CLASSIFICATION
CONCURRENCE:

FDOT DISTRICT TRAFFIC OPERATIONS
ENGINEER

FDOT DISTRICT DESIGN ENGINEER

FDOT DISTRICT INTERMODAL SYSTEMS
DEVELOPMENT MANAGER

SHEET
NO.

1

PROJECT CONTROLS

CONTEXT CLASSIFICATION

- () C1 : NATURAL () C3C : SUBURBAN COMM.
- () C2 : RURAL () C4 : URBAN GENERAL
- () C2T : RURAL TOWN () C5 : URBAN CENTER
- (X) C3R : SUBURBAN RES. () C6 : URBAN CORE
- () N/A : L.A. FACILITY

FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MAJOR COLLECTOR
- (X) FREEWAY/EXPWY. () MINOR COLLECTOR
- () PRINCIPAL ARTERIAL () LOCAL
- () MINOR ARTERIAL

HIGHWAY SYSTEM

- () NATIONAL HIGHWAY SYSTEM
- (X) STRATEGIC INTERMODAL SYSTEM
- () STATE HIGHWAY SYSTEM
- () OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

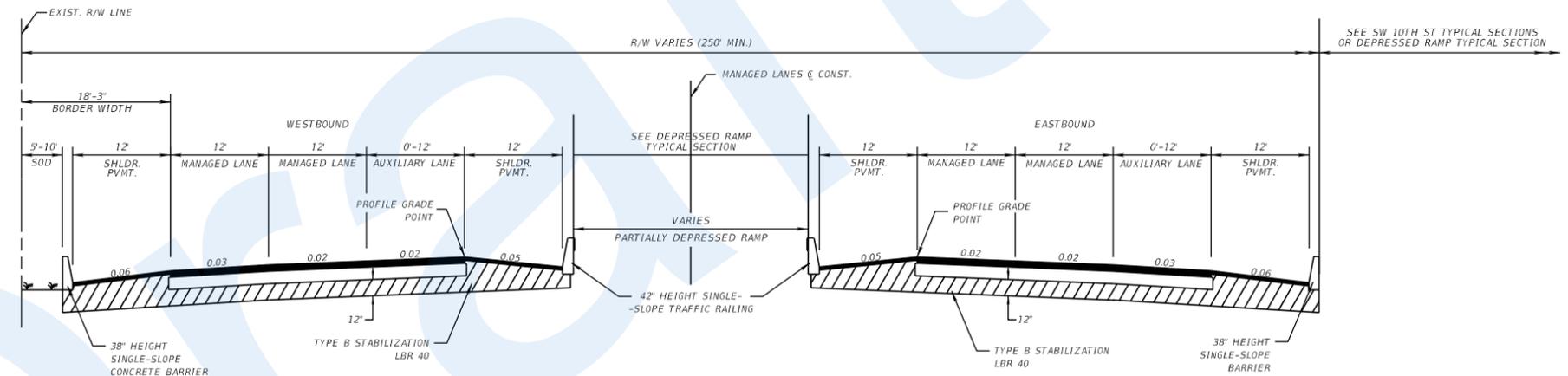
- (X) 1 - FREEWAY
- () 2 - RESTRICTIVE w/Service Roads
- () 3 - RESTRICTIVE w/660 ft. Connection Spacing
- () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 - RESTRICTIVE w/440 ft. Connection Spacing
- () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 - BOTH MEDIAN TYPES

CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- () RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 1



TYPICAL SECTION
 SR 869 - MANAGED LANES
 SW 10TH STREET CONNECTOR
 STA. 42+73.19 TO STA. 62+19.30
 M.P. 20.739 TO M.P. 21.108

TRAFFIC DATA - SR 869 - MANAGED LANES

CURRENT YEAR = 2019 AADT = NA
 ESTIMATED OPENING YEAR = AADT =
 ESTIMATED DESIGN YEAR = 2040 AADT = 54,000
 K = 9% D = 51.5% AM PEAK T = 3-8% (24 HOUR)
 75% PM PEAK
 DESIGN HOUR T = %
 DESIGN SPEED = 60 MPH

| | |
|----------------------|-----------|
| FINANCIAL PROJECT ID | SHEET NO. |
| 439891-1-1-22-02 | 2 |

PROJECT CONTROLS

CONTEXT CLASSIFICATION

- () C1 : NATURAL () C3C : SUBURBAN COMM.
- () C2 : RURAL () C4 : URBAN GENERAL
- () C2T : RURAL TOWN () C5 : URBAN CENTER
- (X) C3R : SUBURBAN RES. () C6 : URBAN CORE
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FUNCTIONAL CLASSIFICATION

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- (X) FREEWAY/EXPWY. () MINOR COLLECTOR
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- () MINOR ARTERIAL

HIGHWAY SYSTEM

- () NATIONAL HIGHWAY SYSTEM
- (X) STRATEGIC INTERMODAL SYSTEM
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- () OFF-STATE HIGHWAY SYSTEM

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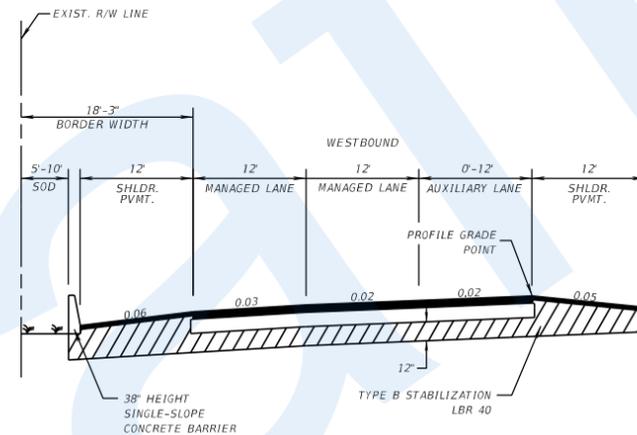
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- () 7 - BOTH MEDIAN TYPES

CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- () RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 4



TYPICAL SECTION
 SR 869 - MANAGED LANES
 SW 10TH STREET CONNECTOR
 STA. 127+64.91 TO STA. 171.20.25
 M.P. 0.556 TO M.P. 1.381

TRAFFIC DATA - SR 869 - MANAGED LANES

CURRENT YEAR = 2019 AADT = NA
 ESTIMATED OPENING YEAR = AADT =
 ESTIMATED DESIGN YEAR = 2040 AADT = 54,000
 K = 9% D = 51.5% AM PEAK T = 3-8% (24 HOUR)
 75% PM PEAK
 DESIGN HOUR T = %
 DESIGN SPEED = 60 MPH

| | |
|----------------------|-----------|
| FINANCIAL PROJECT ID | SHEET NO. |
| 439891-1-1-22-02 | 5 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PROJECT CONTROLS

CONTEXT CLASSIFICATION

- () C1 : NATURAL () C3C : SUBURBAN COMM.
- () C2 : RURAL () C4 : URBAN GENERAL
- () C2T : RURAL TOWN () C5 : URBAN CENTER
- (X) C3R : SUBURBAN RES. () C6 : URBAN CORE
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FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MAJOR COLLECTOR
- (X) FREEWAY/EXPWY. () MINOR COLLECTOR
- () PRINCIPAL ARTERIAL () LOCAL
- () MINOR ARTERIAL

HIGHWAY SYSTEM

- () NATIONAL HIGHWAY SYSTEM
- (X) STRATEGIC INTERMODAL SYSTEM
- () STATE HIGHWAY SYSTEM
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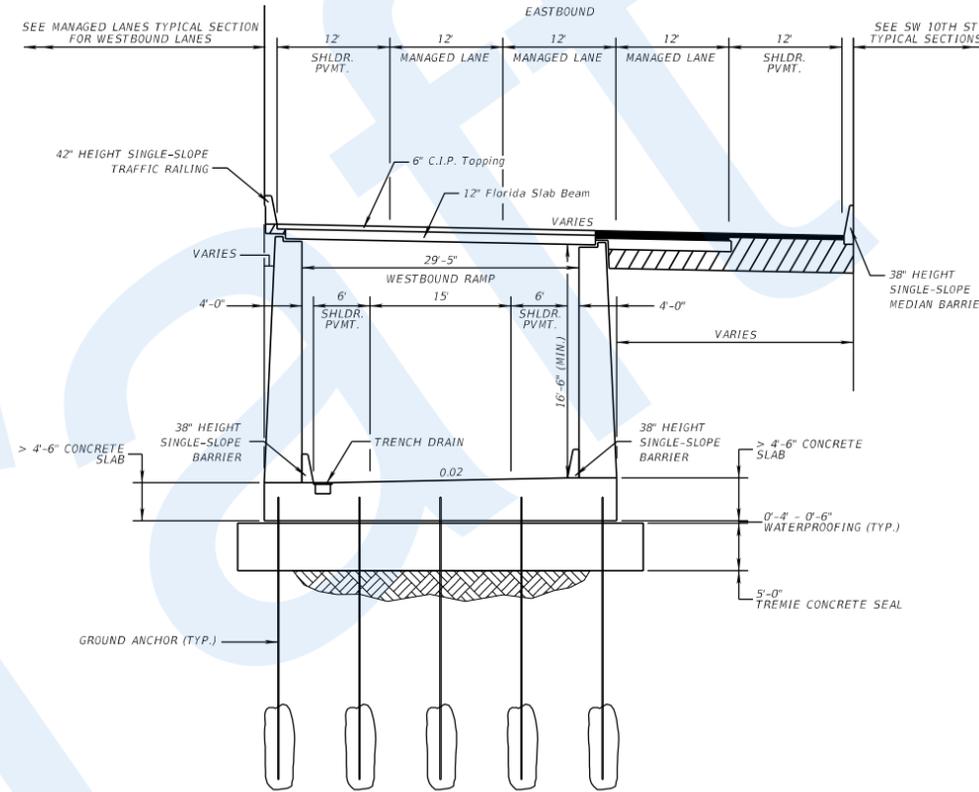
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CRITERIA

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- () RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 6



TYPICAL SECTION
 SR 869 - MANAGED LANES
 SW 10TH STREET CONNECTOR
 WESTBOUND EXIT RAMP
 STA. 130+28.29 TO STA. 140+28.00
 M.P. 0.606 TO M.P. 0.796

TRAFFIC DATA - SR 869 - MANAGED LANES

CURRENT YEAR = 2019 AADT = NA
 ESTIMATED OPENING YEAR = AADT =
 ESTIMATED DESIGN YEAR = 2040 AADT = 54,000
 K = 9% D = 51.5% AM PEAK T = 3-8% (24 HOUR)
 75% PM PEAK
 DESIGN HOUR T = %
 DESIGN SPEED = 60 MPH

TRAFFIC DATA - WESTBOUND EXIT RAMP

CURRENT YEAR = 2019 AADT = NA
 ESTIMATED OPENING YEAR = AADT =
 ESTIMATED DESIGN YEAR = 2040 AADT = 54,000
 K = 9% D = 51.5% AM PEAK T = 3-8% (24 HOUR)
 75% PM PEAK
 DESIGN HOUR T = %
 DESIGN SPEED = 35 MPH

| | |
|----------------------|-----------|
| FINANCIAL PROJECT ID | SHEET NO. |
| 439891-1-1-22-02 | 7 |

PROJECT CONTROLS

CONTEXT CLASSIFICATION

- () C1 : NATURAL () C3C : SUBURBAN COMM.
- () C2 : RURAL () C4 : URBAN GENERAL
- () C2T : RURAL TOWN () C5 : URBAN CENTER
- (X) C3R : SUBURBAN RES. () C6 : URBAN CORE
- () N/A : L.A. FACILITY

FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MAJOR COLLECTOR
- (X) FREEWAY/EXPWY. () MINOR COLLECTOR
- () PRINCIPAL ARTERIAL () LOCAL
- () MINOR ARTERIAL

HIGHWAY SYSTEM

- () NATIONAL HIGHWAY SYSTEM
- (X) STRATEGIC INTERMODAL SYSTEM
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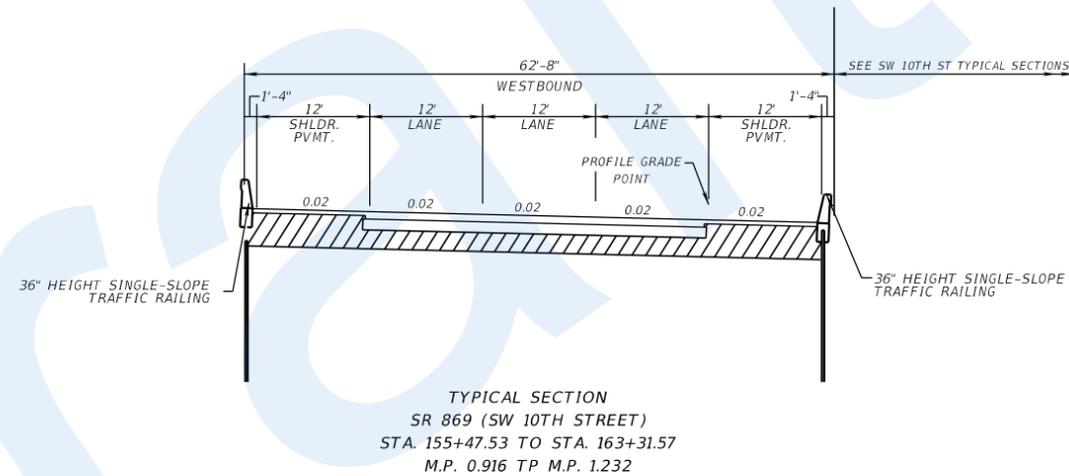
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- () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 - BOTH MEDIAN TYPES

CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- () RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 7



TRAFFIC DATA - SR 869 - MANAGED LANES

CURRENT YEAR = 2019 AADT = NA
 ESTIMATED OPENING YEAR = AADT =
 ESTIMATED DESIGN YEAR = 2040 AADT = 54,000
 K = 9% D = 51.5% AM PEAK T = 3-8% (24 HOUR)
 75% PM PEAK
 DESIGN HOUR T = %
 DESIGN SPEED = 60 MPH

| | |
|----------------------|-----------|
| FINANCIAL PROJECT ID | SHEET NO. |
| 439891-1-1-22-02 | 8 |

PROJECT CONTROLS

CONTEXT CLASSIFICATION

- () C1 : NATURAL () C3C : SUBURBAN COMM.
- () C2 : RURAL () C4 : URBAN GENERAL
- () C2T : RURAL TOWN () C5 : URBAN CENTER
- (X) C3R : SUBURBAN RES. () C6 : URBAN CORE
- () N/A : L.A. FACILITY

FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MAJOR COLLECTOR
- () FREEWAY/EXPWY. () MINOR COLLECTOR
- (X) PRINCIPAL ARTERIAL () LOCAL
- () MINOR ARTERIAL

HIGHWAY SYSTEM

- () NATIONAL HIGHWAY SYSTEM
- (X) STRATEGIC INTERMODAL SYSTEM
- () STATE HIGHWAY SYSTEM
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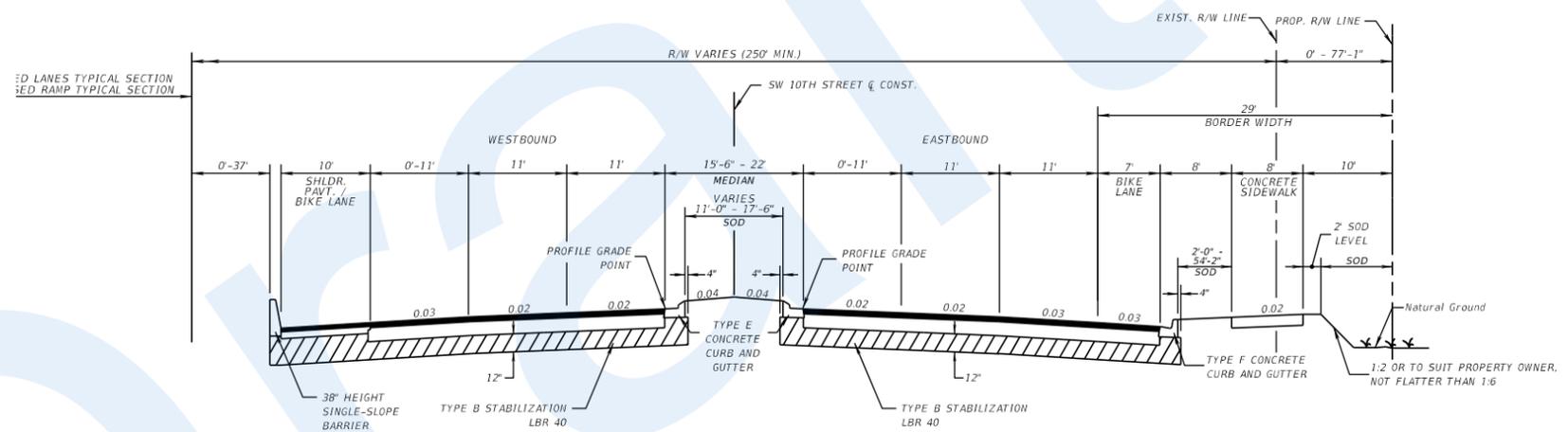
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- () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- (X) 5 - RESTRICTIVE w/440 ft. Connection Spacing
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- () 7 - BOTH MEDIAN TYPES

CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- () RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 10



TYPICAL SECTION
 SR 869 - SW 10TH STREET
 STA. 99+57.25 TO STA. 165+65.57
 M.P. 0.025 TO M.P. 1.276

TRAFFIC DATA - SR 869 - SW 10TH STREET

CURRENT YEAR = 2019 AADT = 46,000
 ESTIMATED OPENING YEAR = AADT =
 ESTIMATED DESIGN YEAR = 2040 AADT = 25,000
 K = 9% D = 51.5% AM PEAK T = 3-8% (24 HOUR)
 75% PM PEAK
 DESIGN HOUR T = %
 DESIGN SPEED = 35 MPH

| | |
|----------------------|-----------|
| FINANCIAL PROJECT ID | SHEET NO. |
| 439891-1-1-22-02 | 11 |

PROJECT CONTROLS

CONTEXT CLASSIFICATION

- () C1 : NATURAL () C3C : SUBURBAN COMM.
- () C2 : RURAL () C4 : URBAN GENERAL
- () C2T : RURAL TOWN () C5 : URBAN CENTER
- (X) C3R : SUBURBAN RES. () C6 : URBAN CORE
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FUNCTIONAL CLASSIFICATION

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- (X) FREEWAY/EXPWY. () MINOR COLLECTOR
- () PRINCIPAL ARTERIAL () LOCAL
- () MINOR ARTERIAL

HIGHWAY SYSTEM

- () NATIONAL HIGHWAY SYSTEM
- (X) STRATEGIC INTERMODAL SYSTEM
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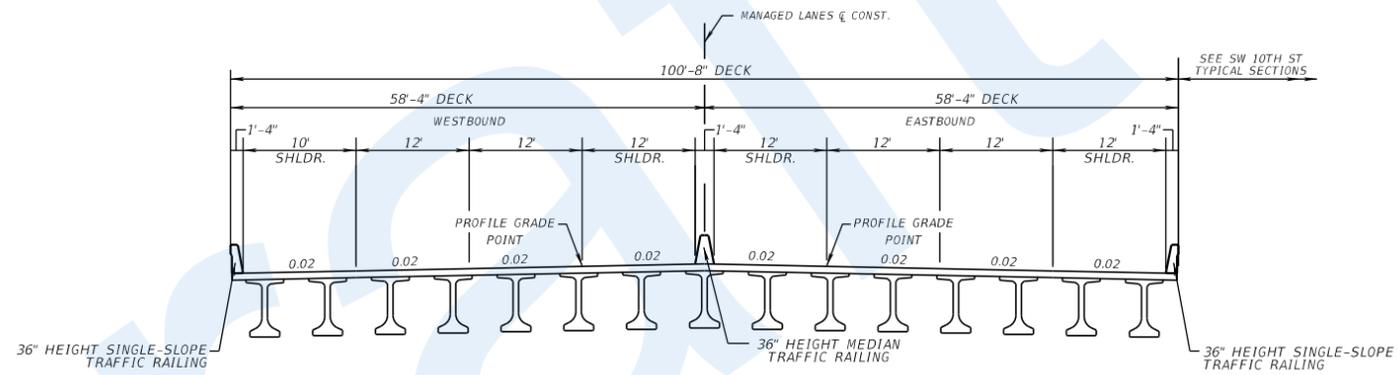
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CRITERIA

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- () RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 15



TYPICAL SECTION
 SR 869 - MANAGED LANES
 SW 10TH STREET CONNECTOR
 BRIDGES OVER POWERLINE ROAD
 AND SERVICE ROAD
 STA. 96+96.64 TO STA. 99+57.25
 STA. 103+49.35 TO STA. 104+90.26
 M.P. 21.767 TO M.P. 0.025
 M.P. 0.099 TO M.P. 0.125

TRAFFIC DATA - SR 869 - MANAGED LANES

CURRENT YEAR = 2019 AADT = NA
 ESTIMATED OPENING YEAR = AADT =
 ESTIMATED DESIGN YEAR = 2040 AADT = 54,000
 K = 9% D = 51.5% AM PEAK T = 3-8% (24 HOUR)
 75% PM PEAK
 DESIGN HOUR T = %
 DESIGN SPEED = 60 MPH

| | |
|----------------------|-----------|
| FINANCIAL PROJECT ID | SHEET NO. |
| 439891-1-1-22-02 | 16 |

PROJECT CONTROLS

CONTEXT CLASSIFICATION

- () C1 : NATURAL () C3C : SUBURBAN COMM.
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- () C2T : RURAL TOWN () C5 : URBAN CENTER
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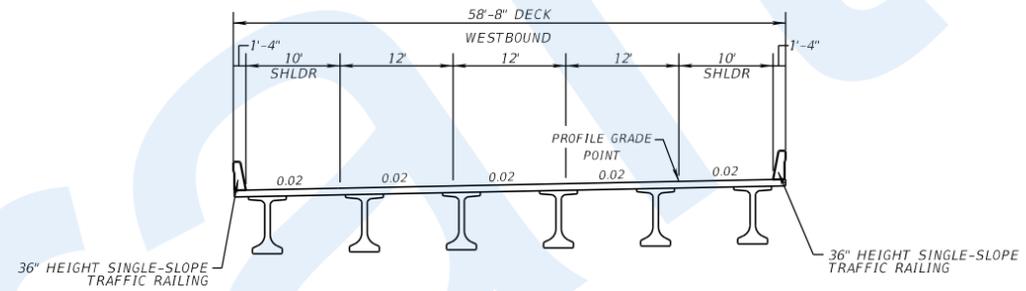
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- () 7 - BOTH MEDIAN TYPES

CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- () RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 17



TYPICAL SECTION
 SR 869 - SW 10TH STREET
 BRIDGE OVER SR 869 - MANAGED LANES
 SW 10TH STREET CONNECTOR
 STA. 53+34.70 TO STA. 64+12.64
 M.P. 20.941 TO M.P. 21.145

TRAFFIC DATA - SR 869 - SW 10TH STREET

CURRENT YEAR = 2019 AADT = 38,000
 ESTIMATED OPENING YEAR = AADT =
 ESTIMATED DESIGN YEAR = 2040 AADT = 34,000
 K = 9% D = 51.5% AM PEAK T = 3-8% (24 HOUR)
 75% PM PEAK
 DESIGN HOUR T = %
 DESIGN SPEED = 35 MPH

| | |
|----------------------|-----------|
| FINANCIAL PROJECT ID | SHEET NO. |
| 439891-1-1-22-02 | 18 |

Appendix E – Long Range Estimate (LRE)

Draft

Full Depressed Alternative

Draft

Date: 3/28/2019 2:27:29 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12 Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 24 Project Grand Total**\$804,845,736.04**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 117 - FULLY DEPRESSED, NORTH ALTERNATIVE, WITH RAMPS. 2019 LRE UPDATE.

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 0.644 MI
3,400 LF

Description: Florida's Turnpike to Independence Drive (Sta. 2008+00 to Sta. 2042+00) at-grade roadway.

EARTHWORK COMPONENT**User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.644 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|-----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 8.31 | AC | \$33,534.39 | \$278,670.78 |
| 120-6 | EMBANKMENT | 10,563.66 | CY | \$26.21 | \$276,873.53 |

Earthwork Component Total**\$555,544.31****ROADWAY COMPONENT****User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 43.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 35,257.54 | SY | \$5.84 | \$205,904.03 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 31,358.51 | SY | \$23.39 | \$733,475.55 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 5,174.15 | TN | \$173.02 | \$895,231.43 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 2,587.08 | TN | \$136.41 | \$352,903.58 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|---|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 435.00 | EA | \$4.46 | \$1,940.10 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 5.15 | GM | \$886.31 | \$4,564.50 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 5.15 | GM | \$381.64 | \$1,965.45 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|---|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 3,400.00 | LF | \$193.50 | \$657,900.00 |

Roadway Component Total \$2,853,884.64

SHOULDER COMPONENT

User Input Data

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 3,400.32 | LF | \$27.11 | \$92,182.68 |

| | | | | |
|-------|-------------------------------------|-------------|---------|-------------|
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 2,266.88 SY | \$40.79 | \$92,466.04 |
|-------|-------------------------------------|-------------|---------|-------------|

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|--|----------|------|------------|---------------------|
| 104-10-3 | SEDIMENT BARRIER | 6,800.64 | LF | \$1.87 | \$12,717.20 |
| 104-11 | FLOATING TURBIDITY BARRIER | 161.00 | LF | \$15.21 | \$2,448.81 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 161.00 | LF | \$9.50 | \$1,529.50 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 33.00 | EA | \$107.47 | \$3,546.51 |
| 107-1 | LITTER REMOVAL | 16.39 | AC | \$41.03 | \$672.48 |
| 107-2 | MOWING | 16.39 | AC | \$73.69 | \$1,207.78 |
| Shoulder Component Total | | | | | \$208,854.20 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------------------------|--------------------------------|----------|------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 6,800.64 | LF | \$29.08 | \$197,762.61 |
| 570-1-1 | PERFORMANCE TURF | 3,778.13 | SY | \$3.13 | \$11,825.55 |
| Median Component Total | | | | | \$209,588.16 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|----------|------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 11.59 | CY | \$2,500.00 | \$28,975.00 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 24.00 | EA | \$6,422.69 | \$154,144.56 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 7.00 | EA | \$8,307.63 | \$58,153.41 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 4.00 | EA | \$5,333.93 | \$21,335.72 |
| 425-2-41 | MANHOLES, P-7, <10' | 4.00 | EA | \$5,967.25 | \$23,869.00 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 1,712.00 | LF | \$166.55 | \$285,133.60 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 152.00 | LF | \$245.14 | \$37,261.28 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 3,224.00 | LF | \$372.58 | \$1,201,197.92 |
| 570-1-1 | PERFORMANCE TURF | 195.78 | SY | \$3.13 | \$612.79 |
| Drainage Component Total | | | | | \$1,810,683.28 |

INTERSECTIONS COMPONENT

Intersection 1

| Description | Value |
|--------------------------------------|---------------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Waterways Boulevard |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$33,534.39 | \$39,570.58 |
| 120-1 | REGULAR EXCAVATION | 738.74 | CY | \$19.85 | \$14,663.99 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,783.68 | SY | \$5.84 | \$10,416.69 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.39 | \$26,453.39 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,783.68 | SY | \$23.39 | \$41,720.28 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 | TN | \$173.02 | \$32,287.26 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 294.31 | TN | \$173.02 | \$50,921.52 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 147.15 | TN | \$136.41 | \$20,072.73 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 | TN | \$136.41 | \$12,728.42 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 449.00 | LF | \$27.11 | \$12,172.39 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 249.44 | SY | \$40.79 | \$10,174.66 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$51.64 | \$4,489.58 |
| 570-1-1 | PERFORMANCE TURF | 249.44 | SY | \$3.13 | \$780.75 |

Intersection 2

| Description | Value |
|--------------------------------------|--------------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Independence Drive |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------------|---|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$33,534.39 | \$39,570.58 |
| 120-1 | REGULAR EXCAVATION | 738.74 | CY | \$19.85 | \$14,663.99 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,783.68 | SY | \$5.84 | \$10,416.69 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.39 | \$26,453.39 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,783.68 | SY | \$23.39 | \$41,720.28 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 | TN | \$173.02 | \$32,287.26 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 294.31 | TN | \$173.02 | \$50,921.52 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 | TN | \$136.41 | \$12,728.42 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 147.15 | TN | \$136.41 | \$20,072.73 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 449.00 | LF | \$27.11 | \$12,172.39 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 249.44 | SY | \$40.79 | \$10,174.66 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$51.64 | \$4,489.58 |
| 570-1-1 | PERFORMANCE TURF | 249.44 | SY | \$3.13 | \$780.75 |
| Intersections Component Total | | | | | \$618,737.58 |

SIGNING COMPONENT

| Pay Items | | | | | |
|--------------------------------|--|----------|------|------------|--------------------|
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 16.00 | AS | \$350.88 | \$5,614.08 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 2.00 | AS | \$1,059.25 | \$2,118.50 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 2.00 | AS | \$6,694.62 | \$13,389.24 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101- 200 SF | 2.00 | AS | \$9,107.62 | \$18,215.24 |
| Signing Component Total | | | | | \$39,337.06 |

SIGNALIZATIONS COMPONENT

Signalization 1

| Description | Value |
|-------------|--------------------------------------|
| Type | 6 Lane Mast Arm |
| Multiplier | 1 |
| Description | Waterways Boulevard Intersection. |

| Pay Items | | | | | |
|-----------|-------------|----------|------|------------|-----------------|
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |

| | | | | |
|-----------|--|-----------|-------------|--------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 LF | \$8.44 | \$5,908.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 LF | \$19.02 | \$5,706.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 PI | \$5,746.26 | \$5,746.26 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 EA | \$649.86 | \$14,296.92 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 AS | \$2,608.78 | \$2,608.78 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 LF | \$4.89 | \$293.40 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 AS | \$995.45 | \$19,909.00 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 AS | \$672.27 | \$5,378.16 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 20.00 EA | \$172.57 | \$3,451.40 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 AS | \$1,322.11 | \$26,442.20 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 EA | \$243.95 | \$1,951.60 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$259.33 | \$1,037.32 |

Signalization 2

| | |
|--------------------|---------------------------------|
| Description | Value |
| Type | 6 Lane Mast Arm |
| Multiplier | 1 |
| Description | Independence Drive Intersection |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--|----------|------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 | LF | \$8.44 | \$5,908.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 | LF | \$19.02 | \$5,706.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 | PI | \$5,746.26 | \$5,746.26 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 | EA | \$649.86 | \$14,296.92 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 | AS | \$2,608.78 | \$2,608.78 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 | LF | \$4.89 | \$293.40 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 | EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 | EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 | AS | \$995.45 | \$19,909.00 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 | AS | \$672.27 | \$5,378.16 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 20.00 | EA | \$172.57 | \$3,451.40 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 | AS | \$1,322.11 | \$26,442.20 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 | EA | \$243.95 | \$1,951.60 |

| | | | | |
|---------------------------------------|--|---------|-------------|---------------------|
| | PEDESTRIAN DETECTOR, F&I, STANDARD | | | |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$259.33 | \$1,037.32 |
| Signalizations Component Total | | | | \$916,555.44 |

LIGHTING COMPONENT

Conventional Lighting Subcomponent

| Description | | Value | | |
|---------------------------------|--|---------------|------------|-----------------------|
| Spacing | | MIN | | |
| Pay Items | | | | |
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 3,400.32 LF | \$8.44 | \$28,698.70 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 674.91 LF | \$19.02 | \$12,836.79 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 23.00 EA | \$649.86 | \$14,946.78 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 12,418.90 LF | \$2.48 | \$30,798.87 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I- STD, 40' | 23.00 EA | \$6,064.29 | \$139,478.67 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 23.00 EA | \$611.83 | \$14,072.09 |
| Subcomponent Total | | | | \$240,831.90 |
| Lighting Component Total | | | | \$240,831.90 |
| Sequence 1 Total | | | | \$7,454,016.57 |

Sequence: 2 NDU - New Construction, Divided, Urban**Net Length:** 0.455 MI
2,400 LF**Description:** From Independence Drive to approximately 1000' east of Powerline Road (Sta. 2042+00 to Sta. 2066+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.455 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------------|-------------|-------------------|------------------------|
| 110-1-1 | CLEARING & GRUBBING | 5.86 | AC | \$33,534.39 | \$196,511.53 |
| 120-6 | EMBANKMENT | 7,463.46 | CY | \$26.21 | \$195,617.29 |
| Earthwork Component Total | | | | | \$392,128.82 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 43.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---|-----------------|-------------|-------------------|------------------------|
| 160-4 | TYPE B STABILIZATION | 24,882.84 | SY | \$5.84 | \$145,315.79 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 22,131.12 | SY | \$23.39 | \$517,646.90 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 3,651.63 | TN | \$173.02 | \$631,805.02 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 1,825.82 | TN | \$136.41 | \$249,060.11 |

Pavement Marking Subcomponent

| Description | Value |
|--|--------------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|--|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 307.00 | EA | \$4.46 | \$1,369.22 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 3.64 | GM | \$886.31 | \$3,226.17 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 3.64 | GM | \$381.64 | \$1,389.17 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--------------------------------------|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 2,400.00 | LF | \$193.50 | \$464,400.00 |

Roadway Component Total

\$2,014,212.38

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,399.76 | LF | \$27.11 | \$65,057.49 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 1,599.84 | SY | \$40.79 | \$65,257.47 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 4,799.52 | LF | \$1.87 | \$8,975.10 |
| 104-11 | FLOATING TURBIDITY BARRIER | 113.62 | LF | \$15.21 | \$1,728.16 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 113.62 | LF | \$9.50 | \$1,079.39 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 24.00 | EA | \$107.47 | \$2,579.28 |
| 107-1 | LITTER REMOVAL | 11.57 | AC | \$41.03 | \$474.72 |
| 107-2 | MOWING | 11.57 | AC | \$73.69 | \$852.59 |

Shoulder Component Total

\$148,087.40

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------------------------|-----------------------------------|----------|------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 4,799.52 | LF | \$29.08 | \$139,570.04 |
| 570-1-1 | PERFORMANCE TURF | 2,666.40 | SY | \$3.13 | \$8,345.83 |
| Median Component Total | | | | | \$147,915.87 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|--|----------|------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 8.18 | CY | \$2,500.00 | \$20,450.00 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 17.00 | EA | \$6,422.69 | \$109,185.73 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 5.00 | EA | \$8,307.63 | \$41,538.15 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 3.00 | EA | \$5,333.93 | \$16,001.79 |
| 425-2-41 | MANHOLES, P-7, <10' | 3.00 | EA | \$5,967.25 | \$17,901.75 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 1,208.00 | LF | \$166.55 | \$201,192.40 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 112.00 | LF | \$245.14 | \$27,455.68 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 2,280.00 | LF | \$372.58 | \$849,482.40 |
| 570-1-1 | PERFORMANCE TURF | 138.17 | SY | \$3.13 | \$432.47 |
| Drainage Component Total | | | | | \$1,283,640.37 |

INTERSECTIONS COMPONENT**Intersection 1**

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 4 |
| Mainline No. of Right Turn Lanes | 3 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 4 |
| Cross Street No. of Left Turn Lanes | 4 |
| Cross Street No. of Right Turn Lanes | 3 |
| Cross Street Design Speed | 45 |
| T-Intersection? | N |
| Multiplier | 1 |
| Description | Powerline Road |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 2.75 | AC | \$33,534.39 | \$92,219.57 |

| | | | | |
|--------------------------------------|---|-------------|----------|---------------------|
| 120-1 | REGULAR EXCAVATION | 2,607.33 CY | \$19.85 | \$51,755.50 |
| 160-4 | TYPE B STABILIZATION | 3,312.31 SY | \$5.84 | \$19,343.89 |
| 160-4 | TYPE B STABILIZATION | 6,295.36 SY | \$5.84 | \$36,764.90 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 3,312.31 SY | \$23.39 | \$77,474.93 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 6,295.36 SY | \$23.39 | \$147,248.47 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 546.53 TN | \$173.02 | \$94,560.62 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 1,038.73 TN | \$173.02 | \$179,721.06 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 273.27 TN | \$136.41 | \$37,276.76 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 519.37 TN | \$136.41 | \$70,847.26 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 405.68 LF | \$29.08 | \$11,797.17 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 1,058.00 LF | \$27.11 | \$28,682.38 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 570.00 LF | \$44.08 | \$25,125.60 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 370.00 LF | \$44.08 | \$16,309.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 587.78 SY | \$40.79 | \$23,975.55 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 173.89 SY | \$51.64 | \$8,979.68 |
| 570-1-1 | PERFORMANCE TURF | 587.78 SY | \$3.13 | \$1,839.75 |
| Intersections Component Total | | | | \$923,922.69 |

SIGNING COMPONENT

| Pay Items | | | | | |
|--------------------------------|--|-----------------|-------------|-------------------|------------------------|
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 11.00 | AS | \$350.88 | \$3,859.68 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 1.00 | AS | \$1,059.25 | \$1,059.25 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 1.00 | AS | \$6,694.62 | \$6,694.62 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101- 200 SF | 1.00 | AS | \$9,107.62 | \$9,107.62 |
| Signing Component Total | | | | | \$20,721.17 |

SIGNALIZATIONS COMPONENT

Signalization 1

| | |
|--------------------|-----------------------------|
| Description | Value |
| Type | 6 Lane Mast Arm |
| Multiplier | 1 |
| Description | Powerline Road Intersection |

| Pay Items | | | | | |
|------------------|------------------------------------|-----------------|-------------|-------------------|------------------------|
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 | LF | \$8.44 | \$5,908.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 | LF | \$19.02 | \$5,706.00 |

| | | | | |
|---------------------------------------|---|----------|-------------|---------------------|
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 PI | \$5,746.26 | \$5,746.26 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 EA | \$649.86 | \$14,296.92 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 AS | \$2,608.78 | \$2,608.78 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 LF | \$4.89 | \$293.40 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 AS | \$995.45 | \$19,909.00 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 AS | \$672.27 | \$5,378.16 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 20.00 EA | \$172.57 | \$3,451.40 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 AS | \$1,322.11 | \$26,442.20 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 EA | \$243.95 | \$1,951.60 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$259.33 | \$1,037.32 |
| Signalizations Component Total | | | | \$458,277.72 |

LIGHTING COMPONENT

Conventional Lighting Subcomponent

| Description | | | | Value |
|---------------------------------|--|----------|------|-----------------------|
| Spacing | | | | MIN |
| Pay Items | | | | |
| Pay item | Description | Quantity | Unit | Unit Price |
| | | | | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 2,399.76 | LF | \$8.44 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 476.32 | LF | \$19.02 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 16.00 | EA | \$649.86 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 8,764.58 | LF | \$2.48 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I- STD, 40' | 16.00 | EA | \$6,064.29 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 16.00 | EA | \$611.83 |
| Subcomponent Total | | | | \$168,265.42 |
| Lighting Component Total | | | | \$168,265.42 |
| Sequence 2 Total | | | | \$5,557,171.84 |

Sequence: 3NDU - New Construction, Divided, Urban**Net Length:** 1.193 MI
6,300 LF**Description:** Approximately 1000' east of Powerline Road to Military Trail (Sta. 2066+00 to Sta. 2129+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 39.75 / 44.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 1.193 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 12.22 | AC | \$33,534.39 | \$409,790.25 |
| 120-6 | EMBANKMENT | 19,053.43 | CY | \$26.21 | \$499,390.40 |
| Earthwork Component Total | | | | | \$909,180.65 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 4 |
| Roadway Pavement Width L/R | 32.00 / 29.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 49,924.76 | SY | \$5.84 | \$291,560.60 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 42,700.65 | SY | \$23.39 | \$998,768.20 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 7,045.61 | TN | \$173.02 | \$1,219,031.44 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 3,522.80 | TN | \$136.41 | \$480,545.15 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|---|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 2,250.00 | LF | \$193.50 | \$435,375.00 |

Comment: For slip ramp to express lanes.**Pavement Marking Subcomponent**

| Description | Value |
|-------------|-------|
|-------------|-------|

| | |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|------------|--|---------------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 483.00 EA | \$4.46 | \$2,154.18 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 9.55 GM | \$886.31 | \$8,464.26 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 4.77 GM | \$381.64 | \$1,820.42 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|--------------------------------------|---------------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 6,300.00 LF | \$193.50 | \$1,219,050.00 |

Roadway Component Total

\$4,656,769.25

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|---------------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 6,300.10 LF | \$27.11 | \$170,795.71 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 4,200.06 SY | \$40.79 | \$171,320.45 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--|---------------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 12,600.19 LF | \$1.87 | \$23,562.36 |
| 104-11 | FLOATING TURBIDITY BARRIER | 298.30 LF | \$15.21 | \$4,537.14 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 298.30 LF | \$9.50 | \$2,833.85 |
| 104-15 | | 2.00 EA | \$2,083.20 | \$4,166.40 |

| SOIL TRACKING PREVENTION DEVICE | | | | |
|---------------------------------|-------------------------|----------|----------|---------------------|
| 104-18 | INLET PROTECTION SYSTEM | 61.00 EA | \$107.47 | \$6,555.67 |
| 107-1 | LITTER REMOVAL | 30.37 AC | \$41.03 | \$1,246.08 |
| 107-2 | MOWING | 30.37 AC | \$73.69 | \$2,237.97 |
| Shoulder Component Total | | | | \$387,255.63 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-------------------------------|--------------------------------|---------------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 12,600.19 LF | \$29.08 | \$366,413.53 |
| 570-1-1 | PERFORMANCE TURF | 7,000.11 SY | \$3.13 | \$21,910.34 |
| Median Component Total | | | | \$388,323.87 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|---------------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 21.48 CY | \$2,500.00 | \$53,700.00 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 43.00 EA | \$6,422.69 | \$276,175.67 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 12.00 EA | \$8,307.63 | \$99,691.56 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 6.00 EA | \$5,333.93 | \$32,003.58 |
| 425-2-41 | MANHOLES, P-7, <10' | 6.00 EA | \$5,967.25 | \$35,803.50 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 3,160.00 LF | \$166.55 | \$526,298.00 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 288.00 LF | \$245.14 | \$70,600.32 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 5,968.00 LF | \$372.58 | \$2,223,557.44 |
| 570-1-1 | PERFORMANCE TURF | 362.73 SY | \$3.13 | \$1,135.34 |
| Drainage Component Total | | | | \$3,318,965.41 |

INTERSECTIONS COMPONENT**Intersection 1**

| Description | Value |
|--------------------------------------|-------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 0 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |

Multiplier 1
 Description Intersection leading to Sirius XM
 Radio building.

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 0.70 | AC | \$33,534.39 | \$23,474.07 |
| 120-1 | REGULAR EXCAVATION | 391.86 | CY | \$19.85 | \$7,778.42 |
| 160-4 | TYPE B STABILIZATION | 1,107.64 | SY | \$5.84 | \$6,468.62 |
| 160-4 | TYPE B STABILIZATION | 946.13 | SY | \$5.84 | \$5,525.40 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,107.64 | SY | \$23.39 | \$25,907.70 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 946.13 | SY | \$23.39 | \$22,129.98 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 182.76 | TN | \$173.02 | \$31,621.14 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 156.11 | TN | \$173.02 | \$27,010.15 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 91.38 | TN | \$136.41 | \$12,465.15 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 78.06 | TN | \$136.41 | \$10,648.16 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 273.00 | LF | \$27.11 | \$7,401.03 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 151.67 | SY | \$40.79 | \$6,186.62 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$51.64 | \$4,489.58 |
| 570-1-1 | PERFORMANCE TURF | 151.67 | SY | \$3.13 | \$474.73 |

Intersection 2

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 30th Avenue |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$33,534.39 | \$39,570.58 |
| 120-1 | REGULAR EXCAVATION | 628.29 | CY | \$19.85 | \$12,471.56 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,517.01 | SY | \$5.84 | \$8,859.34 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.39 | \$26,453.39 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,517.01 | SY | \$23.39 | \$35,482.86 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 | TN | \$173.02 | \$32,287.26 |

| | | | | |
|----------|---|-----------|----------|-------------|
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 250.31 TN | \$173.02 | \$43,308.64 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 TN | \$136.41 | \$12,728.42 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 125.15 TN | \$136.41 | \$17,071.71 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 LF | \$27.11 | \$12,823.03 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 SY | \$40.79 | \$10,718.80 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$51.64 | \$4,489.58 |
| 570-1-1 | PERFORMANCE TURF | 262.78 SY | \$3.13 | \$822.50 |

Intersection 3

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 28th Avenue |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$33,534.39 | \$39,570.58 |
| 120-1 | REGULAR EXCAVATION | 628.29 | CY | \$19.85 | \$12,471.56 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,517.01 | SY | \$5.84 | \$8,859.34 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.39 | \$26,453.39 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,517.01 | SY | \$23.39 | \$35,482.86 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 | TN | \$173.02 | \$32,287.26 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 250.31 | TN | \$173.02 | \$43,308.64 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 | TN | \$136.41 | \$12,728.42 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 125.15 | TN | \$136.41 | \$17,071.71 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 | LF | \$27.11 | \$12,823.03 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 | SY | \$40.79 | \$10,718.80 |

| | | | | |
|---------|-------------------------------------|-----------|---------|------------|
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$51.64 | \$4,489.58 |
| 570-1-1 | PERFORMANCE TURF | 262.78 SY | \$3.13 | \$822.50 |

Intersection 4

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 24th Avenue |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------------|---|----------|------|-------------|-----------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$33,534.39 | \$39,570.58 |
| 120-1 | REGULAR EXCAVATION | 772.70 | CY | \$19.85 | \$15,338.10 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,865.68 | SY | \$5.84 | \$10,895.57 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.39 | \$26,453.39 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,865.68 | SY | \$23.39 | \$43,638.26 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 | TN | \$173.02 | \$32,287.26 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 307.84 | TN | \$173.02 | \$53,262.48 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22 | 93.31 | TN | \$136.41 | \$12,728.42 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22 | 153.92 | TN | \$136.41 | \$20,996.23 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 | LF | \$27.11 | \$12,823.03 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 | SY | \$40.79 | \$10,718.80 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$51.64 | \$4,489.58 |
| 570-1-1 | PERFORMANCE TURF | 262.78 | SY | \$3.13 | \$822.50 |
| Intersections Component Total | | | | | \$1,106,246.03 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|------------------------------------|----------|------|------------|-----------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 29.00 | AS | \$350.88 | \$10,175.52 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 3.00 | AS | \$1,059.25 | \$3,177.75 |

| | | | | |
|--------------------------------|--------------------------------------|---------|------------|--------------------|
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51-100 SF | 3.00 AS | \$6,694.62 | \$20,083.86 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101-200 SF | 3.00 AS | \$9,107.62 | \$27,322.86 |
| Signing Component Total | | | | \$60,759.99 |

SIGNALIZATIONS COMPONENT

Signalization 1

| | |
|--------------------|-----------------|
| Description | Value |
| Type | 4 Lane Mast Arm |
| Multiplier | 1 |
| Description | SW 28th Avenue |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------------|--|---------------|-------------|---------------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 750.00 LF | \$8.44 | \$6,330.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 250.00 LF | \$19.02 | \$4,755.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 PI | \$5,746.26 | \$5,746.26 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 16.00 EA | \$649.86 | \$10,397.76 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 AS | \$2,608.78 | \$2,608.78 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 LF | \$4.89 | \$293.40 |
| 649-21-10 | STEEL MAST ARM ASSEMBLY, F&I, 60' | 4.00 EA | \$40,041.33 | \$160,165.32 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 12.00 AS | \$995.45 | \$11,945.40 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 AS | \$672.27 | \$5,378.16 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 12.00 EA | \$172.57 | \$2,070.84 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 12.00 AS | \$1,322.11 | \$15,865.32 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 EA | \$243.95 | \$1,951.60 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$259.33 | \$1,037.32 |
| Signalizations Component Total | | | | \$257,241.22 |

LIGHTING COMPONENT

Conventional Lighting Subcomponent

| Description | | Value | | |
|--------------------|-----------------------------------|---------------|------------|-----------------|
| Spacing | | MIN | | |
| Pay Items | | | | |
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 6,300.10 LF | \$8.44 | \$53,172.84 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 1,250.47 LF | \$19.02 | \$23,783.94 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 42.00 EA | \$649.86 | \$27,294.12 |

| | | | | |
|-----------|--|--------------|------------|-----------------|
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 23,009.67 LF | \$2.48 | \$57,063.98 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I- STD, 40' | 42.00 EA | \$6,064.29 | \$254,700.18 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 42.00 EA | \$611.83 | \$25,696.86 |
| | Subcomponent Total | | | \$441,711.92 |
| | Lighting Component Total | | | \$441,711.92 |
| <hr/> | | | | |
| | Sequence 3 Total | | | \$11,526,453.97 |
| <hr/> | | | | |

Draft

Sequence: 4 NDU - New Construction, Divided, Urban**Net Length:** 0.530 MI
2,800 LF**Description:** Powerline Road from West Drive to approximately 1200' south of SW 10th Street.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 55.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.530 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 7.16 | AC | \$33,534.39 | \$240,106.23 |
| 120-6 | EMBANKMENT | 10,157.16 | CY | \$26.21 | \$266,219.16 |
| Earthwork Component Total | | | | | \$506,325.39 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 40.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 28,099.39 | SY | \$5.84 | \$164,100.44 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 24,888.75 | SY | \$23.39 | \$582,147.86 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 4,106.64 | TN | \$173.02 | \$710,530.85 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 2,053.32 | TN | \$136.41 | \$280,093.38 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|----------|------|------------|-----------------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 358.00 | EA | \$4.46 | \$1,596.68 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 4.24 | GM | \$886.31 | \$3,757.95 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 4.24 | GM | \$381.64 | \$1,618.15 |
| Roadway Component Total | | | | | \$1,743,845.31 |

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 8.25 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 6.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,799.98 | LF | \$27.11 | \$75,907.46 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,799.98 | LF | \$27.11 | \$75,907.46 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 3,733.31 | SY | \$40.79 | \$152,281.71 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|--|----------|------|------------|---------------------|
| 104-10-3 | SEDIMENT BARRIER | 5,599.97 | LF | \$1.87 | \$10,471.94 |
| 104-11 | FLOATING TURBIDITY BARRIER | 132.57 | LF | \$15.21 | \$2,016.39 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 132.57 | LF | \$9.50 | \$1,259.42 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 28.00 | EA | \$107.47 | \$3,009.16 |
| 107-1 | LITTER REMOVAL | 13.50 | AC | \$41.03 | \$553.90 |
| 107-2 | MOWING | 13.50 | AC | \$73.69 | \$994.82 |
| Shoulder Component Total | | | | | \$324,485.47 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--------------------------------|----------|------|------------|-----------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 5,599.97 | LF | \$29.08 | \$162,847.13 |
| 570-1-1 | PERFORMANCE TURF | 3,111.09 | SY | \$3.13 | \$9,737.71 |

Median Component Total

\$172,584.84

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|----------|------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 9.55 | CY | \$2,500.00 | \$23,875.00 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 20.00 | EA | \$6,422.69 | \$128,453.80 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 6.00 | EA | \$8,307.63 | \$49,845.78 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 3.00 | EA | \$5,333.93 | \$16,001.79 |
| 425-2-41 | MANHOLES, P-7, <10' | 3.00 | EA | \$5,967.25 | \$17,901.75 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 1,408.00 | LF | \$166.55 | \$234,502.40 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 128.00 | LF | \$245.14 | \$31,377.92 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 2,656.00 | LF | \$372.58 | \$989,572.48 |
| 570-1-1 | PERFORMANCE TURF | 161.21 | SY | \$3.13 | \$504.59 |
| Drainage Component Total | | | | | \$1,492,035.51 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--------------------------------------|----------|------|------------|--------------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 13.00 | AS | \$350.88 | \$4,561.44 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 2.00 | AS | \$1,059.25 | \$2,118.50 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51-100 SF | 2.00 | AS | \$6,694.62 | \$13,389.24 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101-200 SF | 2.00 | AS | \$9,107.62 | \$18,215.24 |
| Signing Component Total | | | | | \$38,284.42 |

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

| Description | Quantity | Unit | Unit Price | Value | |
|---------------------------|---|-----------|------------|---------------------|-----------------|
| Spacing | | | | MIN | |
| Pay Items | Description | Quantity | Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 2,799.98 | LF | \$8.44 | \$23,631.83 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 555.75 | LF | \$19.02 | \$10,570.36 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 19.00 | EA | \$649.86 | \$12,347.34 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 10,226.31 | LF | \$2.48 | \$25,361.25 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 19.00 | EA | \$6,064.29 | \$115,221.51 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 19.00 | EA | \$611.83 | \$11,624.77 |
| Subcomponent Total | | | | \$198,757.06 | |

| | |
|---------------------------------|----------------|
| Lighting Component Total | \$198,757.07 |
| <hr/> | |
| Sequence 4 Total | \$4,476,318.01 |
| <hr/> | |

Draft

Sequence: 5NDR - New Construction, Divided, Rural**Net Length:** 2.292 MI
12,102 LF**Description:** Express lane section along SW 10th Street from Florida's Turnpike to Military Trail.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 53.50 / 53.50 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.000 |
| Top of Structural Course For Begin Section | 0.00 |
| Top of Structural Course For End Section | 0.00 |
| Horizontal Elevation For Begin Section | 0.00 |
| Horizontal Elevation For End Section | 0.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Roadway Cross Slope L/R | 0.00 % / 0.00 % |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---------------------|---------------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 29.73 AC | \$33,534.39 | \$996,977.41 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---|---------------|------------|-----------------|
| 120-1 | REGULAR EXCAVATION | 951,360.00 CY | \$19.85 | \$18,884,496.00 |
| | Comment: For depressed section. | | | |
| 120-6 | EMBANKMENT | 167,931.00 CY | \$26.21 | \$4,401,471.51 |
| | Comment: For bridge segment 1 = 63903 CY, for bridge segment 2 = 104028 CY | | | |

Earthwork Component Total \$24,282,944.92**ROADWAY COMPONENT****User Input Data**

| Description | Value |
|-----------------------------|-------------|
| Number of Lanes | 4 |
| Roadway Pavement Width L/R | 0.00 / 0.00 |
| Structural Spread Rate | 0 |
| Friction Course Spread Rate | 80 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---|---------------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 35,667.00 SY | \$5.84 | \$208,295.28 |
| | Comment: For bridge segment 1 = 17834 SY For bridge segment 2 = 17833 SY | | | |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 34,000.00 SY | \$23.39 | \$795,260.00 |
| | Comment: For bridge segment 1 = 17000 SY For bridge segment 2 = 17000 SY | | | |
| 334-1-13 | | 5,610.00 TN | \$173.02 | \$970,642.20 |

| | | | | |
|-----------|---|--------------|----------|----------------|
| | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | | | |
| | Comment: For bridge segment 1 = 2805 TN For bridge segment 2 = 2805 TN | | | |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22 | 2,806.00 TN | \$136.41 | \$382,766.46 |
| | Comment: For bridge segment 1 = 1403 TN For bridge segment 2 = 1403 TN | | | |
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 27,200.00 LF | \$193.50 | \$5,263,200.00 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|------------|--|---------------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 928.00 EA | \$4.46 | \$4,138.88 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 18.34 GM | \$886.31 | \$16,254.93 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 9.17 GM | \$381.64 | \$3,499.64 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 10,700.00 |
| Noise Barrier Wall Begin Height | 22.00 |
| Noise Barrier Wall End Height | 22.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|------------|--|---------------|------------|-----------------|
| 534-72-101 | SOUND/NOISE BARRIER-INC FOUNDATION, PERM | 235,400.00 SF | \$33.63 | \$7,916,502.00 |

Roadway Component Total \$15,560,559.39

SHOULDER COMPONENT

User Input Data

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 0.00 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Paved Outside Shoulder Width L/R | 0.00 / 0.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips 1/2No. of Sides | 0 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|--|---------------|------------|--------------------|
| 104-10-3 | SEDIMENT BARRIER | 31,464.58 LF | \$1.87 | \$58,838.76 |
| 104-11 | FLOATING TURBIDITY BARRIER | 573.00 LF | \$15.21 | \$8,715.33 |
| 104-12 | STAKED TURBIDITY BARRIER- NYL REINF PVC | 573.00 LF | \$9.50 | \$5,443.50 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 3.00 EA | \$2,083.20 | \$6,249.60 |
| 104-18 | INLET PROTECTION SYSTEM | 14.00 EA | \$107.47 | \$1,504.58 |
| 107-1 | LITTER REMOVAL | 55.56 AC | \$41.03 | \$2,279.63 |
| 107-2 | MOWING | 55.56 AC | \$73.69 | \$4,094.22 |
| Shoulder Component Total | | | | \$87,125.62 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|--|-------------|
| Total Median Width | 0.00 |
| Performance Turf Width | 0.00 |
| Total Median Shoulder Width L/R | 0.00 / 0.00 |
| Paved Median Shoulder Width L/R | 0.00 / 0.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips \bar{i} $\frac{1}{2}$ No. of Sides | 0 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-------------------------------|------------------------------------|---------------|------------|-----------------------|
| 521-1-11 | MEDIAN CONC BARRIER, 38" HEIGHT | 12,100.00 LF | \$103.50 | \$1,252,350.00 |
| Median Component Total | | | | \$1,252,350.00 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|------------------------------|---------------|------------|-----------------|
| 425-1-551 | INLETS, DT BOT, TYPE E, <10' | 110.00 EA | \$6,856.78 | \$754,245.80 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-------------|--|---------------|------------|-----------------|
| 425-1-791 | INLETS, MED BARRIER, TYPE 2, J BOT, <=10' | 55.00 EA | \$5,644.20 | \$310,431.00 |
| 430-175-118 | PIPE CULV, OPT MATL, ROUND, 18"S/CD Comment: Cross drains. | 5,504.00 LF | \$149.25 | \$821,472.00 |
| 430-175-130 | PIPE CULV, OPT MATL, ROUND, 30"S/CD Comment: Main trunk line. | 12,104.00 LF | \$268.84 | \$3,254,039.36 |
| 430-175-172 | PIPE CULV, OPT MATL, ROUND, 72"S/CD | 904.00 LF | \$446.61 | \$403,735.44 |

Comment: 3-72" box culverts at canal crossing

Drainage Component Total

\$5,543,923.60

SIGNING COMPONENT

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 5.00 | AS | \$350.88 | \$1,754.40 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 56.00 | AS | \$1,059.25 | \$59,318.00 |
| 700-2-14 | MULTI- POST SIGN, F&I GM, 31-50 SF | 5.00 | AS | \$4,801.35 | \$24,006.75 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51-100 SF | 14.00 | AS | \$6,694.62 | \$93,724.68 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|---|----------|------|--------------|-----------------|
| 700-3-207 | SIGN PANEL, F&I OM, 201-300 SF Comment: Local exits panels. | 7.00 | EA | \$5,879.77 | \$41,158.39 |
| 700-3-208 | SIGN PANEL, F&I OM, 301-400 SF Comment: I-95 direct connect panel. | 1.00 | EA | \$9,137.52 | \$9,137.52 |
| 700-4-112 | OH STATIC SIGN STR, F&I, C 21-30 FT Comment: Structure for local exits panels. | 7.00 | EA | \$65,034.94 | \$455,244.58 |
| 700-4-113 | OH STATIC SIGN STR, F&I, C 31-40 FT Comment: Structure for EL DMS and I-95 direct connect panels. | 3.00 | EA | \$42,409.29 | \$127,227.87 |
| 700-4-125 | OH STATIC SIGN STR, F&I, S 51-100 FT Comment: Structures for Express Lanes and toll amounts panels. | 5.00 | EA | \$197,000.00 | \$985,000.00 |
| 700-7-132 | EMBED DYNAMIC MESS SIGN, F&I, FULL, 12-20 Comment: T-DMS bricks. | 4.00 | EA | \$27,589.55 | \$110,358.20 |
| 700-8-135 | FRONT ACC DYN MESS SIGN, F&I, FULL, 51-100 Comment: Lane Status DMS. | 3.00 | EA | \$73,326.96 | \$219,980.88 |
| 700-8-136 | FRONT ACC DYN MESS SIGN, F&I, FULL, 101- Comment: Express lanes DMS. | 1.00 | EA | \$104,433.33 | \$104,433.33 |
| 700-9-117 | WALK-IN DYN MESS SIGN, F&I, MONO, 201- Comment: GP Lanes DMS. | 1.00 | EA | \$75,000.00 | \$75,000.00 |

Signing Component Total

\$2,306,344.60

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------|----------|------|------------|-----------------|
|----------|-------------|----------|------|------------|-----------------|

| | | | | |
|-----------|--|--------------|-------------|--------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 7,667.00 LF | \$8.44 | \$64,709.48 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 2,556.00 LF | \$19.02 | \$48,615.12 |
| 633-1-122 | FIBER OPTIC CABLE, F&I, UG,13-48 | 4,646.00 LF | \$3.79 | \$17,608.34 |
| 633-1-124 | FIBER OPTIC CABLE, F&I, UG,97-144 | 9,293.00 LF | \$4.00 | \$37,172.00 |
| 633-2-31 | FIBER OPTIC CONNECTION, INSTALL, SPLICE | 323.00 EA | \$50.86 | \$16,427.78 |
| 633-3-11 | FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE | 16.00 EA | \$938.41 | \$15,014.56 |
| 633-3-12 | FIBER OPTIC CONN HDWR, SPLICE TRAY | 16.00 EA | \$69.54 | \$1,112.64 |
| 633-3-13 | FIBER OPTIC CONN HDWR, PRETERM CONNECT A | 16.00 EA | \$77.50 | \$1,240.00 |
| 633-3-15 | FIBER OPTIC CONN HDWR, PRETERM PATCH PAN | 16.00 EA | \$1,837.83 | \$29,405.28 |
| 633-8-1 | MULTI-CONDUCTOR COMMUNICATION CABLE, F&I | 4,740.00 LF | \$4.24 | \$20,097.60 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 19.00 EA | \$649.86 | \$12,347.34 |
| 635-2-12 | PULL & SPLICE BOX, F&I, 24" X 36" | 16.00 EA | \$1,321.67 | \$21,146.72 |
| 639-1-122 | ELECTRICAL POWER SRV,F&I, UG,PUR CONT | 1.00 AS | \$2,651.78 | \$2,651.78 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 30,666.00 LF | \$4.89 | \$149,956.74 |
| 641-3-169 | CONCRETE CCTV POLE, FUR & INS W/LOW | 4.00 EA | \$29,728.00 | \$118,912.00 |
| 660-3-11 | VEHICLE DETECTION SYSTEM-MICRO,F&I, CAB | 7.00 EA | \$2,250.00 | \$15,750.00 |
| 660-3-12 | VEHICLE DETECTION SYSTEM-MICRO,F&I, ABO | 7.00 EA | \$13,500.00 | \$94,500.00 |
| 676-2-122 | ITS CABINET- F&I, POLE, 336S | 8.00 EA | \$6,600.00 | \$52,800.00 |
| 676-2-143 | ITS CABINET- F&I, BASE, 334 | 8.00 EA | \$10,633.33 | \$85,066.64 |
| 676-2-400 | ITS CABINET- RELOCATE | 2.00 EA | \$2,708.64 | \$5,417.28 |
| 682-1-111 | ITS CCTV CAMERA, F&I, DOME ENCL-PRES. | 4.00 EA | \$7,180.53 | \$28,722.12 |
| 684-1-1 | MANAGED FIELD ETHERNET SWITCH, F&I | 17.00 EA | \$3,751.76 | \$63,779.92 |
| 684-2-1 | DEVICE SERVER, F&I | 7.00 EA | \$1,500.00 | \$10,500.00 |
| 684-3-11 | DIGITAL VIDEO ENC W SO, F&I HARD ENCODER | 4.00 EA | \$2,917.45 | \$11,669.80 |

EX-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---|--|---------------|--------------|-----------------------|
| 639-5-1 | EMERGENCY GENERATOR-PERMANENT, UP TO 25 KW | 2.00 EA | \$39,679.10 | \$79,358.20 |
| 641-2-13 | PREST CNC POLE, F&I, TYP P-III | 7.00 EA | \$9,785.71 | \$68,499.97 |
| 78X-XX-XXX | TOLL GANTRY SYSTEM, 2 LANE | 2.00 EA | \$800,000.00 | \$1,600,000.00 |
| Intelligent Traffic System (ITS) Component Total | | | | \$2,672,481.31 |

BRIDGES COMPONENT**Bridge X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|--|-----------------|------------|------------------|
| 400-3-20 | CONC CLASS III, SEAL Comment: 5.5' depth of concrete for tremie slab for depressed section. | 126,118.00 CY | \$1,368.00 | \$172,529,424.00 |
| 400-4-5 | CONC CLASS IV, SUBSTRUCTURE Comment: 4' depth of concrete for depressed section. | 146,197.00 CY | \$1,158.43 | \$169,358,990.71 |
| 415-1-5 | REINF STEEL- SUBSTRUCTURE Comment: Actual quantity of reinforcing steel is 25259083 lbs. LRE will not allow a value over 10000000 lbs. Multiplied cost by 3 to account for entire reinforcing steel. | 8,419,694.33 LB | \$3.54 | \$29,805,717.93 |
| 451-70 | PREST SOIL ANCHORS Comment: For depressed section. | 4,061.00 EA | \$7,591.08 | \$30,827,375.88 |
| 451-70-1 | PREST SOIL ANCHOR, PERFORMANCE TEST Comment: For depressed section. | 1,015.00 EA | \$2,335.67 | \$2,370,705.05 |
| 451-70-2 | PREST SOIL ANCHOR, CREEP TEST Comment: For depressed section. | 1,015.00 EA | \$2,947.00 | \$2,991,205.00 |
| 455-87 | ANCHOR BAR, STEEL Comment: For depressed section. | 7,480.00 EA | \$1,041.63 | \$7,791,392.40 |
| 455-133-2 | SHEET PILING STEEL, TEMPORARY-CRITICAL Comment: For depressed section. | 700,164.00 SF | \$24.75 | \$17,329,059.00 |

Bridge EX-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|---|-----------------|-----------------|------------------|
| XXX-XX-XX1 | WATERPROOF LINER | 1,080,351.00 SF | \$1.00 | \$1,080,351.00 |
| XXX-XX-XX2 | ADJUSTMENT FOR CONSTRUCTION IN WATER Comment: Based on 10% of construction costs for the depressed section. | 1.00 LS | \$50,937,188.84 | \$50,937,188.84 |
| Bridge Total | | | | \$485,021,409.81 |
| Bridges Component Total | | | | \$485,021,409.81 |

MISCELLANEOUS COMPONENT**X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------------|--|---------------|-------------|-----------------|
| 400-4-11 | CONC CLASS IV, RETAINING WALLS Comment: For depressed section. | 14,340.00 CY | \$1,831.31 | \$26,260,985.40 |
| 448-73 | PUMPING STATION- DRAINAGE | 4.00 LS | \$76,800.00 | \$307,200.00 |
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER Comment: For bridge segment 1 = 32250 SF For bridge segment 2 = 52500 SF | 84,750.00 SF | \$26.74 | \$2,266,215.00 |
| Miscellaneous Component Total | | | | \$28,834,400.40 |

| | | | | |
|-------------------------|--|--|--|------------------|
| Sequence 5 Total | | | | \$565,561,539.65 |
|-------------------------|--|--|--|------------------|

Sequence: 6 MIS - Miscellaneous Construction

Net Length: 2.292 MI
12,102 LF

Description: All bridge sections along SW 10th Street.

BRIDGES COMPONENT

Bridge 1

| | |
|-------------------------------------|-----------------------|
| Description | Value |
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 260.00 |
| Width (LF) | 100.50 |
| Type | Overpass Bridge |
| Cost Factor | 2.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$150.00 |
| Final Cost per SF | \$155.02 |
| Basic Bridge Cost | \$3,919,500.00 |

Description BRIDGE FOR POWERLINE ROAD

Bridge Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|---------------|------------|-----------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 223.33 CY | \$410.22 | \$91,614.43 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 39,082.75 LB | \$1.01 | \$39,473.58 |
| Bridge 1 Total | | | | \$4,050,588.01 |

Bridge 2

| | |
|-------------------------------------|-----------------------|
| Description | Value |
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 291.00 |
| Width (LF) | 100.50 |
| Type | Overpass Bridge |
| Cost Factor | 2.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$150.00 |
| Final Cost per SF | \$154.48 |
| Basic Bridge Cost | \$4,386,825.00 |

Description BRIDGE OVER QUIET WATERS BUSINEDD PARK ACCESS ROAD.

Bridge Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|---------------|------------|-----------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 223.33 CY | \$410.22 | \$91,614.43 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 39,082.75 LB | \$1.01 | \$39,473.58 |
| Bridge 2 Total | | | | \$4,517,913.01 |

Bridge 3

| Description | Value |
|-------------------------------------|-----------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 600.00 |
| Width (LF) | 90.00 |
| Type | Overpass Bridge |
| Cost Factor | 2.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$150.00 |
| Final Cost per SF | \$152.17 |
| Basic Bridge Cost | \$8,100,000.00 |

Description

WEAVING SECTION UNDER SW 30TH AVENUE FROM APPROXIMATE STA. 2080+00 TO STA. 2086+00.

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|-----------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 200.00 | CY | \$410.22 | \$82,044.00 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 35,000.00 | LB | \$1.01 | \$35,350.00 |
| Bridge 3 Total | | | | | \$8,217,394.00 |

Bridge 4

| Description | Value |
|-------------------------------------|-----------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 400.00 |
| Width (LF) | 117.00 |
| Type | Overpass Bridge |
| Cost Factor | 2.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$150.00 |
| Final Cost per SF | \$153.26 |
| Basic Bridge Cost | \$7,020,000.00 |

Description

BRIDGE LEADING TO SW 28TH AVENUE

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|-------------------------------|-----------|------|------------|------------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 260.00 | CY | \$410.22 | \$106,657.20 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 45,500.00 | LB | \$1.01 | \$45,955.00 |
| Bridge 4 Total | | | | | \$7,172,612.20 |
| Bridges Component Total | | | | | \$23,958,507.22 |

Sequence 6 Total

\$23,958,507.22

Draft

Sequence: 7 MIS - Miscellaneous Construction

Net Length: 2.292 MI
12,100 LF

Description: Non-Traffic Bridges.

ROADWAY COMPONENT

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--|---------------|------------|-----------------|
| 120-6 | EMBANKMENT Comment: Each landscaped bridge = 400CY, 3 bridges = 1200 CY | 1,200.00 CY | \$26.21 | \$31,452.00 |
| 570-1-2 | PERFORMANCE TURF, SOD Comment: Each landscaped bridge = 1200 SY, 3 bridges = 3600 SY | 3,600.00 SY | \$3.76 | \$13,536.00 |
| Roadway Component Total | | | | \$44,988.00 |

BRIDGES COMPONENT

Bridge 1

| Description | Value |
|-------------------------------------|-----------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 300.00 |
| Width (LF) | 100.50 |
| Type | Pedestrian Overpass |
| Cost Factor | 1.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$95.00 |
| Factored Cost per SF | \$95.00 |
| Final Cost per SF | \$95.00 |
| Basic Bridge Cost | \$2,864,250.00 |
| Description | LANDSCAPE LID 1 |
| Bridge 1 Total | \$2,864,250.00 |

Bridge 2

| Description | Value |
|-------------------------------------|-----------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 300.00 |
| Width (LF) | 100.50 |
| Type | Pedestrian Overpass |
| Cost Factor | 1.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$95.00 |
| Factored Cost per SF | \$95.00 |
| Final Cost per SF | \$95.00 |
| Basic Bridge Cost | \$2,864,250.00 |
| Description | LANDSCAPE LID 2 |
| Bridge 2 Total | \$2,864,250.00 |

Bridge 3

| Description | Value |
|-------------------------------------|-----------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 300.00 |
| Width (LF) | 100.50 |
| Type | Pedestrian Overpass |
| Cost Factor | 1.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$95.00 |
| Factored Cost per SF | \$95.00 |
| Final Cost per SF | \$95.00 |
| Basic Bridge Cost | \$2,864,250.00 |
| Description | LANDSCAPE LID 3 |
| Bridge 3 Total | \$2,864,250.00 |
| Bridges Component Total | \$8,592,750.00 |
| Sequence 7 Total | \$8,637,738.00 |

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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12 Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 24 Project Grand Total**\$804,845,736.04**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 117 - FULLY DEPRESSED, NORTH ALTERNATIVE, WITH RAMPS. 2019 LRE UPDATE.

Project Sequences Subtotal**\$627,171,745.26**

| | | | |
|-------|------------------------|---------|-----------------|
| 102-1 | Maintenance of Traffic | 10.00 % | \$62,717,174.53 |
| 101-1 | Mobilization | 8.00 % | \$55,191,113.58 |

Project Sequences Total**\$745,080,033.37**

| | | |
|------------------|--------|-----------------|
| Project Unknowns | 0.00 % | \$0.00 |
| Design/Build | 8.00 % | \$59,606,402.67 |

Non-Bid Components:

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|--------------|-----------------|
| 999-16 | PARTNERING (DO NOT BID) | 2.00 | LS | \$3,000.00 | \$6,000.00 |
| 999-25 | INITIAL CONTINGENCY AMOUNT (DO NOT BID) | | LS | \$150,000.00 | \$150,000.00 |
| 999-20-1 | DISPUTES REVIEW BD, MEETING-DO NOT BID | 1 | DA | \$3,300.00 | \$3,300.00 |

Project Non-Bid Subtotal**\$159,300.00****Version 24 Project Grand Total****\$804,845,736.04**

Depressed Westbound Exit Ramp Alternative

Draft

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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12 Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 18 Project Grand Total

\$217,737,571.36

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 237 - WB EXIT RAMP DEPRESSED. 2019 LRE UPDATE.

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 0.796 MI
4,200 LFDescription: SW 10th Street from Florida's Turnpike to Independence Drive (Sta. 2008+00 to Sta. 2042+00)
at-grade roadway.

EARTHWORK COMPONENT

User Input Data

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.796 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|-----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 10.28 | AC | \$32,034.82 | \$329,317.95 |
| 120-6 | EMBANKMENT | 13,056.95 | CY | \$27.17 | \$354,757.33 |

Earthwork Component Total

\$684,075.28

ROADWAY COMPONENT

User Input Data

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 43.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 43,551.82 | SY | \$5.84 | \$254,342.63 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 38,735.55 | SY | \$23.11 | \$895,178.56 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 6,391.37 | TN | \$171.48 | \$1,095,992.13 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 3,195.68 | TN | \$139.13 | \$444,614.96 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|---|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 537.00 | EA | \$4.46 | \$2,395.02 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 6.36 | GM | \$902.22 | \$5,738.12 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 6.36 | GM | \$383.00 | \$2,435.88 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|---|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 3,400.00 | LF | \$193.50 | \$657,900.00 |

Roadway Component Total \$3,358,597.30

SHOULDER COMPONENT

User Input Data

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 4,200.24 | LF | \$27.17 | \$114,120.52 |

| | | | | |
|-------|-------------------------------------|-------------|---------|--------------|
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 2,800.16 SY | \$41.10 | \$115,086.58 |
|-------|-------------------------------------|-------------|---------|--------------|

Erosion Control**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|--|---------------|------------|---------------------|
| 104-10-3 | SEDIMENT BARRIER | 8,400.48 LF | \$1.89 | \$15,876.91 |
| 104-11 | FLOATING TURBIDITY BARRIER | 198.88 LF | \$12.50 | \$2,486.00 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 198.88 LF | \$4.09 | \$813.42 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 41.00 EA | \$101.77 | \$4,172.57 |
| 107-1 | LITTER REMOVAL | 20.25 AC | \$49.70 | \$1,006.42 |
| 107-2 | MOWING | 20.25 AC | \$70.39 | \$1,425.40 |
| Shoulder Component Total | | | | \$257,071.03 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-------------------------------|--------------------------------|---------------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 8,400.48 LF | \$29.08 | \$244,285.96 |
| 570-1-1 | PERFORMANCE TURF | 4,666.93 SY | \$3.13 | \$14,607.49 |
| Median Component Total | | | | \$258,893.45 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|---------------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 14.32 CY | \$1,477.99 | \$21,164.82 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 29.00 EA | \$6,251.47 | \$181,292.63 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 8.00 EA | \$8,530.50 | \$68,244.00 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 4.00 EA | \$5,116.81 | \$20,467.24 |
| 425-2-41 | MANHOLES, P-7, <10' | 4.00 EA | \$5,619.79 | \$22,479.16 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 2,104.00 LF | \$180.20 | \$379,140.80 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 192.00 LF | \$230.43 | \$44,242.56 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 3,984.00 LF | \$372.58 | \$1,484,358.72 |
| 570-1-1 | PERFORMANCE TURF | 241.83 SY | \$3.13 | \$756.93 |
| Drainage Component Total | | | | \$2,222,146.86 |

INTERSECTIONS COMPONENT

Intersection 1

| Description | Value |
|--------------------------------------|---------------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Waterways Boulevard |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 738.74 | CY | \$21.41 | \$15,816.42 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,783.68 | SY | \$5.84 | \$10,416.69 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,783.68 | SY | \$23.11 | \$41,220.84 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 124.41 | TN | \$171.48 | \$21,333.83 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 294.31 | TN | \$171.48 | \$50,468.28 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 147.15 | TN | \$139.13 | \$20,472.98 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 62.20 | TN | \$139.13 | \$8,653.89 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 449.00 | LF | \$27.17 | \$12,199.33 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 249.44 | SY | \$41.10 | \$10,251.98 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 249.44 | SY | \$3.13 | \$780.75 |

Intersection 2

| Description | Value |
|--------------------------------------|--------------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Independence Drive |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------------|---|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 738.74 | CY | \$21.41 | \$15,816.42 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,783.68 | SY | \$5.84 | \$10,416.69 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,783.68 | SY | \$23.11 | \$41,220.84 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 124.41 | TN | \$171.48 | \$21,333.83 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 294.31 | TN | \$171.48 | \$50,468.28 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 62.20 | TN | \$139.13 | \$8,653.89 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 147.15 | TN | \$139.13 | \$20,472.98 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 449.00 | LF | \$27.17 | \$12,199.33 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 249.44 | SY | \$41.10 | \$10,251.98 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 249.44 | SY | \$3.13 | \$780.75 |
| Intersections Component Total | | | | | \$586,083.04 |

SIGNING COMPONENT

| Pay Items | | | | | |
|--------------------------------|--|----------|------|------------|--------------------|
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 20.00 | AS | \$351.72 | \$7,034.40 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 2.00 | AS | \$1,060.06 | \$2,120.12 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 2.00 | AS | \$7,377.86 | \$14,755.72 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101- 200 SF | 2.00 | AS | \$9,107.62 | \$18,215.24 |
| Signing Component Total | | | | | \$42,125.48 |

SIGNALIZATIONS COMPONENT

Signalization 1

| Description | Value |
|-------------|-------------------------------------|
| Type | 6 Lane Mast Arm |
| Multiplier | 1 |
| Description | Waterways Boulevard Intersection |

| Pay Items | | | | | |
|-----------|-------------|----------|------|------------|-----------------|
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |

| | | | | |
|-----------|--|-----------|-------------|--------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 LF | \$8.45 | \$5,915.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 LF | \$18.66 | \$5,598.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 EA | \$641.65 | \$14,116.30 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 LF | \$4.88 | \$292.80 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 AS | \$995.45 | \$19,909.00 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 20.00 EA | \$172.57 | \$3,451.40 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 AS | \$1,322.11 | \$26,442.20 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$259.33 | \$1,037.32 |

Signalization 2

Description

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

Independence Drive Intersection

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--|----------|------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 | LF | \$8.45 | \$5,915.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 | LF | \$18.66 | \$5,598.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 | PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 | EA | \$641.65 | \$14,116.30 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 | AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 | LF | \$4.88 | \$292.80 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 | EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 | EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 | AS | \$995.45 | \$19,909.00 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 2.00 | AS | \$682.09 | \$1,364.18 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 20.00 | EA | \$172.57 | \$3,451.40 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 | AS | \$1,322.11 | \$26,442.20 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 2.00 | EA | \$229.72 | \$459.44 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 | AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 | EA | \$259.33 | \$1,037.32 |

Signalizations Component Total

\$903,072.34

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Value

MIN

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---|-----------------|-------------|-------------------|------------------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 4,200.24 | LF | \$8.45 | \$35,492.03 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 833.68 | LF | \$18.66 | \$15,556.47 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 28.00 | EA | \$641.65 | \$17,966.20 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 15,340.42 | LF | \$2.48 | \$38,044.24 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 28.00 | EA | \$6,040.34 | \$169,129.52 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 28.00 | EA | \$620.69 | \$17,379.32 |
| | Subcomponent Total | | | | \$293,567.78 |
| | Lighting Component Total | | | | \$293,567.78 |

Sequence 1 Total

\$8,605,632.56

Sequence: 2 NDU - New Construction, Divided, Urban**Net Length:** 0.455 MI
2,400 LF**Description:** SW 10th Street from Independence Drive to approximately 1000' east of Powerline Road (Sta. 2042+00 to Sta. 2066+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.454 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 5.86 | AC | \$32,034.82 | \$187,724.05 |
| 120-6 | EMBANKMENT | 7,447.05 | CY | \$27.17 | \$202,336.35 |
| Earthwork Component Total | | | | | \$390,060.40 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 43.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 24,882.84 | SY | \$5.84 | \$145,315.79 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 22,131.12 | SY | \$23.11 | \$511,450.18 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 3,651.63 | TN | \$171.48 | \$626,181.51 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 1,825.82 | TN | \$139.13 | \$254,026.34 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|--|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 307.00 | EA | \$4.46 | \$1,369.22 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 3.64 | GM | \$902.22 | \$3,284.08 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 3.64 | GM | \$383.00 | \$1,394.12 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--------------------------------------|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 2,400.00 | LF | \$193.50 | \$464,400.00 |

Roadway Component Total

\$2,007,421.24

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,399.76 | LF | \$27.17 | \$65,201.48 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 1,599.84 | SY | \$41.10 | \$65,753.42 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 4,799.52 | LF | \$1.89 | \$9,071.09 |
| 104-11 | FLOATING TURBIDITY BARRIER | 113.62 | LF | \$12.50 | \$1,420.25 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 113.62 | LF | \$4.09 | \$464.71 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 24.00 | EA | \$101.77 | \$2,442.48 |
| 107-1 | LITTER REMOVAL | 11.57 | AC | \$49.70 | \$575.03 |
| 107-2 | MOWING | 11.57 | AC | \$70.39 | \$814.41 |

Shoulder Component Total

\$147,826.07

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------------------------|--------------------------------|----------|------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 4,799.52 | LF | \$29.08 | \$139,570.04 |
| 570-1-1 | PERFORMANCE TURF | 2,666.40 | SY | \$3.13 | \$8,345.83 |
| Median Component Total | | | | | \$147,915.87 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|----------|------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 8.18 | CY | \$1,477.99 | \$12,089.96 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 17.00 | EA | \$6,251.47 | \$106,274.99 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 5.00 | EA | \$8,530.50 | \$42,652.50 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 3.00 | EA | \$5,116.81 | \$15,350.43 |
| 425-2-41 | MANHOLES, P-7, <10' | 3.00 | EA | \$5,619.79 | \$16,859.37 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 1,208.00 | LF | \$180.20 | \$217,681.60 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 112.00 | LF | \$230.43 | \$25,808.16 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 2,280.00 | LF | \$372.58 | \$849,482.40 |
| 570-1-1 | PERFORMANCE TURF | 138.17 | SY | \$3.13 | \$432.47 |
| Drainage Component Total | | | | | \$1,286,631.88 |

INTERSECTIONS COMPONENT**Intersection 1**

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 4 |
| Mainline No. of Right Turn Lanes | 2 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 4 |
| Cross Street No. of Left Turn Lanes | 4 |
| Cross Street No. of Right Turn Lanes | 2 |
| Cross Street Design Speed | 45 |
| T-Intersection? | N |
| Multiplier | 1 |
| Description | Powerline Road |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 2.75 | AC | \$32,034.82 | \$88,095.76 |

| | | | | |
|----------|---|-------------|----------|--------------|
| 120-1 | REGULAR EXCAVATION | 2,458.78 CY | \$21.41 | \$52,642.48 |
| 160-4 | TYPE B STABILIZATION | 3,032.31 SY | \$5.84 | \$17,708.69 |
| 160-4 | TYPE B STABILIZATION | 5,936.69 SY | \$5.84 | \$34,670.27 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 3,032.31 SY | \$23.11 | \$70,076.68 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 5,936.69 SY | \$23.11 | \$137,196.91 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 500.33 TN | \$171.48 | \$85,796.59 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 979.55 TN | \$171.48 | \$167,973.23 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 489.78 TN | \$139.13 | \$68,143.09 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 250.17 TN | \$139.13 | \$34,806.15 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 405.68 LF | \$29.08 | \$11,797.17 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 1,058.00 LF | \$27.17 | \$28,745.86 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 570.00 LF | \$44.08 | \$25,125.60 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 370.00 LF | \$44.08 | \$16,309.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 587.78 SY | \$41.10 | \$24,157.76 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 173.89 SY | \$52.59 | \$9,144.88 |
| 570-1-1 | PERFORMANCE TURF | 587.78 SY | \$3.13 | \$1,839.75 |

Intersection 2**Description**

| Description | Value |
|--------------------------------------|--|
| Mainline No. of Left Turn Lanes | 0 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 0 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Intersection leading into Sirius XM Radio building. |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 0.70 | AC | \$32,034.82 | \$22,424.37 |
| 120-1 | REGULAR EXCAVATION | 371.15 | CY | \$21.41 | \$7,946.32 |
| 160-4 | TYPE B STABILIZATION | 595.53 | SY | \$5.84 | \$3,477.90 |
| 160-4 | TYPE B STABILIZATION | 896.13 | SY | \$5.84 | \$5,233.40 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 595.53 | SY | \$23.11 | \$13,762.70 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 896.13 | SY | \$23.11 | \$20,709.56 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 98.26 | TN | \$171.48 | \$16,849.62 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 147.86 | TN | \$171.48 | \$25,355.03 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 73.93 | TN | \$139.13 | \$10,285.88 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 49.13 | TN | \$139.13 | \$6,835.46 |

| | | | | |
|--------------------------------------|--|-----------|---------|-----------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 249.00 LF | \$27.17 | \$6,765.33 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 138.33 SY | \$41.10 | \$5,685.36 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 138.33 SY | \$3.13 | \$432.97 |
| Intersections Component Total | | | | \$1,027,515.83 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|----------|------|------------|--------------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 11.00 | AS | \$351.72 | \$3,868.92 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 1.00 | AS | \$1,060.06 | \$1,060.06 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 1.00 | AS | \$7,377.86 | \$7,377.86 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101- 200 SF | 1.00 | AS | \$9,107.62 | \$9,107.62 |
| Signing Component Total | | | | | \$21,414.46 |

SIGNALIZATIONS COMPONENT**Signalization 1**

| Description | Value |
|-------------|--------------------------------------|
| Type | 6 Lane Mast Arm |
| Multiplier | 1 |
| Description | SW 10th Street and Powerline Road |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|---|----------|------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 | LF | \$8.45 | \$5,915.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 | LF | \$18.66 | \$5,598.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 | PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 | EA | \$641.65 | \$14,116.30 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 | AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 | LF | \$4.88 | \$292.80 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 | EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 | EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 | AS | \$995.45 | \$19,909.00 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 | AS | \$682.09 | \$5,456.72 |
| 660-1-102 | | 20.00 | EA | \$172.57 | \$3,451.40 |

| | | | | |
|---------------------------------------|--|----------|-------------|---------------------|
| | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | | | |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 AS | \$1,322.11 | \$26,442.20 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 EA | \$229.72 | \$1,837.76 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$259.33 | \$1,037.32 |
| Signalizations Component Total | | | | \$457,918.84 |

LIGHTING COMPONENT

Conventional Lighting Subcomponent

| Description | | | | Value |
|---------------------------------|--|---------------|------------|-----------------------|
| Spacing | | | | MIN |
| Pay Items | | | | |
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 2,399.76 LF | \$8.45 | \$20,277.97 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 476.32 LF | \$18.66 | \$8,888.13 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 16.00 EA | \$641.65 | \$10,266.40 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 8,764.58 LF | \$2.48 | \$21,736.16 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I- STD, 40' | 16.00 EA | \$6,040.34 | \$96,645.44 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 16.00 EA | \$620.69 | \$9,931.04 |
| Subcomponent Total | | | | \$167,745.14 |
| Lighting Component Total | | | | \$167,745.14 |
| Sequence 2 Total | | | | \$5,654,449.73 |

Sequence: 3NDU - New Construction, Divided, Urban**Net Length:** 1.155 MI
6,100 LF**Description:** SW 10th Street from approximately 1000' east of Powerline Road to Military Trail (Sta. 2066+00 to Sta. 2127+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 39.75 / 44.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 1.155 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 11.83 | AC | \$32,034.82 | \$378,971.92 |
| 120-6 | EMBANKMENT | 20,325.74 | CY | \$27.17 | \$552,250.36 |
| Earthwork Component Total | | | | | \$931,222.28 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 4 |
| Roadway Pavement Width L/R | 32.00 / 29.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 48,338.98 | SY | \$5.84 | \$282,299.64 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 41,344.34 | SY | \$23.11 | \$955,467.70 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 6,821.82 | TN | \$171.48 | \$1,169,805.69 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 3,410.91 | TN | \$139.13 | \$474,559.91 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 2 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|--|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 468.00 | EA | \$4.46 | \$2,087.28 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 9.24 | GM | \$902.22 | \$8,336.51 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 4.62 | GM | \$383.00 | \$1,769.46 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--------------------------------------|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 6,100.00 | LF | \$193.50 | \$1,180,350.00 |

Roadway Component Total

\$4,074,676.19

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|--------------|
| Total Outside Shoulder Width L/R | 0.00 / 12.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 6,099.98 | LF | \$27.17 | \$165,736.46 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 6,777.76 | SY | \$41.10 | \$278,565.94 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|-----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 12,199.97 | LF | \$1.89 | \$23,057.94 |
| 104-11 | FLOATING TURBIDITY BARRIER | 288.82 | LF | \$12.50 | \$3,610.25 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 288.82 | LF | \$4.09 | \$1,181.27 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 2.00 | EA | \$2,083.20 | \$4,166.40 |
| 104-18 | INLET PROTECTION SYSTEM | 59.00 | EA | \$101.77 | \$6,004.43 |
| 107-1 | LITTER REMOVAL | 29.40 | AC | \$49.70 | \$1,461.18 |
| 107-2 | MOWING | 29.40 | AC | \$70.39 | \$2,069.47 |

Shoulder Component Total

\$485,853.34

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-------------------------------|--------------------------------|---------------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 12,199.97 LF | \$29.08 | \$354,775.13 |
| 570-1-1 | PERFORMANCE TURF | 6,777.76 SY | \$3.13 | \$21,214.39 |
| Median Component Total | | | | \$375,989.52 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|---------------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 20.80 CY | \$1,477.99 | \$30,742.19 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 42.00 EA | \$6,251.47 | \$262,561.74 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 12.00 EA | \$8,530.50 | \$102,366.00 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 6.00 EA | \$5,116.81 | \$30,700.86 |
| 425-2-41 | MANHOLES, P-7, <10' | 6.00 EA | \$5,619.79 | \$33,718.74 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 3,056.00 LF | \$180.20 | \$550,691.20 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 272.00 LF | \$230.43 | \$62,676.96 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 5,784.00 LF | \$372.58 | \$2,155,002.72 |
| 570-1-1 | PERFORMANCE TURF | 351.21 SY | \$3.13 | \$1,099.29 |
| Drainage Component Total | | | | \$3,229,559.70 |

INTERSECTIONS COMPONENT**Intersection 1**

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 30th Avenue |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---------------------|---------------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 AC | \$32,034.82 | \$37,801.09 |

| | | | | |
|----------|---|-------------|----------|-------------|
| 120-1 | REGULAR EXCAVATION | 628.29 CY | \$21.41 | \$13,451.69 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,517.01 SY | \$5.84 | \$8,859.34 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,517.01 SY | \$23.11 | \$35,058.10 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 SY | \$23.11 | \$26,136.72 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 TN | \$171.48 | \$31,999.88 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 250.31 TN | \$171.48 | \$42,923.16 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 TN | \$139.13 | \$12,982.22 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 125.15 TN | \$139.13 | \$17,412.12 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 LF | \$27.17 | \$12,851.41 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 SY | \$41.10 | \$10,800.26 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 262.78 SY | \$3.13 | \$822.50 |

Intersection 2**Description**

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 28th Avenue |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 628.29 | CY | \$21.41 | \$13,451.69 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,517.01 | SY | \$5.84 | \$8,859.34 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,517.01 | SY | \$23.11 | \$35,058.10 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 | TN | \$171.48 | \$31,999.88 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 250.31 | TN | \$171.48 | \$42,923.16 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 | TN | \$139.13 | \$12,982.22 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 125.15 | TN | \$139.13 | \$17,412.12 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |

| | | | | |
|----------|--|-----------|---------|-------------|
| | CONCRETE CURB & GUTTER, TYPE E | | | |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 LF | \$27.17 | \$12,851.41 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 SY | \$41.10 | \$10,800.26 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 262.78 SY | \$3.13 | \$822.50 |

Intersection 3

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 24th Avenue |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------------|---|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 772.70 | CY | \$21.41 | \$16,543.51 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,865.68 | SY | \$5.84 | \$10,895.57 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,865.68 | SY | \$23.11 | \$43,115.86 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 | TN | \$171.48 | \$31,999.88 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 307.84 | TN | \$171.48 | \$52,788.40 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 | TN | \$139.13 | \$12,982.22 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 153.92 | TN | \$139.13 | \$21,414.89 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 | LF | \$27.17 | \$12,851.41 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 | SY | \$41.10 | \$10,800.26 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 262.78 | SY | \$3.13 | \$822.50 |
| Intersections Component Total | | | | | \$892,815.45 |

SIGNING COMPONENT

| Pay Items | | | | | |
|--------------------------------|--------------------------------------|-----------------|-------------|-------------------|------------------------|
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 28.00 | AS | \$351.72 | \$9,848.16 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 3.00 | AS | \$1,060.06 | \$3,180.18 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51-100 SF | 3.00 | AS | \$7,377.86 | \$22,133.58 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101-200 SF | 3.00 | AS | \$9,107.62 | \$27,322.86 |
| Signing Component Total | | | | | \$62,484.78 |

SIGNALIZATIONS COMPONENT

| Signalization 1 | | | | | |
|---------------------------------------|--|-----------------|-------------|-------------------|------------------------|
| Description | Value | | | | |
| Type | 4 Lane Mast Arm | | | | |
| Multiplier | 1 | | | | |
| Description | SW 28th Avenue | | | | |
| Pay Items | | | | | |
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 750.00 | LF | \$8.45 | \$6,337.50 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 250.00 | LF | \$18.66 | \$4,665.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 | PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 16.00 | EA | \$641.65 | \$10,266.40 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 | AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 | LF | \$4.88 | \$292.80 |
| 649-21-10 | STEEL MAST ARM ASSEMBLY, F&I, 60' | 4.00 | EA | \$40,041.33 | \$160,165.32 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 12.00 | AS | \$995.45 | \$11,945.40 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 | AS | \$682.09 | \$5,456.72 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 12.00 | EA | \$172.57 | \$2,070.84 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 12.00 | AS | \$1,322.11 | \$15,865.32 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 | EA | \$229.72 | \$1,837.76 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 | AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 | EA | \$259.33 | \$1,037.32 |
| Signalizations Component Total | | | | | \$256,950.10 |

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

| Description | Value |
|--------------------|--------------|
|--------------------|--------------|

| Spacing | | MIN | | | |
|-------------------------|---|-----------------|-------------|-------------------|------------------------|
| Pay Items | | | | | |
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 6,099.98 | LF | \$8.45 | \$51,544.83 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 1,210.75 | LF | \$18.66 | \$22,592.60 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 41.00 | EA | \$641.65 | \$26,307.65 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 22,278.81 | LF | \$2.48 | \$55,251.45 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 41.00 | EA | \$6,040.34 | \$247,653.94 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 41.00 | EA | \$620.69 | \$25,448.29 |
| | Subcomponent Total | | | | \$428,798.75 |
| | Lighting Component Total | | | | \$428,798.76 |
| <hr/> | | | | | |
| Sequence 3 Total | | | | | \$10,738,350.12 |
| <hr/> | | | | | |

Sequence: 4 NDU - New Construction, Divided, Urban**Net Length:** 0.530 MI
2,800 LF**Description:** Powerline Road from West Drive to approximately 1000' south of SW 10th Street.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 55.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.530 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 7.16 | AC | \$32,034.82 | \$229,369.31 |
| 120-6 | EMBANKMENT | 10,157.16 | CY | \$27.17 | \$275,970.04 |
| Earthwork Component Total | | | | | \$505,339.35 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 40.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 28,099.39 | SY | \$5.84 | \$164,100.44 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 24,888.75 | SY | \$23.11 | \$575,179.01 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 4,106.64 | TN | \$171.48 | \$704,206.63 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 2,053.32 | TN | \$139.13 | \$285,678.41 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|----------|------|------------|-----------------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 358.00 | EA | \$4.46 | \$1,596.68 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 4.24 | GM | \$902.22 | \$3,825.41 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 4.24 | GM | \$383.00 | \$1,623.92 |
| Roadway Component Total | | | | | \$1,736,210.50 |

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 8.25 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 6.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,799.98 | LF | \$27.17 | \$76,075.46 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,799.98 | LF | \$27.17 | \$76,075.46 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 3,733.31 | SY | \$41.10 | \$153,439.04 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|--|----------|------|------------|---------------------|
| 104-10-3 | SEDIMENT BARRIER | 5,599.97 | LF | \$1.89 | \$10,583.94 |
| 104-11 | FLOATING TURBIDITY BARRIER | 132.57 | LF | \$12.50 | \$1,657.12 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 132.57 | LF | \$4.09 | \$542.21 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 28.00 | EA | \$101.77 | \$2,849.56 |
| 107-1 | LITTER REMOVAL | 13.50 | AC | \$49.70 | \$670.95 |
| 107-2 | MOWING | 13.50 | AC | \$70.39 | \$950.27 |
| Shoulder Component Total | | | | | \$324,927.22 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--------------------------------|----------|------|------------|-----------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 5,599.97 | LF | \$29.08 | \$162,847.13 |
| 570-1-1 | PERFORMANCE TURF | 3,111.09 | SY | \$3.13 | \$9,737.71 |

Median Component Total

\$172,584.84

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|----------|------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 9.55 | CY | \$1,477.99 | \$14,114.80 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 20.00 | EA | \$6,251.47 | \$125,029.40 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 6.00 | EA | \$8,530.50 | \$51,183.00 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 3.00 | EA | \$5,116.81 | \$15,350.43 |
| 425-2-41 | MANHOLES, P-7, <10' | 3.00 | EA | \$5,619.79 | \$16,859.37 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 1,408.00 | LF | \$180.20 | \$253,721.60 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 128.00 | LF | \$230.43 | \$29,495.04 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 2,656.00 | LF | \$372.58 | \$989,572.48 |
| 570-1-1 | PERFORMANCE TURF | 161.21 | SY | \$3.13 | \$504.59 |
| Drainage Component Total | | | | | \$1,495,830.71 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--------------------------------------|----------|------|------------|-----------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 13.00 | AS | \$351.72 | \$4,572.36 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 2.00 | AS | \$1,060.06 | \$2,120.12 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51-100 SF | 2.00 | AS | \$7,377.86 | \$14,755.72 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101-200 SF | 2.00 | AS | \$9,107.62 | \$18,215.24 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|----------|------|--------------|---------------------|
| 700-4-111 | OH STATIC SIGN STR, F&I, C UP TO 20 FT | 2.00 | EA | \$42,470.64 | \$84,941.28 |
| 700-4-121 | OH STATIC SIGN STR, F&I, S UP TO 20 FT | 2.00 | EA | \$108,189.34 | \$216,378.68 |
| Signing Component Total | | | | | \$340,983.40 |

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

| Description | | Value | | | |
|-------------|---------------------------------|----------|------------|-----------------|-------------|
| Spacing | | MIN | | | |
| Pay Items | | | | | |
| Pay item | Description | Quantity | Unit Price | Extended Amount | |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 2,799.98 | LF | \$8.45 | \$23,659.83 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 555.75 | LF | \$18.66 | \$10,370.30 |
| 635-2-11 | | 19.00 | EA | \$641.65 | \$12,191.35 |

| | | | | |
|-----------|---|--------------|------------|----------------|
| | PULL & SPLICE BOX, F&I, 13" x 24" | | | |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 10,226.31 LF | \$2.48 | \$25,361.25 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 19.00 EA | \$6,040.34 | \$114,766.46 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 19.00 EA | \$620.69 | \$11,793.11 |
| | Subcomponent Total | | | \$198,142.29 |
| | Lighting Component Total | | | \$198,142.30 |
| <hr/> | | | | |
| | Sequence 4 Total | | | \$4,774,018.32 |
| <hr/> | | | | |

Draft

Sequence: 5NDR - New Construction, Divided, Rural

Net Length: 2.292 MI
12,100 LF

Description: Express Lane section along SW 10th Street from Florida's Turnpike to Military Trail, at-grade.

EARTHWORK COMPONENT

User Input Data

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.50 / 50.50 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.000 |
| Top of Structural Course For Begin Section | 0.00 |
| Top of Structural Course For End Section | 0.00 |
| Horizontal Elevation For Begin Section | 0.00 |
| Horizontal Elevation For End Section | 0.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Roadway Cross Slope L/R | 0.00 % / 0.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 28.06 | AC | \$32,034.82 | \$898,897.05 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------|------------|------|------------|-----------------|
| 120-6 | EMBANKMENT | 250,150.00 | CY | \$27.17 | \$6,796,575.50 |

Earthwork Component Total \$7,695,472.55

ROADWAY COMPONENT

User Input Data

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 4 |
| Roadway Pavement Width L/R | 24.00 / 24.00 |
| Structural Spread Rate | 0 |
| Friction Course Spread Rate | 80 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|------------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 129,068.54 | SY | \$5.84 | \$753,760.27 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 66,308.96 | SY | \$23.11 | \$1,532,400.07 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22 | 2,581.37 | TN | \$139.13 | \$359,146.01 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|------------------------------------|-----------|------|------------|-----------------|
| 521-5-4 | CONC TRAF RAIL- BRG, 32" VERT FACE | 24,200.00 | LF | \$95.12 | \$2,301,904.00 |

Pavement Marking Subcomponent

| Description | Value |
|-------------|-------|
|-------------|-------|

| | |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--|---------------|------------|-----------------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 928.00 EA | \$4.46 | \$4,138.88 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 18.33 GM | \$902.22 | \$16,537.69 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 9.17 GM | \$383.00 | \$3,512.11 |
| Roadway Component Total | | | | \$4,971,399.03 |

SHOULDER COMPONENT

User Input Data

| Description | Value |
|---|---------------|
| Total Outside Shoulder Width L/R | 12.00 / 12.00 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Paved Outside Shoulder Width L/R | 12.00 / 12.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips i ₂ 1/2 No. of Sides | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|---------------|------------|-----------------|
| 285-704 | OPTIONAL BASE,BASE GROUP 04 | 33,154.48 SY | \$21.30 | \$706,190.42 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 1,774.69 TN | \$171.48 | \$304,323.84 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 1,290.69 TN | \$262.36 | \$338,625.43 |
| 546-72-1 | GROUND-IN RUMBLE STRIPS, 16" | 4.58 GM | \$1,205.93 | \$5,523.16 |

Erosion Control

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--|---------------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 31,460.46 LF | \$1.89 | \$59,460.27 |
| 104-11 | FLOATING TURBIDITY BARRIER | 572.93 LF | \$12.50 | \$7,161.62 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 572.93 LF | \$4.09 | \$2,343.28 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 3.00 EA | \$2,083.20 | \$6,249.60 |
| 104-18 | INLET PROTECTION SYSTEM | 14.00 EA | \$101.77 | \$1,424.78 |
| 107-1 | LITTER REMOVAL | 55.55 AC | \$49.70 | \$2,760.84 |
| 107-2 | MOWING | 55.55 AC | \$70.39 | \$3,910.16 |

Shoulder Component Total **\$1,437,973.41**

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|----------------------------------|---------------|
| Total Median Width | 26.00 |
| Performance Turf Width | 0.00 |
| Total Median Shoulder Width L/R | 12.00 / 12.00 |
| Paved Median Shoulder Width L/R | 12.00 / 12.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips 1/2 No. of Sides | 2 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------------------------|--|-----------|------|------------|-----------------------|
| 285-704 | OPTIONAL BASE,BASE GROUP 04 | 33,154.48 | SY | \$21.30 | \$706,190.42 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 1,774.69 | TN | \$171.48 | \$304,323.84 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 1,290.69 | TN | \$262.36 | \$338,625.43 |
| 521-1-11 | MEDIAN CONC BARRIER, 38" HEIGHT | 12,100.00 | LF | \$197.19 | \$2,385,999.00 |
| 546-72-1 | GROUND-IN RUMBLE STRIPS, 16" | 5.00 | GM | \$1,205.93 | \$6,029.65 |
| Median Component Total | | | | | \$3,741,168.34 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|------------------------------|----------|------|------------|-----------------|
| 425-1-551 | INLETS, DT BOT, TYPE E, <10' | 110.00 | EA | \$6,856.78 | \$754,245.80 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|---|-----------|------|------------|-----------------------|
| 425-1-791 | INLETS, MED BARRIER, TYPE 2, J BOT,<=10' | 55.00 | EA | \$5,600.00 | \$308,000.00 |
| 430-175-118 | PIPE CULV, OPT MATL, ROUND, 18"S/CD | 5,560.00 | LF | \$149.67 | \$832,165.20 |
| 430-175-130 | PIPE CULV, OPT MATL, ROUND, 30"S/CD | 12,104.00 | LF | \$268.84 | \$3,254,039.36 |
| 430-175-172 | PIPE CULV, OPT MATL, ROUND, 72"S/CD | 904.00 | LF | \$521.18 | \$471,146.72 |
| Drainage Component Total | | | | | \$5,619,597.08 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|------------|-----------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 5.00 | AS | \$351.72 | \$1,758.60 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12- 20 SF | 56.00 | AS | \$1,060.06 | \$59,363.36 |
| 700-2-14 | MULTI- POST SIGN, F&I GM, 31-50 SF | 5.00 | AS | \$4,857.14 | \$24,285.70 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 14.00 | AS | \$7,377.86 | \$103,290.04 |

Signing Component Total

\$188,697.70

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT**Description of Work****X-Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|--|-----------------|-------------|-------------------|------------------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 7,667.00 | LF | \$8.45 | \$64,786.15 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 2,556.00 | LF | \$18.66 | \$47,694.96 |
| 633-1-122 | FIBER OPTIC CABLE, F&I, UG,13-48 | 4,646.00 | LF | \$3.79 | \$17,608.34 |
| 633-1-124 | FIBER OPTIC CABLE, F&I, UG,97-144 | 9,293.00 | LF | \$4.00 | \$37,172.00 |
| 633-2-31 | FIBER OPTIC CONNECTION, INSTALL, SPLICE | 323.00 | EA | \$51.31 | \$16,573.13 |
| 633-3-11 | FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE | 16.00 | EA | \$942.34 | \$15,077.44 |
| 633-3-12 | FIBER OPTIC CONN HDWR, SPLICE TRAY | 16.00 | EA | \$69.21 | \$1,107.36 |
| 633-3-13 | FIBER OPTIC CONN HDWR, PRETERM CONNECT A | 16.00 | EA | \$77.50 | \$1,240.00 |
| 633-3-15 | FIBER OPTIC CONN HDWR, PRETERM PATCH PAN | 16.00 | EA | \$1,793.95 | \$28,703.20 |
| 633-8-1 | MULTI-CONDUCTOR COMMUNICATION CABLE, F&I | 4,740.00 | LF | \$4.24 | \$20,097.60 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 19.00 | EA | \$641.65 | \$12,191.35 |
| 635-2-12 | PULL & SPLICE BOX, F&I, 24" X 36" | 16.00 | EA | \$1,280.05 | \$20,480.80 |
| 639-1-122 | ELECTRICAL POWER SRV,F&I, UG,PUR CONT | 1.00 | AS | \$2,651.78 | \$2,651.78 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 30,666.00 | LF | \$4.88 | \$149,650.08 |
| 641-3-169 | CONCRETE CCTV POLE, FUR & INS W/LOW | 4.00 | EA | \$29,728.00 | \$118,912.00 |
| 660-3-11 | VEHICLE DETECTION SYSTEM-MICRO,F&I, CAB | 7.00 | EA | \$2,250.00 | \$15,750.00 |
| 660-3-12 | VEHICLE DETECTION SYSTEM-MICRO,F&I, ABO | 7.00 | EA | \$13,500.00 | \$94,500.00 |
| 676-2-122 | ITS CABINET- F&I, POLE, 336S | 8.00 | EA | \$6,600.00 | \$52,800.00 |
| 676-2-143 | ITS CABINET- F&I, BASE, 334 | 8.00 | EA | \$10,633.33 | \$85,066.64 |
| 676-2-400 | ITS CABINET- RELOCATE | 2.00 | EA | \$2,708.64 | \$5,417.28 |
| 682-1-111 | ITS CCTV CAMERA, F&I, DOME ENCL-PRES. | 4.00 | EA | \$7,180.53 | \$28,722.12 |
| 684-1-1 | MANAGED FIELD ETHERNET SWITCH, F&I | 17.00 | EA | \$3,711.50 | \$63,095.50 |
| 684-2-1 | DEVICE SERVER, F&I | 7.00 | EA | \$1,500.00 | \$10,500.00 |
| 684-3-11 | DIGITAL VIDEO ENC W SO, F&I HARD ENCODER | 4.00 | EA | \$2,917.45 | \$11,669.80 |

EX-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|--|-----------------|-------------|-------------------|------------------------|
| 639-5-1 | EMERGENCY GENERATOR-PERMANENT, UP TO 25 KW | 3.00 | EA | \$39,679.10 | \$119,037.30 |

| | | | | |
|---|--------------------------------|---------|--------------|-----------------------|
| 641-2-13 | PREST CNC POLE, F&I, TYP P-III | 7.00 EA | \$9,785.71 | \$68,499.97 |
| 78X-XX-XXX | TOLL GANTRY SYSTEM, 2 LANE | 3.00 EA | \$800,000.00 | \$2,400,000.00 |
| Intelligent Traffic System (ITS) Component Total | | | | \$3,509,004.80 |

LIGHTING COMPONENT

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|---|---------------|------------|---------------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 12,100.00 LF | \$8.45 | \$102,245.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 2,400.00 LF | \$18.66 | \$44,784.00 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 81.00 EA | \$641.65 | \$51,973.65 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 45,000.00 LF | \$2.48 | \$111,600.00 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 81.00 EA | \$6,040.34 | \$489,267.54 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 81.00 EA | \$620.69 | \$50,275.89 |
| Lighting Component Total | | | | \$850,146.08 |

MISCELLANEOUS COMPONENT

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------------|-----------------------------------|---------------|--------------|-----------------------|
| 448-73 | PUMPING STATION- DRAINAGE | 1.00 LS | \$400,000.00 | \$400,000.00 |
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 188,250.00 SF | \$27.97 | \$5,265,352.50 |
| Miscellaneous Component Total | | | | \$5,665,352.50 |

| | | | | |
|-------------------------|--|--|--|------------------------|
| Sequence 5 Total | | | | \$33,678,811.49 |
|-------------------------|--|--|--|------------------------|

Sequence: 6 MIS - Miscellaneous Construction**Net Length:** 2.292 MI
12,100 LF**Description:** All bridge sections along SW 10th Street.**BRIDGES COMPONENT****Bridge 1**

| Description | Value |
|-------------------------------------|------------------------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 265.00 |
| Width (LF) | 101.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$229.56 |
| Basic Bridge Cost | \$6,022,125.00 |
| Description | EXPRESS BRIDGE OVER POWERLINE ROAD |

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|-----------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 224.44 | CY | \$370.90 | \$83,244.80 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 39,277.00 | LB | \$0.99 | \$38,884.23 |
| Bridge 1 Total | | | | | \$6,144,254.03 |

Bridge 2

| Description | Value |
|-------------------------------------|---|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 1,000.00 |
| Width (LF) | 51.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$226.21 |
| Basic Bridge Cost | \$11,475,000.00 |
| Description | EB EXPRESS LANES BRAIDED RAMP AT WATERWAYS BOULEVARD. |

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|------------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 113.33 | CY | \$370.90 | \$42,034.10 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 19,832.75 | LB | \$0.99 | \$19,634.42 |
| Bridge 2 Total | | | | | \$11,536,668.52 |

Bridge 3

| Description | Value |
|-------------------------------------|-----------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 142.00 |
| Width (LF) | 101.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$233.52 |
| Basic Bridge Cost | \$3,226,950.00 |

Description EXPRESS LANES BRIDGE OVER FRONTAGE ROAD

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|-----------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 224.44 | CY | \$370.90 | \$83,244.80 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 39,277.00 | LB | \$0.99 | \$38,884.23 |
| Bridge 3 Total | | | | | \$3,349,079.03 |

Bridge 4

| Description | Value |
|-------------------------------------|------------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 1,000.00 |
| Width (LF) | 63.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$226.21 |
| Basic Bridge Cost | \$14,175,000.00 |

Description EB EXPRESS LANE BRIDGE OVER WB EXIT RAMP

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|------------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 140.00 | CY | \$370.90 | \$51,926.00 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 24,500.00 | LB | \$0.99 | \$24,255.00 |
| Bridge 4 Total | | | | | \$14,251,181.00 |

Bridge 5

| Description | Value |
|--------------------|--------------|
| Estimate Type | SF Estimate |

| | |
|-------------------------------------|----------------------------------|
| Primary Estimate | YES |
| Length (LF) | 610.00 |
| Width (LF) | 30.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$226.98 |
| Basic Bridge Cost | \$4,117,500.00 |
| Description | RAMP A, EB EXPRESS LANE ON-RAMP. |

Bridge Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|-------------------------------|---------------|------------|------------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 66.67 CY | \$370.90 | \$24,727.90 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 11,667.25 LB | \$0.99 | \$11,550.58 |
| Bridge 5 Total | | | | \$4,153,778.48 |
| Bridges Component Total | | | | \$39,434,961.06 |

MISCELLANEOUS COMPONENT

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------------|-----------------------------------|---------------|------------|-----------------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 136,000.00 SF | \$27.97 | \$3,803,920.00 |
| Miscellaneous Component Total | | | | \$3,803,920.00 |

| | | | | |
|-------------------------|--|--|--|------------------------|
| Sequence 6 Total | | | | \$43,238,881.06 |
|-------------------------|--|--|--|------------------------|

Sequence: 7 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** RAMP A AND B**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|---|-------------|
| Standard Clearing and Grubbing Limits L/R | 0.00 / 0.00 |
| Incidental Clearing and Grubbing Area | 0.00 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--------------------|-----------|------|------------|-----------------|
| 120-1 | REGULAR EXCAVATION | 43,335.00 | CY | \$21.41 | \$927,802.35 |
| 120-6 | EMBANKMENT | 14,170.00 | CY | \$27.17 | \$384,998.90 |

Earthwork Component Total \$1,312,801.25**ROADWAY COMPONENT****X-Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 4,530.00 | SY | \$5.84 | \$26,455.20 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 4,080.00 | SY | \$23.11 | \$94,288.80 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 675.00 | TN | \$171.48 | \$115,749.00 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 335.00 | TN | \$139.13 | \$46,608.55 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|---|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 7,270.00 | LF | \$193.50 | \$1,406,745.00 |

Roadway Component Total \$1,689,846.55**BRIDGES COMPONENT****Bridge X-Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--------------------------------|--------------|------|------------|-----------------|
| 400-3-20 | CONC CLASS III, SEAL | 13,900.00 | CY | \$1,368.00 | \$19,015,200.00 |
| 400-4-5 | CONC CLASS IV, SUBSTRUCTURE | 10,110.00 | CY | \$1,112.06 | \$11,242,926.60 |
| 415-1-5 | REINF STEEL- SUBSTRUCTURE | 2,307,510.00 | LB | \$1.18 | \$2,722,861.80 |
| 451-70 | PREST SOIL ANCHORS | 910.00 | EA | \$4,796.99 | \$4,365,260.90 |
| 451-70-1 | | 228.00 | EA | \$1,267.67 | \$289,028.76 |

| | | | | |
|-----------|---|--------------|------------|--------------|
| | PREST SOIL ANCHOR, PERFORMANCE TEST | | | |
| 451-70-2 | PREST SOIL ANCHOR, CREEP TEST | 228.00 EA | \$1,696.43 | \$386,786.04 |
| 455-87 | ANCHOR BAR, STEEL | 910.00 EA | \$1,041.63 | \$947,883.30 |
| 455-133-2 | SHEET PILING STEEL, TEMPORARY-CRITICAL | 34,125.00 SF | \$24.75 | \$844,593.75 |

Bridge EX-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|------------|---|---------------|----------------|-----------------|
| XXX-XX-XX1 | WATERPROOF LINER | 68,250.00 SF | \$1.00 | \$68,250.00 |
| XXX-XX-XX2 | ADJUSTMENT FOR CONSTRUCTION IN WATER | 1.00 LS | \$4,769,576.70 | \$4,769,576.70 |

Comment: Based on 10% of the cost for the depressed section to account for the construction in water.

Bridge Total \$44,652,367.85

Bridges Component Total \$44,652,367.85

MISCELLANEOUS COMPONENT**X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--------------------------------------|---------------|------------|-----------------|
| 400-4-11 | CONC CLASS IV, RETAINING WALLS | 3,160.00 CY | \$1,831.31 | \$5,786,939.60 |
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 25,500.00 SF | \$27.97 | \$713,235.00 |

Miscellaneous Component Total \$6,500,174.60

Sequence 7 Total \$54,155,190.25

Sequence: 8 MIS - Miscellaneous Construction

Net Length: 0.000 MI
0 LF

Description: FRONTAGE ROAD

ROADWAY COMPONENT

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---|---------------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 6,126.00 SY | \$5.84 | \$35,775.84 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 5,880.00 SY | \$23.11 | \$135,886.80 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 970.00 TN | \$171.48 | \$166,335.60 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22 | 485.00 TN | \$139.13 | \$67,478.05 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--------------------------------------|---------------|------------|---------------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 1,760.00 LF | \$193.50 | \$340,560.00 |
| Roadway Component Total | | | | \$746,036.29 |

SHOULDER COMPONENT

User Input Data

| Description | Value |
|-------------|-------|
|-------------|-------|

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|---------------|------------|--------------------|
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 1,345.00 SY | \$52.59 | \$70,733.55 |
| Shoulder Component Total | | | | \$70,733.55 |

Sequence 8 Total **\$816,769.84**

Sequence: 9 MIS - Miscellaneous Construction

Net Length: 0.000 MI
0 LF

Description: NOISE WALLS

ROADWAY COMPONENT

Peripherals Subcomponent

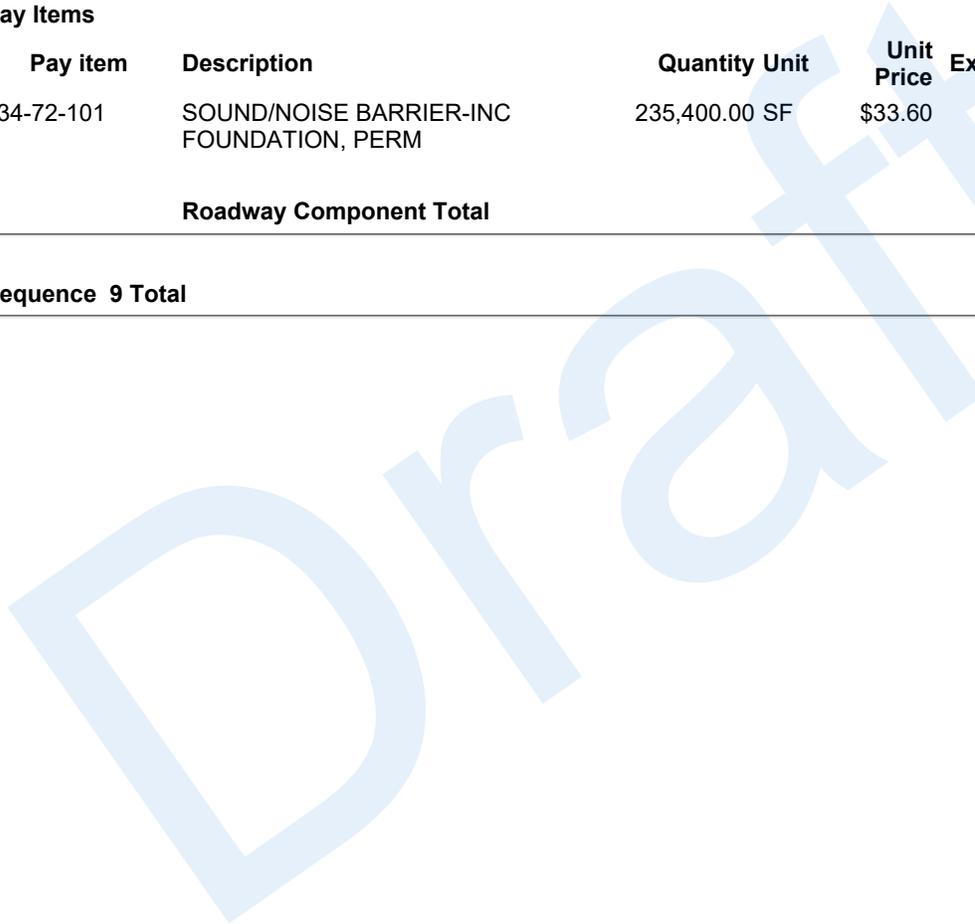
| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 10,700.00 |
| Noise Barrier Wall Begin Height | 22.00 |
| Noise Barrier Wall End Height | 22.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|--|------------|------|------------|-----------------|
| 534-72-101 | SOUND/NOISE BARRIER-INC FOUNDATION, PERM | 235,400.00 | SF | \$33.60 | \$7,909,440.00 |

Roadway Component Total \$7,909,440.00

Sequence 9 Total \$7,909,440.00



Sequence: 10 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Miscellaneous Construction.**ROADWAY COMPONENT****X-Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|-----------------|-------------|-------------------|------------------------|
| 999-20-1 | DISPUTES REVIEW BD, MEETING- DO NOT BID | 1.00 | DA | \$3,300.00 | \$3,300.00 |
| 999-20-2 | DISPUTES REVIEW BD, HEARING- DO NOT BID | 2.00 | EA | \$4,000.00 | \$8,000.00 |
| Roadway Component Total | | | | | \$11,300.00 |
| Sequence 10 Total | | | | | \$11,300.00 |

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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12 Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 18 Project Grand Total**\$217,737,571.36**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 237 - WB EXIT RAMP DEPRESSED. 2019 LRE UPDATE.

Project Sequences Subtotal **\$169,582,843.37**

| | | | |
|-------|------------------------|---------|-----------------|
| 102-1 | Maintenance of Traffic | 10.00 % | \$16,958,284.34 |
| 101-1 | Mobilization | 8.00 % | \$14,923,290.22 |

Project Sequences Total **\$201,464,417.93**

| | | |
|------------------|--------|-----------------|
| Project Unknowns | 0.00 % | \$0.00 |
| Design/Build | 8.00 % | \$16,117,153.43 |

Non-Bid Components:

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|--------------|-----------------|
| 999-16 | PARTNERING (DO NOT BID) | 2.00 | LS | \$3,000.00 | \$6,000.00 |
| 999-25 | INITIAL CONTINGENCY AMOUNT (DO NOT BID) | | LS | \$150,000.00 | \$150,000.00 |

Project Non-Bid Subtotal **\$156,000.00****Version 18 Project Grand Total** **\$217,737,571.36**

Depressed Eastbound Managed Lane Alternative

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Date: 3/26/2019 12:08:21 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD Market Area: 12 Units: English

Contract Class: 9 Lump Sum Project: N Design/Build: Y Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 19 Project Grand Total**\$315,919,220.59**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 242 - EB EXPRESS LANES DEPRESSED UNDER WB EXIT RAMP. 2019 LRE UPDATE.

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 0.796 MI
4,200 LF

Description: SW 10th Street from Florida's Turnpike to Independence Drive (Sta. 2008+00 to Sta. 2042+00) at-grade roadway.

EARTHWORK COMPONENT**User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.796 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|-----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 10.28 | AC | \$32,034.82 | \$329,317.95 |
| 120-6 | EMBANKMENT | 13,056.95 | CY | \$27.17 | \$354,757.33 |

Earthwork Component Total**\$684,075.28****ROADWAY COMPONENT****User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 43.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---|---------------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 43,551.82 SY | \$5.84 | \$254,342.63 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 38,735.55 SY | \$23.11 | \$895,178.56 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 6,391.37 TN | \$171.48 | \$1,095,992.13 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 3,195.68 TN | \$139.13 | \$444,614.96 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|------------|---|---------------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 537.00 EA | \$4.46 | \$2,395.02 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 6.36 GM | \$902.22 | \$5,738.12 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 6.36 GM | \$383.00 | \$2,435.88 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|---|---------------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 3,400.00 LF | \$193.50 | \$657,900.00 |

Roadway Component Total \$3,358,597.30

SHOULDER COMPONENT

User Input Data

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------|---------------|------------|-----------------|
|----------|-------------|---------------|------------|-----------------|

| | | | | |
|----------|--|-------------|---------|--------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 4,200.24 LF | \$27.17 | \$114,120.52 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 2,800.16 SY | \$41.10 | \$115,086.58 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|--|---------------|------------|---------------------|
| 104-10-3 | SEDIMENT BARRIER | 8,400.48 LF | \$1.89 | \$15,876.91 |
| 104-11 | FLOATING TURBIDITY BARRIER | 198.88 LF | \$12.50 | \$2,486.00 |
| 104-12 | STAKED TURBIDITY BARRIER- NYL REINF PVC | 198.88 LF | \$4.09 | \$813.42 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 41.00 EA | \$101.77 | \$4,172.57 |
| 107-1 | LITTER REMOVAL | 20.25 AC | \$49.70 | \$1,006.42 |
| 107-2 | MOWING | 20.25 AC | \$70.39 | \$1,425.40 |
| Shoulder Component Total | | | | \$257,071.03 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-------------------------------|-----------------------------------|---------------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 8,400.48 LF | \$29.08 | \$244,285.96 |
| 570-1-1 | PERFORMANCE TURF | 4,666.93 SY | \$3.13 | \$14,607.49 |
| Median Component Total | | | | \$258,893.45 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|--|---------------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 14.32 CY | \$1,477.99 | \$21,164.82 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 29.00 EA | \$6,251.47 | \$181,292.63 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 8.00 EA | \$8,530.50 | \$68,244.00 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 4.00 EA | \$5,116.81 | \$20,467.24 |
| 425-2-41 | MANHOLES, P-7, <10' | 4.00 EA | \$5,619.79 | \$22,479.16 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 2,104.00 LF | \$180.20 | \$379,140.80 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 192.00 LF | \$230.43 | \$44,242.56 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 3,984.00 LF | \$372.58 | \$1,484,358.72 |
| 570-1-1 | PERFORMANCE TURF | 241.83 SY | \$3.13 | \$756.93 |
| Drainage Component Total | | | | \$2,222,146.86 |

INTERSECTIONS COMPONENT

Intersection 1

| Description | Value |
|--------------------------------------|---------------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Waterways Boulevard |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 738.74 | CY | \$21.41 | \$15,816.42 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,783.68 | SY | \$5.84 | \$10,416.69 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,783.68 | SY | \$23.11 | \$41,220.84 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 124.41 | TN | \$171.48 | \$21,333.83 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 294.31 | TN | \$171.48 | \$50,468.28 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 147.15 | TN | \$139.13 | \$20,472.98 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 62.20 | TN | \$139.13 | \$8,653.89 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 449.00 | LF | \$27.17 | \$12,199.33 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 249.44 | SY | \$41.10 | \$10,251.98 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 249.44 | SY | \$3.13 | \$780.75 |

Intersection 2

| Description | Value |
|--------------------------------------|--------------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Independence Drive |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------------|---|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 738.74 | CY | \$21.41 | \$15,816.42 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,783.68 | SY | \$5.84 | \$10,416.69 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,783.68 | SY | \$23.11 | \$41,220.84 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 124.41 | TN | \$171.48 | \$21,333.83 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 294.31 | TN | \$171.48 | \$50,468.28 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 62.20 | TN | \$139.13 | \$8,653.89 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 147.15 | TN | \$139.13 | \$20,472.98 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 449.00 | LF | \$27.17 | \$12,199.33 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 249.44 | SY | \$41.10 | \$10,251.98 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 249.44 | SY | \$3.13 | \$780.75 |
| Intersections Component Total | | | | | \$586,083.04 |

SIGNING COMPONENT

| Pay Items | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|----------|------|------------|--------------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 20.00 | AS | \$351.72 | \$7,034.40 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 2.00 | AS | \$1,060.06 | \$2,120.12 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 2.00 | AS | \$7,377.86 | \$14,755.72 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101- 200 SF | 2.00 | AS | \$9,107.62 | \$18,215.24 |
| Signing Component Total | | | | | \$42,125.48 |

SIGNALIZATIONS COMPONENT

Signalization 1

| Description | Value |
|-------------|-------------------------------------|
| Type | 6 Lane Mast Arm |
| Multiplier | 1 |
| Description | Waterways Boulevard Intersection |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--|----------|------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 | LF | \$8.45 | \$5,915.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 | LF | \$18.66 | \$5,598.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 | PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 | EA | \$641.65 | \$14,116.30 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 | AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 | LF | \$4.88 | \$292.80 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 | EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 | EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 | AS | \$995.45 | \$19,909.00 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 20.00 | EA | \$172.57 | \$3,451.40 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 | AS | \$1,322.11 | \$26,442.20 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 | AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 | EA | \$259.33 | \$1,037.32 |

Signalization 2**Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

Independence Drive Intersection

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--|----------|------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 | LF | \$8.45 | \$5,915.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 | LF | \$18.66 | \$5,598.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 | PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 | EA | \$641.65 | \$14,116.30 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 | AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 | LF | \$4.88 | \$292.80 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 | EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 | EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 | AS | \$995.45 | \$19,909.00 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 2.00 | AS | \$682.09 | \$1,364.18 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 20.00 | EA | \$172.57 | \$3,451.40 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 | AS | \$1,322.11 | \$26,442.20 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 2.00 | EA | \$229.72 | \$459.44 |
| 670-5-111 | | 1.00 | AS | \$28,696.06 | \$28,696.06 |

| | | | | |
|---------------------------------------|--|---------|----------|---------------------|
| | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | | | |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$259.33 | \$1,037.32 |
| Signalizations Component Total | | | | \$903,072.34 |

LIGHTING COMPONENT

Conventional Lighting Subcomponent

| Description | | Value | | |
|---------------------------------|---|----------------------|-------------------|------------------------|
| Spacing | | MIN | | |
| Pay Items | | | | |
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 4,200.24 LF | \$8.45 | \$35,492.03 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 833.68 LF | \$18.66 | \$15,556.47 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 28.00 EA | \$641.65 | \$17,966.20 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 15,340.42 LF | \$2.48 | \$38,044.24 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 28.00 EA | \$6,040.34 | \$169,129.52 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 28.00 EA | \$620.69 | \$17,379.32 |
| Subcomponent Total | | | | \$293,567.78 |
| Lighting Component Total | | | | \$293,567.78 |
| Sequence 1 Total | | | | \$8,605,632.56 |

Sequence: 2 NDU - New Construction, Divided, Urban**Net Length:** 0.455 MI
2,400 LF**Description:** SW 10th Street from Independence Drive to approximately 1000' east of Powerline Road (Sta. 2042+00 to Sta. 2066+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.454 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------------|-------------|-------------------|------------------------|
| 110-1-1 | CLEARING & GRUBBING | 5.86 | AC | \$32,034.82 | \$187,724.05 |
| 120-6 | EMBANKMENT | 7,447.05 | CY | \$27.17 | \$202,336.35 |
| Earthwork Component Total | | | | | \$390,060.40 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 43.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---|-----------------|-------------|-------------------|------------------------|
| 160-4 | TYPE B STABILIZATION | 24,882.84 | SY | \$5.84 | \$145,315.79 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 22,131.12 | SY | \$23.11 | \$511,450.18 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 3,651.63 | TN | \$171.48 | \$626,181.51 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 1,825.82 | TN | \$139.13 | \$254,026.34 |

Pavement Marking Subcomponent

| Description | Value |
|--|--------------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|--|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 307.00 | EA | \$4.46 | \$1,369.22 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 3.64 | GM | \$902.22 | \$3,284.08 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 3.64 | GM | \$383.00 | \$1,394.12 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--------------------------------------|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 2,400.00 | LF | \$193.50 | \$464,400.00 |

Roadway Component Total

\$2,007,421.24

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,399.76 | LF | \$27.17 | \$65,201.48 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 1,599.84 | SY | \$41.10 | \$65,753.42 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 4,799.52 | LF | \$1.89 | \$9,071.09 |
| 104-11 | FLOATING TURBIDITY BARRIER | 113.62 | LF | \$12.50 | \$1,420.25 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 113.62 | LF | \$4.09 | \$464.71 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 24.00 | EA | \$101.77 | \$2,442.48 |
| 107-1 | LITTER REMOVAL | 11.57 | AC | \$49.70 | \$575.03 |
| 107-2 | MOWING | 11.57 | AC | \$70.39 | \$814.41 |

Shoulder Component Total

\$147,826.07

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------------------------|-----------------------------------|----------|------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 4,799.52 | LF | \$29.08 | \$139,570.04 |
| 570-1-1 | PERFORMANCE TURF | 2,666.40 | SY | \$3.13 | \$8,345.83 |
| Median Component Total | | | | | \$147,915.87 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|--|----------|------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 8.18 | CY | \$1,477.99 | \$12,089.96 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 17.00 | EA | \$6,251.47 | \$106,274.99 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 5.00 | EA | \$8,530.50 | \$42,652.50 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 3.00 | EA | \$5,116.81 | \$15,350.43 |
| 425-2-41 | MANHOLES, P-7, <10' | 3.00 | EA | \$5,619.79 | \$16,859.37 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 1,208.00 | LF | \$180.20 | \$217,681.60 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 112.00 | LF | \$230.43 | \$25,808.16 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 2,280.00 | LF | \$372.58 | \$849,482.40 |
| 570-1-1 | PERFORMANCE TURF | 138.17 | SY | \$3.13 | \$432.47 |
| Drainage Component Total | | | | | \$1,286,631.88 |

INTERSECTIONS COMPONENT**Intersection 1**

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 4 |
| Mainline No. of Right Turn Lanes | 2 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 4 |
| Cross Street No. of Left Turn Lanes | 4 |
| Cross Street No. of Right Turn Lanes | 2 |
| Cross Street Design Speed | 45 |
| T-Intersection? | N |
| Multiplier | 1 |
| Description | Powerline Road |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 2.75 | AC | \$32,034.82 | \$88,095.76 |

| | | | | |
|----------|---|-------------|----------|--------------|
| 120-1 | REGULAR EXCAVATION | 2,458.78 CY | \$21.41 | \$52,642.48 |
| 160-4 | TYPE B STABILIZATION | 3,032.31 SY | \$5.84 | \$17,708.69 |
| 160-4 | TYPE B STABILIZATION | 5,936.69 SY | \$5.84 | \$34,670.27 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 3,032.31 SY | \$23.11 | \$70,076.68 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 5,936.69 SY | \$23.11 | \$137,196.91 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 500.33 TN | \$171.48 | \$85,796.59 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 979.55 TN | \$171.48 | \$167,973.23 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 489.78 TN | \$139.13 | \$68,143.09 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 250.17 TN | \$139.13 | \$34,806.15 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 405.68 LF | \$29.08 | \$11,797.17 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 1,058.00 LF | \$27.17 | \$28,745.86 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 570.00 LF | \$44.08 | \$25,125.60 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 370.00 LF | \$44.08 | \$16,309.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 587.78 SY | \$41.10 | \$24,157.76 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 173.89 SY | \$52.59 | \$9,144.88 |
| 570-1-1 | PERFORMANCE TURF | 587.78 SY | \$3.13 | \$1,839.75 |

Intersection 2**Description**

| Description | Value |
|--------------------------------------|--|
| Mainline No. of Left Turn Lanes | 0 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 0 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Intersection leading into Sirius XM Radio building. |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 0.70 | AC | \$32,034.82 | \$22,424.37 |
| 120-1 | REGULAR EXCAVATION | 371.15 | CY | \$21.41 | \$7,946.32 |
| 160-4 | TYPE B STABILIZATION | 595.53 | SY | \$5.84 | \$3,477.90 |
| 160-4 | TYPE B STABILIZATION | 896.13 | SY | \$5.84 | \$5,233.40 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 595.53 | SY | \$23.11 | \$13,762.70 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 896.13 | SY | \$23.11 | \$20,709.56 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 98.26 | TN | \$171.48 | \$16,849.62 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 147.86 | TN | \$171.48 | \$25,355.03 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 73.93 | TN | \$139.13 | \$10,285.88 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 49.13 | TN | \$139.13 | \$6,835.46 |

| | | | | |
|--------------------------------------|--|-----------|---------|-----------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 249.00 LF | \$27.17 | \$6,765.33 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 138.33 SY | \$41.10 | \$5,685.36 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 138.33 SY | \$3.13 | \$432.97 |
| Intersections Component Total | | | | \$1,027,515.83 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--|---------------|------------|--------------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 11.00 AS | \$351.72 | \$3,868.92 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 1.00 AS | \$1,060.06 | \$1,060.06 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 1.00 AS | \$7,377.86 | \$7,377.86 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101- 200 SF | 1.00 AS | \$9,107.62 | \$9,107.62 |
| Signing Component Total | | | | \$21,414.46 |

SIGNALIZATIONS COMPONENT**Signalization 1**

| Description | Value |
|-------------|--------------------------------------|
| Type | 6 Lane Mast Arm |
| Multiplier | 1 |
| Description | SW 10th Street and Powerline Road |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|---|---------------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 LF | \$8.45 | \$5,915.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 LF | \$18.66 | \$5,598.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 EA | \$641.65 | \$14,116.30 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 LF | \$4.88 | \$292.80 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 AS | \$995.45 | \$19,909.00 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 AS | \$682.09 | \$5,456.72 |
| 660-1-102 | | 20.00 EA | \$172.57 | \$3,451.40 |

| | | | | |
|---------------------------------------|--|----------|-------------|---------------------|
| | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | | | |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 AS | \$1,322.11 | \$26,442.20 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 EA | \$229.72 | \$1,837.76 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$259.33 | \$1,037.32 |
| Signalizations Component Total | | | | \$457,918.84 |

LIGHTING COMPONENT

Conventional Lighting Subcomponent

| Description | | | | Value |
|---------------------------------|--|---------------|------------|-----------------------|
| Spacing | | | | MIN |
| Pay Items | | | | |
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 2,399.76 LF | \$8.45 | \$20,277.97 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 476.32 LF | \$18.66 | \$8,888.13 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 16.00 EA | \$641.65 | \$10,266.40 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 8,764.58 LF | \$2.48 | \$21,736.16 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I- STD, 40' | 16.00 EA | \$6,040.34 | \$96,645.44 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 16.00 EA | \$620.69 | \$9,931.04 |
| Subcomponent Total | | | | \$167,745.14 |
| Lighting Component Total | | | | \$167,745.14 |
| Sequence 2 Total | | | | \$5,654,449.73 |

Sequence: 3NDU - New Construction, Divided, Urban**Net Length:** 1.155 MI
6,100 LF**Description:** SW 10th Street from approximately 1000' east of Powerline Road to Military Trail (Sta. 2066+00 to Sta. 2127+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 39.75 / 44.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 1.155 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 11.83 | AC | \$32,034.82 | \$378,971.92 |
| 120-6 | EMBANKMENT | 20,325.74 | CY | \$27.17 | \$552,250.36 |
| Earthwork Component Total | | | | | \$931,222.28 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 4 |
| Roadway Pavement Width L/R | 32.00 / 29.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 48,338.98 | SY | \$5.84 | \$282,299.64 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 41,344.34 | SY | \$23.11 | \$955,467.70 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 6,821.82 | TN | \$171.48 | \$1,169,805.69 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 3,410.91 | TN | \$139.13 | \$474,559.91 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 2 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|--|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 468.00 | EA | \$4.46 | \$2,087.28 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 9.24 | GM | \$902.22 | \$8,336.51 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 4.62 | GM | \$383.00 | \$1,769.46 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--------------------------------------|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 6,100.00 | LF | \$193.50 | \$1,180,350.00 |

Roadway Component Total

\$4,074,676.19

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|--------------|
| Total Outside Shoulder Width L/R | 0.00 / 12.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 6,099.98 | LF | \$27.17 | \$165,736.46 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 6,777.76 | SY | \$41.10 | \$278,565.94 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|-----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 12,199.97 | LF | \$1.89 | \$23,057.94 |
| 104-11 | FLOATING TURBIDITY BARRIER | 288.82 | LF | \$12.50 | \$3,610.25 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 288.82 | LF | \$4.09 | \$1,181.27 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 2.00 | EA | \$2,083.20 | \$4,166.40 |
| 104-18 | INLET PROTECTION SYSTEM | 59.00 | EA | \$101.77 | \$6,004.43 |
| 107-1 | LITTER REMOVAL | 29.40 | AC | \$49.70 | \$1,461.18 |
| 107-2 | MOWING | 29.40 | AC | \$70.39 | \$2,069.47 |

Shoulder Component Total

\$485,853.34

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-------------------------------|--------------------------------|---------------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 12,199.97 LF | \$29.08 | \$354,775.13 |
| 570-1-1 | PERFORMANCE TURF | 6,777.76 SY | \$3.13 | \$21,214.39 |
| Median Component Total | | | | \$375,989.52 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|---------------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 20.80 CY | \$1,477.99 | \$30,742.19 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 42.00 EA | \$6,251.47 | \$262,561.74 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 12.00 EA | \$8,530.50 | \$102,366.00 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 6.00 EA | \$5,116.81 | \$30,700.86 |
| 425-2-41 | MANHOLES, P-7, <10' | 6.00 EA | \$5,619.79 | \$33,718.74 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 3,056.00 LF | \$180.20 | \$550,691.20 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 272.00 LF | \$230.43 | \$62,676.96 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 5,784.00 LF | \$372.58 | \$2,155,002.72 |
| 570-1-1 | PERFORMANCE TURF | 351.21 SY | \$3.13 | \$1,099.29 |
| Drainage Component Total | | | | \$3,229,559.70 |

INTERSECTIONS COMPONENT**Intersection 1**

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 30th Avenue |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---------------------|---------------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 AC | \$32,034.82 | \$37,801.09 |

| | | | | |
|----------|---|-------------|----------|-------------|
| 120-1 | REGULAR EXCAVATION | 628.29 CY | \$21.41 | \$13,451.69 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,517.01 SY | \$5.84 | \$8,859.34 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,517.01 SY | \$23.11 | \$35,058.10 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 SY | \$23.11 | \$26,136.72 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 TN | \$171.48 | \$31,999.88 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 250.31 TN | \$171.48 | \$42,923.16 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 TN | \$139.13 | \$12,982.22 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 125.15 TN | \$139.13 | \$17,412.12 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 LF | \$27.17 | \$12,851.41 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 SY | \$41.10 | \$10,800.26 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 262.78 SY | \$3.13 | \$822.50 |

Intersection 2**Description**

| | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 28th Avenue |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 628.29 | CY | \$21.41 | \$13,451.69 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,517.01 | SY | \$5.84 | \$8,859.34 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,517.01 | SY | \$23.11 | \$35,058.10 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 | TN | \$171.48 | \$31,999.88 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 250.31 | TN | \$171.48 | \$42,923.16 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 | TN | \$139.13 | \$12,982.22 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 125.15 | TN | \$139.13 | \$17,412.12 |
| 520-1-7 | | 101.42 | LF | \$29.08 | \$2,949.29 |

| | | | | |
|----------|-------------------------------------|-----------|---------|-------------|
| | CONCRETE CURB & GUTTER, TYPE E | | | |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 LF | \$27.17 | \$12,851.41 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 SY | \$41.10 | \$10,800.26 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 262.78 SY | \$3.13 | \$822.50 |

Intersection 3

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 24th Avenue |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------------|---|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 772.70 | CY | \$21.41 | \$16,543.51 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,865.68 | SY | \$5.84 | \$10,895.57 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,865.68 | SY | \$23.11 | \$43,115.86 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 | TN | \$171.48 | \$31,999.88 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 307.84 | TN | \$171.48 | \$52,788.40 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22 | 93.31 | TN | \$139.13 | \$12,982.22 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22 | 153.92 | TN | \$139.13 | \$21,414.89 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 | LF | \$27.17 | \$12,851.41 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 | SY | \$41.10 | \$10,800.26 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 262.78 | SY | \$3.13 | \$822.50 |
| Intersections Component Total | | | | | \$892,815.45 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--------------------------------------|----------|------|------------|--------------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 28.00 | AS | \$351.72 | \$9,848.16 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 3.00 | AS | \$1,060.06 | \$3,180.18 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51-100 SF | 3.00 | AS | \$7,377.86 | \$22,133.58 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101-200 SF | 3.00 | AS | \$9,107.62 | \$27,322.86 |
| Signing Component Total | | | | | \$62,484.78 |

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Value
4 Lane Mast Arm

Multiplier

1

Description

SW 28th Avenue

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------------|--|----------|------|-------------|---------------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 750.00 | LF | \$8.45 | \$6,337.50 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 250.00 | LF | \$18.66 | \$4,665.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 | PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 16.00 | EA | \$641.65 | \$10,266.40 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 | AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 | LF | \$4.88 | \$292.80 |
| 649-21-10 | STEEL MAST ARM ASSEMBLY, F&I, 60' | 4.00 | EA | \$40,041.33 | \$160,165.32 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 12.00 | AS | \$995.45 | \$11,945.40 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 | AS | \$682.09 | \$5,456.72 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 12.00 | EA | \$172.57 | \$2,070.84 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 12.00 | AS | \$1,322.11 | \$15,865.32 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 | EA | \$229.72 | \$1,837.76 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 | AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 | EA | \$259.33 | \$1,037.32 |
| Signalizations Component Total | | | | | \$256,950.10 |

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description****Value**

| Spacing | | MIN | | | |
|-------------------------|---|-----------|------|------------|-----------------|
| Pay Items | | | | | |
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 6,099.98 | LF | \$8.45 | \$51,544.83 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 1,210.75 | LF | \$18.66 | \$22,592.60 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 41.00 | EA | \$641.65 | \$26,307.65 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 22,278.81 | LF | \$2.48 | \$55,251.45 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 41.00 | EA | \$6,040.34 | \$247,653.94 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 41.00 | EA | \$620.69 | \$25,448.29 |
| | Subcomponent Total | | | | \$428,798.75 |
| | Lighting Component Total | | | | \$428,798.76 |
| <hr/> | | | | | |
| Sequence 3 Total | | | | | \$10,738,350.12 |
| <hr/> | | | | | |

Sequence: 4 NDU - New Construction, Divided, Urban**Net Length:** 0.530 MI
2,800 LF**Description:** Powerline Road from West Drive to approximately 1000' south of SW 10th Street.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 55.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.530 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 7.16 | AC | \$32,034.82 | \$229,369.31 |
| 120-6 | EMBANKMENT | 10,157.16 | CY | \$27.17 | \$275,970.04 |
| Earthwork Component Total | | | | | \$505,339.35 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 40.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 28,099.39 | SY | \$5.84 | \$164,100.44 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 24,888.75 | SY | \$23.11 | \$575,179.01 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 4,106.64 | TN | \$171.48 | \$704,206.63 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 2,053.32 | TN | \$139.13 | \$285,678.41 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|----------|------|------------|-----------------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 358.00 | EA | \$4.46 | \$1,596.68 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 4.24 | GM | \$902.22 | \$3,825.41 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 4.24 | GM | \$383.00 | \$1,623.92 |
| Roadway Component Total | | | | | \$1,736,210.50 |

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 8.25 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 6.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,799.98 | LF | \$27.17 | \$76,075.46 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,799.98 | LF | \$27.17 | \$76,075.46 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 3,733.31 | SY | \$41.10 | \$153,439.04 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|--|----------|------|------------|---------------------|
| 104-10-3 | SEDIMENT BARRIER | 5,599.97 | LF | \$1.89 | \$10,583.94 |
| 104-11 | FLOATING TURBIDITY BARRIER | 132.57 | LF | \$12.50 | \$1,657.12 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 132.57 | LF | \$4.09 | \$542.21 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 28.00 | EA | \$101.77 | \$2,849.56 |
| 107-1 | LITTER REMOVAL | 13.50 | AC | \$49.70 | \$670.95 |
| 107-2 | MOWING | 13.50 | AC | \$70.39 | \$950.27 |
| Shoulder Component Total | | | | | \$324,927.22 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--------------------------------|----------|------|------------|-----------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 5,599.97 | LF | \$29.08 | \$162,847.13 |
| 570-1-1 | PERFORMANCE TURF | 3,111.09 | SY | \$3.13 | \$9,737.71 |

Median Component Total

\$172,584.84

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|----------|------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 9.55 | CY | \$1,477.99 | \$14,114.80 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 20.00 | EA | \$6,251.47 | \$125,029.40 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 6.00 | EA | \$8,530.50 | \$51,183.00 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 3.00 | EA | \$5,116.81 | \$15,350.43 |
| 425-2-41 | MANHOLES, P-7, <10' | 3.00 | EA | \$5,619.79 | \$16,859.37 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 1,408.00 | LF | \$180.20 | \$253,721.60 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 128.00 | LF | \$230.43 | \$29,495.04 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 2,656.00 | LF | \$372.58 | \$989,572.48 |
| 570-1-1 | PERFORMANCE TURF | 161.21 | SY | \$3.13 | \$504.59 |
| Drainage Component Total | | | | | \$1,495,830.71 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--------------------------------------|----------|------|------------|-----------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 13.00 | AS | \$351.72 | \$4,572.36 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 2.00 | AS | \$1,060.06 | \$2,120.12 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51-100 SF | 2.00 | AS | \$7,377.86 | \$14,755.72 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101-200 SF | 2.00 | AS | \$9,107.62 | \$18,215.24 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|----------|------|--------------|---------------------|
| 700-4-111 | OH STATIC SIGN STR, F&I, C UP TO 20 FT | 2.00 | EA | \$42,470.64 | \$84,941.28 |
| 700-4-121 | OH STATIC SIGN STR, F&I, S UP TO 20 FT | 2.00 | EA | \$108,189.34 | \$216,378.68 |
| Signing Component Total | | | | | \$340,983.40 |

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

| Description | | Value | | | |
|-------------|---------------------------------|----------|------|------------|-----------------|
| Spacing | | MIN | | | |
| Pay Items | | | | | |
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 2,799.98 | LF | \$8.45 | \$23,659.83 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 555.75 | LF | \$18.66 | \$10,370.30 |
| 635-2-11 | | 19.00 | EA | \$641.65 | \$12,191.35 |

| | | | | |
|-----------|---|--------------|------------|----------------|
| | PULL & SPLICE BOX, F&I, 13" x 24" | | | |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 10,226.31 LF | \$2.48 | \$25,361.25 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 19.00 EA | \$6,040.34 | \$114,766.46 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 19.00 EA | \$620.69 | \$11,793.11 |
| | Subcomponent Total | | | \$198,142.29 |
| | Lighting Component Total | | | \$198,142.30 |
| <hr/> | | | | |
| | Sequence 4 Total | | | \$4,774,018.32 |
| <hr/> | | | | |

Draft

Sequence: 5NDR - New Construction, Divided, Rural**Net Length:** 1.458 MI
7,700 LF**Description:** Express Lane section along SW 10th Street from Florida's Turnpike the depressed section, at-grade.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.50 / 50.50 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.000 |
| Top of Structural Course For Begin Section | 0.00 |
| Top of Structural Course For End Section | 0.00 |
| Horizontal Elevation For Begin Section | 0.00 |
| Horizontal Elevation For End Section | 0.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Roadway Cross Slope L/R | 0.00 % / 0.00 % |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---------------------|---------------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 17.85 AC | \$32,034.82 | \$571,821.54 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------|---------------|------------|-----------------|
| 120-6 | EMBANKMENT | 214,735.00 CY | \$27.17 | \$5,834,349.95 |

| | | | | |
|----------------------------------|--|--|--|-----------------------|
| Earthwork Component Total | | | | \$6,406,171.49 |
|----------------------------------|--|--|--|-----------------------|

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 4 |
| Roadway Pavement Width L/R | 24.00 / 24.00 |
| Structural Spread Rate | 0 |
| Friction Course Spread Rate | 80 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---|---------------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 82,131.46 SY | \$5.84 | \$479,647.73 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 42,195.04 SY | \$23.11 | \$975,127.37 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22 | 1,642.63 TN | \$139.13 | \$228,539.11 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|------------------------------------|---------------|------------|-----------------|
| 521-5-4 | CONC TRAF RAIL- BRG, 32" VERT FACE | 15,400.00 LF | \$95.12 | \$1,464,848.00 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|---|---------------|------------|-----------------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 591.00 EA | \$4.46 | \$2,635.86 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 11.67 GM | \$902.22 | \$10,528.91 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 5.83 GM | \$383.00 | \$2,232.89 |
| Roadway Component Total | | | | \$3,163,559.87 |

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|---------------|
| Total Outside Shoulder Width L/R | 12.00 / 12.00 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Paved Outside Shoulder Width L/R | 12.00 / 12.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips i ₂ 1/2 No. of Sides | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--|---------------|------------|-----------------|
| 285-704 | OPTIONAL BASE,BASE GROUP 04 | 21,097.52 SY | \$21.30 | \$449,377.18 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 1,129.31 TN | \$171.48 | \$193,654.08 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 821.31 TN | \$262.36 | \$215,478.89 |
| 546-72-1 | GROUND-IN RUMBLE STRIPS, 16" | 2.92 GM | \$1,205.93 | \$3,521.32 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--|---------------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 20,019.54 LF | \$1.89 | \$37,836.93 |
| 104-11 | FLOATING TURBIDITY BARRIER | 364.58 LF | \$12.50 | \$4,557.25 |
| 104-12 | STAKED TURBIDITY BARRIER- NYL REINF PVC | 364.58 LF | \$4.09 | \$1,491.13 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 2.00 EA | \$2,083.20 | \$4,166.40 |
| 104-18 | INLET PROTECTION SYSTEM | 9.00 EA | \$101.77 | \$915.93 |
| 107-1 | LITTER REMOVAL | 35.35 AC | \$49.70 | \$1,756.90 |
| 107-2 | MOWING | 35.35 AC | \$70.39 | \$2,488.29 |

Shoulder Component Total**\$915,244.30**

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|--|---------------|
| Total Median Width | 26.00 |
| Performance Turf Width | 0.00 |
| Total Median Shoulder Width L/R | 12.00 / 12.00 |
| Paved Median Shoulder Width L/R | 12.00 / 12.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips i _c ½No. of Sides | 2 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------------------------|--|-----------|------|------------|-----------------------|
| 285-704 | OPTIONAL BASE,BASE GROUP 04 | 21,097.52 | SY | \$21.30 | \$449,377.18 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 1,129.31 | TN | \$171.48 | \$193,654.08 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 821.31 | TN | \$262.36 | \$215,478.89 |
| 521-1-11 | MEDIAN CONC BARRIER, 38" HEIGHT | 7,700.00 | LF | \$197.19 | \$1,518,363.00 |
| 546-72-1 | GROUND-IN RUMBLE STRIPS, 16" | 3.00 | GM | \$1,205.93 | \$3,617.79 |
| Median Component Total | | | | | \$2,380,490.94 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|------------------------------|----------|------|------------|-----------------|
| 425-1-551 | INLETS, DT BOT, TYPE E, <10' | 110.00 | EA | \$6,856.78 | \$754,245.80 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|--|-----------|------|------------|-----------------------|
| 430-175-118 | PIPE CULV, OPT MATL, ROUND, 18"S/CD | 5,560.00 | LF | \$149.67 | \$832,165.20 |
| 430-175-130 | PIPE CULV, OPT MATL, ROUND, 30"S/CD | 12,104.00 | LF | \$268.84 | \$3,254,039.36 |
| 430-175-172 | PIPE CULV, OPT MATL, ROUND, 72"S/CD | 904.00 | LF | \$521.18 | \$471,146.72 |
| Drainage Component Total | | | | | \$5,311,597.08 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|------------|-----------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 3.00 | AS | \$351.72 | \$1,055.16 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12- 20 SF | 35.00 | AS | \$1,060.06 | \$37,102.10 |
| 700-2-14 | MULTI- POST SIGN, F&I GM, 31-50 SF | 3.00 | AS | \$4,857.14 | \$14,571.42 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 9.00 | AS | \$7,377.86 | \$66,400.74 |

Signing Component Total

\$119,129.42

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT**Description of Work****X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------------|--|----------------------|-------------------|------------------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 7,667.00 LF | \$8.45 | \$64,786.15 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 2,556.00 LF | \$18.66 | \$47,694.96 |
| 633-1-122 | FIBER OPTIC CABLE, F&I, UG,13-48 | 4,646.00 LF | \$3.79 | \$17,608.34 |
| 633-1-124 | FIBER OPTIC CABLE, F&I, UG,97-144 | 9,293.00 LF | \$4.00 | \$37,172.00 |
| 633-2-31 | FIBER OPTIC CONNECTION, INSTALL, SPLICE | 323.00 EA | \$51.31 | \$16,573.13 |
| 633-3-11 | FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE | 16.00 EA | \$942.34 | \$15,077.44 |
| 633-3-12 | FIBER OPTIC CONN HDWR, SPLICE TRAY | 16.00 EA | \$69.21 | \$1,107.36 |
| 633-3-13 | FIBER OPTIC CONN HDWR, PRETERM CONNECT A | 16.00 EA | \$77.50 | \$1,240.00 |
| 633-3-15 | FIBER OPTIC CONN HDWR, PRETERM PATCH PAN | 16.00 EA | \$1,793.95 | \$28,703.20 |
| 633-8-1 | MULTI-CONDUCTOR COMMUNICATION CABLE, F&I | 4,740.00 LF | \$4.24 | \$20,097.60 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 19.00 EA | \$641.65 | \$12,191.35 |
| 635-2-12 | PULL & SPLICE BOX, F&I, 24" X 36" | 16.00 EA | \$1,280.05 | \$20,480.80 |
| 639-1-122 | ELECTRICAL POWER SRV,F&I, UG,PUR CONT | 1.00 AS | \$2,651.78 | \$2,651.78 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 30,666.00 LF | \$4.88 | \$149,650.08 |
| 641-3-169 | CONCRETE CCTV POLE, FUR & INS W/LOW | 4.00 EA | \$29,728.00 | \$118,912.00 |
| 660-3-11 | VEHICLE DETECTION SYSTEM-MICRO,F&I, CAB | 7.00 EA | \$2,250.00 | \$15,750.00 |
| 660-3-12 | VEHICLE DETECTION SYSTEM-MICRO,F&I, ABO | 7.00 EA | \$13,500.00 | \$94,500.00 |
| 676-2-122 | ITS CABINET- F&I, POLE, 336S | 8.00 EA | \$6,600.00 | \$52,800.00 |
| 676-2-143 | ITS CABINET- F&I, BASE, 334 | 8.00 EA | \$10,633.33 | \$85,066.64 |
| 676-2-400 | ITS CABINET- RELOCATE | 2.00 EA | \$2,708.64 | \$5,417.28 |
| 682-1-111 | ITS CCTV CAMERA, F&I, DOME ENCL-PRES. | 4.00 EA | \$7,180.53 | \$28,722.12 |
| 684-1-1 | MANAGED FIELD ETHERNET SWITCH, F&I | 17.00 EA | \$3,711.50 | \$63,095.50 |
| 684-2-1 | DEVICE SERVER, F&I | 7.00 EA | \$1,500.00 | \$10,500.00 |
| 684-3-11 | DIGITAL VIDEO ENC W SO, F&I HARD ENCODER | 4.00 EA | \$2,917.45 | \$11,669.80 |

EX-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------------|--|----------------------|-------------------|------------------------|
| 639-5-1 | EMERGENCY GENERATOR-PERMANENT, UP TO 25 KW | 3.00 EA | \$39,679.10 | \$119,037.30 |

| | | | | |
|---|--------------------------------|---------|--------------|-----------------------|
| 641-2-13 | PREST CNC POLE, F&I, TYP P-III | 7.00 EA | \$9,785.71 | \$68,499.97 |
| 78X-XX-XXX | TOLL GANTRY SYSTEM, 2 LANE | 3.00 EA | \$800,000.00 | \$2,400,000.00 |
| Intelligent Traffic System (ITS) Component Total | | | | \$3,509,004.80 |

LIGHTING COMPONENT

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|---|---------------|------------|---------------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 12,100.00 LF | \$8.45 | \$102,245.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 2,400.00 LF | \$18.66 | \$44,784.00 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 81.00 EA | \$641.65 | \$51,973.65 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 45,000.00 LF | \$2.48 | \$111,600.00 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 81.00 EA | \$6,040.34 | \$489,267.54 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 81.00 EA | \$620.69 | \$50,275.89 |
| Lighting Component Total | | | | \$850,146.08 |

MISCELLANEOUS COMPONENT

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------------|-----------------------------------|---------------|--------------|-----------------------|
| 448-73 | PUMPING STATION- DRAINAGE | 1.00 LS | \$400,000.00 | \$400,000.00 |
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 150,750.00 SF | \$27.97 | \$4,216,477.50 |
| Miscellaneous Component Total | | | | \$4,616,477.50 |

| | | | | |
|-------------------------|--|--|--|------------------------|
| Sequence 5 Total | | | | \$27,271,821.48 |
|-------------------------|--|--|--|------------------------|

Sequence: 6NDR - New Construction, Divided, Rural**Net Length:** 0.568 MI
3,000 LF**Description:** WB Express Lanes through EB Depressed section.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.50 / 0.00 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.000 |
| Top of Structural Course For Begin Section | 105.00 |
| Top of Structural Course For End Section | 105.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 6 to 1 / 6 to 1 |
| Median Slope L/R | 6 to 1 / 6 to 1 |
| Median Shoulder Cross Slope L/R | 5.00 % / 5.00 % |
| Outside Shoulder Cross Slope L/R | 6.00 % / 6.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 3.48 | AC | \$32,034.82 | \$111,481.17 |
| Earthwork Component Total | | | | | \$111,481.17 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|--------------|
| Number of Lanes | 2 |
| Roadway Pavement Width L/R | 24.00 / 0.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 80 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 16,000.51 | SY | \$5.84 | \$93,442.98 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 8,220.26 | SY | \$23.11 | \$189,970.21 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 1,320.04 | TN | \$171.48 | \$226,360.46 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 320.01 | TN | \$262.36 | \$83,957.82 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 2 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 0 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|------------|--|---------------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 77.00 EA | \$4.46 | \$343.42 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 2.27 GM | \$902.22 | \$2,048.04 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--------------------------------------|---------------|------------|-----------------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 6,000.00 LF | \$193.50 | \$1,161,000.00 |
| Roadway Component Total | | | | \$1,757,122.93 |

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|--------------|
| Total Outside Shoulder Width L/R | 12.00 / 0.00 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Paved Outside Shoulder Width L/R | 12.00 / 0.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips i ₂ ½No. of Sides | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|---------------|------------|-----------------|
| 285-704 | OPTIONAL BASE,BASE GROUP 04 | 4,110.13 SY | \$21.30 | \$87,545.77 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 220.01 TN | \$171.48 | \$37,727.31 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 160.01 TN | \$262.36 | \$41,980.22 |
| 546-72-1 | GROUND-IN RUMBLE STRIPS, 16" | 1.14 GM | \$1,205.93 | \$1,374.76 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--|---------------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 7,800.25 LF | \$1.89 | \$14,742.47 |
| 104-11 | FLOATING TURBIDITY BARRIER | 142.05 LF | \$12.50 | \$1,775.62 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 142.05 LF | \$4.09 | \$580.98 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 4.00 EA | \$101.77 | \$407.08 |

| | | | | |
|---------------------------------|----------------|----------|---------|---------------------|
| 107-1 | LITTER REMOVAL | 13.77 AC | \$49.70 | \$684.37 |
| 107-2 | MOWING | 13.77 AC | \$70.39 | \$969.27 |
| Shoulder Component Total | | | | \$189,871.06 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|--|--------------|
| Total Median Width | 12.00 |
| Performance Turf Width | 0.00 |
| Total Median Shoulder Width L/R | 0.00 / 12.00 |
| Paved Median Shoulder Width L/R | 0.00 / 12.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips $\frac{1}{2}$ No. of Sides | 0 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------------------------|--|-----------------|-------------|-------------------|------------------------|
| 285-704 | OPTIONAL BASE,BASE GROUP 04 | 4,110.13 | SY | \$21.30 | \$87,545.77 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 220.01 | TN | \$171.48 | \$37,727.31 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 160.01 | TN | \$262.36 | \$41,980.22 |
| 521-1-11 | MEDIAN CONC BARRIER, 38" HEIGHT | 7,700.00 | LF | \$197.19 | \$1,518,363.00 |
| Median Component Total | | | | | \$1,685,616.30 |

| | | | | | |
|-------------------------|--|--|--|--|-----------------------|
| Sequence 6 Total | | | | | \$3,744,091.46 |
|-------------------------|--|--|--|--|-----------------------|

Sequence: 7 NDR - New Construction, Divided, Rural**Net Length:** 0.568 MI
3,000 LF**Description:** EB Express Lanes (Depressed Section).**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 0.00 / 50.50 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.000 |
| Top of Structural Course For Begin Section | 105.00 |
| Top of Structural Course For End Section | 105.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 6 to 1 / 6 to 1 |
| Median Slope L/R | 6 to 1 / 6 to 1 |
| Median Shoulder Cross Slope L/R | 5.00 % / 5.00 % |
| Outside Shoulder Cross Slope L/R | 6.00 % / 6.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---------------------|---------------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 3.48 AC | \$32,034.82 | \$111,481.17 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--------------------|---------------|------------|-----------------|
| 120-1 | REGULAR EXCAVATION | 105,000.00 CY | \$21.41 | \$2,248,050.00 |

| | | | | |
|----------------------------------|--|--|--|-----------------------|
| Earthwork Component Total | | | | \$2,359,531.17 |
|----------------------------------|--|--|--|-----------------------|

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|-------------|
| Number of Lanes | 2 |
| Roadway Pavement Width L/R | 0.00 / 0.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 110 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 2 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 0 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|------------|--|---------------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 77.00 EA | \$4.46 | \$343.42 |
| 710-11-101 | | 2.27 GM | \$902.22 | \$2,048.04 |

PAINTED PAVT
MARK,STD,WHITE,SOLID,6"

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--------------------------------------|---------------|------------|-----------------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 6,000.00 LF | \$193.50 | \$1,161,000.00 |
| Roadway Component Total | | | | \$1,163,391.46 |

BRIDGES COMPONENT**Bridge X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|--|-----------------|------------|-----------------|
| 400-3-20 | CONC CLASS III, SEAL | 38,500.00 CY | \$1,368.00 | \$52,668,000.00 |
| 400-4-5 | CONC CLASS IV, SUBSTRUCTURE | 28,000.00 CY | \$1,112.06 | \$31,137,680.00 |
| 415-1-5 | REINF STEEL- SUBSTRUCTURE | 6,390,040.00 LB | \$1.18 | \$7,540,247.20 |
| 451-70 | PREST SOIL ANCHORS | 1,800.00 EA | \$4,796.99 | \$8,634,582.00 |
| 451-70-1 | PREST SOIL ANCHOR, PERFORMANCE TEST | 450.00 EA | \$1,267.67 | \$570,451.50 |
| 451-70-2 | PREST SOIL ANCHOR, CREEP TEST | 450.00 EA | \$1,696.43 | \$763,393.50 |
| 455-87 | ANCHOR BAR, STEEL | 1,800.00 EA | \$1,041.63 | \$1,874,934.00 |
| 455-133-2 | SHEET PILING STEEL, TEMPORARY-CRITICAL | 450,000.00 SF | \$24.75 | \$11,137,500.00 |

Bridge EX-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|------------|--------------------------------------|---------------|-----------------|-----------------|
| XXX-XX-XX1 | WATERPROOF LINER | 189,000.00 SF | \$1.00 | \$189,000.00 |
| XXX-XX-XX2 | ADJUSTMENT FOR CONSTRUCTION IN WATER | 1.00 LS | \$12,440,040.09 | \$12,440,040.09 |

Comment: Based on 10% of the cost for the depressed section to account for construction in water.

Bridge Total \$126,955,828.29

Bridges Component Total \$126,955,828.29

MISCELLANEOUS COMPONENT**X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--------------------------------|---------------|------------|-----------------|
| 400-4-11 | CONC CLASS IV, RETAINING WALLS | 4,170.00 CY | \$1,831.31 | \$7,636,562.70 |

| | |
|--------------------------------------|------------------|
| Miscellaneous Component Total | \$7,636,562.70 |
| <hr/> | |
| Sequence 7 Total | \$138,115,313.62 |
| <hr/> | |

Draft

Sequence: 8NDR - New Construction, Divided, Rural**Net Length:** 0.265 MI
1,400 LF**Description:** Express Lanes (EB and WB) from depressed section to Military Trail.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.50 / 50.50 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.000 |
| Top of Structural Course For Begin Section | 105.00 |
| Top of Structural Course For End Section | 105.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 6 to 1 / 6 to 1 |
| Median Slope L/R | 6 to 1 / 6 to 1 |
| Median Shoulder Cross Slope L/R | 5.00 % / 5.00 % |
| Outside Shoulder Cross Slope L/R | 6.00 % / 6.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 3.24 | AC | \$32,034.82 | \$103,792.82 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------|-----------|------|------------|-----------------|
| 120-6 | EMBANKMENT | 37,500.00 | CY | \$27.17 | \$1,018,875.00 |

| | | | | | |
|----------------------------------|--|--|--|--|-----------------------|
| Earthwork Component Total | | | | | \$1,122,667.82 |
|----------------------------------|--|--|--|--|-----------------------|

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 4 |
| Roadway Pavement Width L/R | 24.00 / 24.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 110 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 14,936.06 | SY | \$5.84 | \$87,226.59 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 7,673.40 | SY | \$23.11 | \$177,332.27 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 1,232.23 | TN | \$171.48 | \$211,302.80 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 410.74 | TN | \$262.36 | \$107,761.75 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |

| | |
|---------------------------------------|---|
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|------------|--|---------------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 107.00 EA | \$4.46 | \$477.22 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 2.12 GM | \$902.22 | \$1,912.71 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 1.06 GM | \$383.00 | \$405.98 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|--------------------------------------|---------------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 2,800.00 LF | \$193.50 | \$541,800.00 |

Roadway Component Total \$1,128,219.32

SHOULDER COMPONENT

User Input Data

| Description | Value |
|---|---------------|
| Total Outside Shoulder Width L/R | 12.00 / 12.00 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Paved Outside Shoulder Width L/R | 12.00 / 12.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips 1/2 No. of Sides | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|---------------|------------|-----------------|
| 285-704 | OPTIONAL BASE,BASE GROUP 04 | 3,836.70 SY | \$21.30 | \$81,721.71 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 205.37 TN | \$171.48 | \$35,216.85 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 149.36 TN | \$262.36 | \$39,186.09 |
| 546-72-1 | GROUND-IN RUMBLE STRIPS, 16" | 0.53 GM | \$1,205.93 | \$639.14 |

Erosion Control

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|------------------|---------------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 3,640.67 LF | \$1.89 | \$6,880.87 |

| | | | | |
|---------------------------------|--|----------|------------|---------------------|
| 104-11 | FLOATING TURBIDITY BARRIER | 66.30 LF | \$12.50 | \$828.75 |
| 104-12 | STAKED TURBIDITY BARRIER- NYL REINF PVC | 66.30 LF | \$4.09 | \$271.17 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 2.00 EA | \$101.77 | \$203.54 |
| 107-1 | LITTER REMOVAL | 6.43 AC | \$49.70 | \$319.57 |
| 107-2 | MOWING | 6.43 AC | \$70.39 | \$452.61 |
| Shoulder Component Total | | | | \$167,803.50 |

MEDIAN COMPONENT

User Input Data

| Description | Value |
|--------------------------------------|---------------|
| Total Median Width | 24.00 |
| Performance Turf Width | 0.00 |
| Total Median Shoulder Width L/R | 12.00 / 12.00 |
| Paved Median Shoulder Width L/R | 12.00 / 12.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips i_c 1/2 No. of Sides | 2 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------------------------|--|----------|------|------------|---------------------|
| 285-704 | OPTIONAL BASE,BASE GROUP 04 | 3,836.70 | SY | \$21.30 | \$81,721.71 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 205.37 | TN | \$171.48 | \$35,216.85 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 149.36 | TN | \$262.36 | \$39,186.09 |
| 546-72-1 | GROUND-IN RUMBLE STRIPS, 16" | 1.00 | GM | \$1,205.93 | \$1,205.93 |
| Median Component Total | | | | | \$157,330.58 |

| | |
|-------------------------|-----------------------|
| Sequence 8 Total | \$2,576,021.22 |
|-------------------------|-----------------------|

Sequence: 9 MIS - Miscellaneous Construction**Net Length:** 2.292 MI
12,100 LF**Description:** All bridge sections along SW 10th Street.**BRIDGES COMPONENT****Bridge 1**

| Description | Value |
|-------------------------------------|------------------------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 265.00 |
| Width (LF) | 101.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$229.56 |
| Basic Bridge Cost | \$6,022,125.00 |
| Description | EXPRESS BRIDGE OVER POWERLINE ROAD |

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|-----------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 224.44 | CY | \$370.90 | \$83,244.80 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 39,277.00 | LB | \$0.99 | \$38,884.23 |
| Bridge 1 Total | | | | | \$6,144,254.03 |

Bridge 2

| Description | Value |
|-------------------------------------|---|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 1,000.00 |
| Width (LF) | 51.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$226.21 |
| Basic Bridge Cost | \$11,475,000.00 |
| Description | EB EXPRESS LANES BRAIDED RAMP AT WATERWAYS BOULEVARD. |

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|------------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 113.33 | CY | \$370.90 | \$42,034.10 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 19,832.75 | LB | \$0.99 | \$19,634.42 |
| Bridge 2 Total | | | | | \$11,536,668.52 |

Bridge 3

| Description | Value |
|-------------------------------------|-----------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 142.00 |
| Width (LF) | 101.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$233.52 |
| Basic Bridge Cost | \$3,226,950.00 |

Description EXPRESS LANES BRIDGE OVER FRONTAGE ROAD

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|-----------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 224.44 | CY | \$370.90 | \$83,244.80 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 39,277.00 | LB | \$0.99 | \$38,884.23 |
| Bridge 3 Total | | | | | \$3,349,079.03 |

Bridge 4

| Description | Value |
|-------------------------------------|-----------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 700.00 |
| Width (LF) | 30.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$226.73 |
| Basic Bridge Cost | \$4,725,000.00 |

Description WB EXPRESS LANE EXIT RAMP BRIDGE OVER EB EXPRESS LANES.

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|-----------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 66.67 | CY | \$370.90 | \$24,727.90 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 11,667.25 | LB | \$0.99 | \$11,550.58 |
| Bridge 4 Total | | | | | \$4,761,278.48 |

Bridge 5

| Description | Value |
|--------------------|--------------|
| Estimate Type | SF Estimate |

| | |
|-------------------------------------|----------------------------------|
| Primary Estimate | YES |
| Length (LF) | 610.00 |
| Width (LF) | 30.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$226.98 |
| Basic Bridge Cost | \$4,117,500.00 |
| Description | RAMP A, EB EXPRESS LANE ON-RAMP. |

Bridge Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|-------------------------------|---------------|------------|-----------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 66.67 CY | \$370.90 | \$24,727.90 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 11,667.25 LB | \$0.99 | \$11,550.58 |
| Bridge 5 Total | | | | \$4,153,778.48 |
| Bridges Component Total | | | | \$29,945,058.54 |

MISCELLANEOUS COMPONENT

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------------|-----------------------------------|---------------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 136,000.00 SF | \$27.97 | \$3,803,920.00 |
| Miscellaneous Component Total | | | | \$3,803,920.00 |
| Sequence 9 Total | | | | \$33,748,978.54 |

Sequence: 10 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** RAMP A AND B**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|---|--------------|
| Standard Clearing and Grubbing Limits L/R | 0.00 / 0.00 |
| Incidental Clearing and Grubbing Area | 0.00 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------------------------------|--------------------|----------------------|-------------------|------------------------|
| 120-6 | EMBANKMENT | 14,170.00 CY | \$27.17 | \$384,998.90 |
| Earthwork Component Total | | | | \$384,998.90 |

ROADWAY COMPONENT**X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------------|---|----------------------|-------------------|------------------------|
| 160-4 | TYPE B STABILIZATION | 6,865.00 SY | \$5.84 | \$40,091.60 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 6,180.00 SY | \$23.11 | \$142,819.80 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 1,025.00 TN | \$171.48 | \$175,767.00 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 510.00 TN | \$139.13 | \$70,956.30 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|--------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|---|----------------------|-------------------|------------------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 3,160.00 LF | \$193.50 | \$611,460.00 |
| Roadway Component Total | | | | \$1,041,094.70 |

MISCELLANEOUS COMPONENT**X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------------|--------------------------------------|----------------------|-------------------|------------------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 25,500.00 SF | \$27.97 | \$713,235.00 |
| Miscellaneous Component Total | | | | \$713,235.00 |

Sequence 10 Total

\$2,139,328.60

Draft

Sequence: 11 MIS - Miscellaneous Construction

Net Length: 0.000 MI
0 LF

Description: FRONTAGE ROAD

ROADWAY COMPONENT

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---|---------------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 6,126.00 SY | \$5.84 | \$35,775.84 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 5,880.00 SY | \$23.11 | \$135,886.80 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 970.00 TN | \$171.48 | \$166,335.60 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22 | 485.00 TN | \$139.13 | \$67,478.05 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--------------------------------------|---------------|------------|---------------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 1,760.00 LF | \$193.50 | \$340,560.00 |
| Roadway Component Total | | | | \$746,036.29 |

SHOULDER COMPONENT

User Input Data

| Description | Value |
|-------------|-------|
|-------------|-------|

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|---------------|------------|--------------------|
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 1,345.00 SY | \$52.59 | \$70,733.55 |
| Shoulder Component Total | | | | \$70,733.55 |

Sequence 11 Total **\$816,769.84**

Sequence: 12 MIS - Miscellaneous Construction

Net Length: 0.000 MI
0 LF

Description: NOISE WALLS

ROADWAY COMPONENT

Peripherals Subcomponent

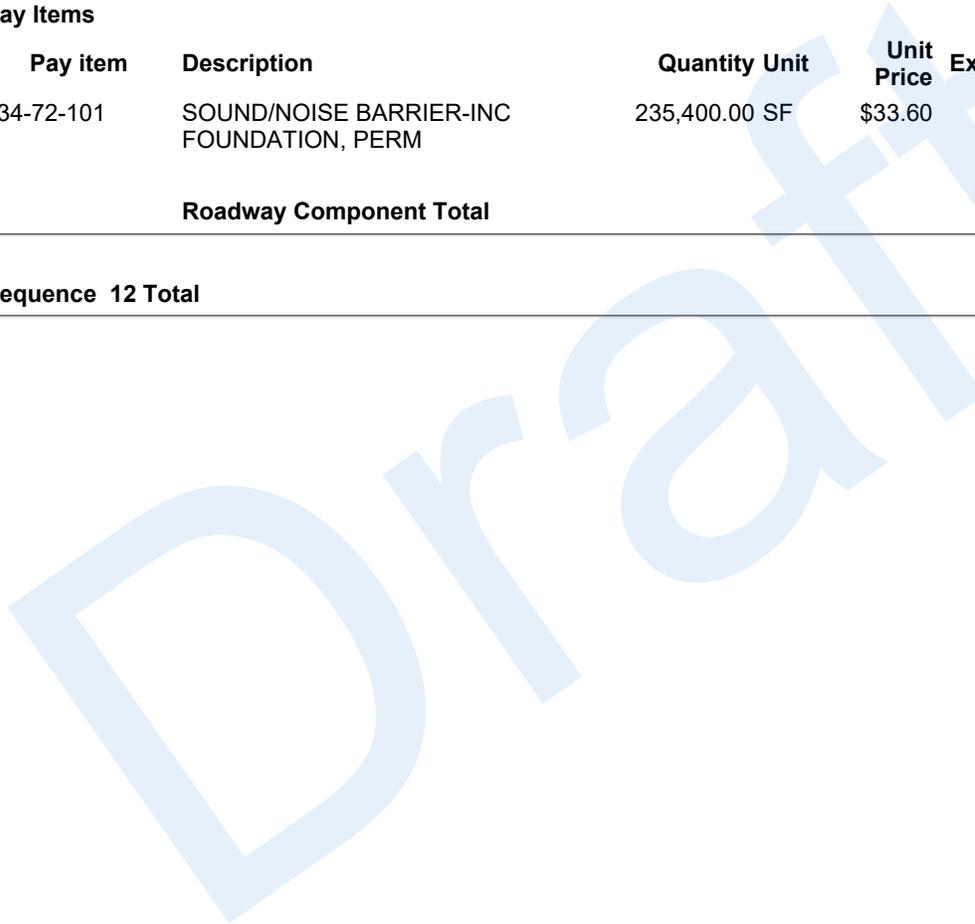
| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 10,700.00 |
| Noise Barrier Wall Begin Height | 22.00 |
| Noise Barrier Wall End Height | 22.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|--|------------|------|------------|-----------------|
| 534-72-101 | SOUND/NOISE BARRIER-INC FOUNDATION, PERM | 235,400.00 | SF | \$33.60 | \$7,909,440.00 |

Roadway Component Total \$7,909,440.00

Sequence 12 Total \$7,909,440.00



Sequence: 13 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Miscellaneous Construction.**ROADWAY COMPONENT****X-Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|-----------------|-------------|-------------------|------------------------|
| 999-20-1 | DISPUTES REVIEW BD, MEETING- DO NOT BID | 1.00 | DA | \$3,300.00 | \$3,300.00 |
| 999-20-2 | DISPUTES REVIEW BD, HEARING- DO NOT BID | 2.00 | EA | \$4,000.00 | \$8,000.00 |
| Roadway Component Total | | | | | \$11,300.00 |
| Sequence 13 Total | | | | | \$11,300.00 |

Draft

Date: 3/26/2019 12:08:24 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12 Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 19 Project Grand Total**\$315,919,220.59**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 242 - EB EXPRESS LANES DEPRESSED UNDER WB EXIT RAMP. 2019 LRE UPDATE.

Project Sequences Subtotal **\$246,105,515.49**

| | | | |
|-------|------------------------|---------|-----------------|
| 102-1 | Maintenance of Traffic | 10.00 % | \$24,610,551.55 |
| 101-1 | Mobilization | 8.00 % | \$21,657,285.36 |

Project Sequences Total **\$292,373,352.40**

| | | |
|------------------|--------|-----------------|
| Project Unknowns | 0.00 % | \$0.00 |
| Design/Build | 8.00 % | \$23,389,868.19 |

Non-Bid Components:

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|--------------|-----------------|
| 999-16 | PARTNERING (DO NOT BID) | 2.00 | LS | \$3,000.00 | \$6,000.00 |
| 999-25 | INITIAL CONTINGENCY AMOUNT (DO NOT BID) | | LS | \$150,000.00 | \$150,000.00 |

Project Non-Bid Subtotal **\$156,000.00**
Version 19 Project Grand Total **\$315,919,220.59**

Depressed Eastbound & Westbound Managed Lanes Alternative

Draft

Date: 3/26/2019 12:12:51 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12 Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 20 Project Grand Total**\$401,319,303.21**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 245 - PARTIALLY DEPRESSED. 2019 LRE UPDATE.

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 0.796 MI
4,200 LFDescription: SW 10th Street from Florida's Turnpike to Independence Drive (Sta. 2008+00 to Sta. 2042+00)
at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.796 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|-----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 10.28 | AC | \$32,034.82 | \$329,317.95 |
| 120-6 | EMBANKMENT | 13,056.95 | CY | \$27.17 | \$354,757.33 |

Earthwork Component Total**\$684,075.28****ROADWAY COMPONENT****User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 43.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 43,551.82 | SY | \$5.84 | \$254,342.63 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 38,735.55 | SY | \$23.11 | \$895,178.56 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 6,391.37 | TN | \$171.48 | \$1,095,992.13 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 3,195.68 | TN | \$139.13 | \$444,614.96 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|---|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 537.00 | EA | \$4.46 | \$2,395.02 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 6.36 | GM | \$902.22 | \$5,738.12 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 6.36 | GM | \$383.00 | \$2,435.88 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|---|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 3,400.00 | LF | \$193.50 | \$657,900.00 |

Roadway Component Total \$3,358,597.30

SHOULDER COMPONENT

User Input Data

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 4,200.24 | LF | \$27.17 | \$114,120.52 |

| | | | | |
|-------|-------------------------------------|-------------|---------|--------------|
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 2,800.16 SY | \$41.10 | \$115,086.58 |
|-------|-------------------------------------|-------------|---------|--------------|

Erosion Control**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|--|---------------|------------|---------------------|
| 104-10-3 | SEDIMENT BARRIER | 8,400.48 LF | \$1.89 | \$15,876.91 |
| 104-11 | FLOATING TURBIDITY BARRIER | 198.88 LF | \$12.50 | \$2,486.00 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 198.88 LF | \$4.09 | \$813.42 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 41.00 EA | \$101.77 | \$4,172.57 |
| 107-1 | LITTER REMOVAL | 20.25 AC | \$49.70 | \$1,006.42 |
| 107-2 | MOWING | 20.25 AC | \$70.39 | \$1,425.40 |
| Shoulder Component Total | | | | \$257,071.03 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-------------------------------|--------------------------------|---------------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 8,400.48 LF | \$29.08 | \$244,285.96 |
| 570-1-1 | PERFORMANCE TURF | 4,666.93 SY | \$3.13 | \$14,607.49 |
| Median Component Total | | | | \$258,893.45 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|---------------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 14.32 CY | \$1,477.99 | \$21,164.82 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 29.00 EA | \$6,251.47 | \$181,292.63 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 8.00 EA | \$8,530.50 | \$68,244.00 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 4.00 EA | \$5,116.81 | \$20,467.24 |
| 425-2-41 | MANHOLES, P-7, <10' | 4.00 EA | \$5,619.79 | \$22,479.16 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 2,104.00 LF | \$180.20 | \$379,140.80 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 192.00 LF | \$230.43 | \$44,242.56 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 3,984.00 LF | \$372.58 | \$1,484,358.72 |
| 570-1-1 | PERFORMANCE TURF | 241.83 SY | \$3.13 | \$756.93 |
| Drainage Component Total | | | | \$2,222,146.86 |

INTERSECTIONS COMPONENT

Intersection 1

| Description | Value |
|--------------------------------------|---------------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Waterways Boulevard |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 738.74 | CY | \$21.41 | \$15,816.42 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,783.68 | SY | \$5.84 | \$10,416.69 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,783.68 | SY | \$23.11 | \$41,220.84 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 124.41 | TN | \$171.48 | \$21,333.83 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 294.31 | TN | \$171.48 | \$50,468.28 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 147.15 | TN | \$139.13 | \$20,472.98 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 62.20 | TN | \$139.13 | \$8,653.89 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 449.00 | LF | \$27.17 | \$12,199.33 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 249.44 | SY | \$41.10 | \$10,251.98 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 249.44 | SY | \$3.13 | \$780.75 |

Intersection 2

| Description | Value |
|--------------------------------------|--------------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Independence Drive |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------------|---|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 738.74 | CY | \$21.41 | \$15,816.42 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,783.68 | SY | \$5.84 | \$10,416.69 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,783.68 | SY | \$23.11 | \$41,220.84 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 124.41 | TN | \$171.48 | \$21,333.83 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 294.31 | TN | \$171.48 | \$50,468.28 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 62.20 | TN | \$139.13 | \$8,653.89 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 147.15 | TN | \$139.13 | \$20,472.98 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 449.00 | LF | \$27.17 | \$12,199.33 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 249.44 | SY | \$41.10 | \$10,251.98 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 249.44 | SY | \$3.13 | \$780.75 |
| Intersections Component Total | | | | | \$586,083.04 |

SIGNING COMPONENT

| Pay Items | | | | | |
|--------------------------------|--|----------|------|------------|--------------------|
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 20.00 | AS | \$351.72 | \$7,034.40 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 2.00 | AS | \$1,060.06 | \$2,120.12 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 2.00 | AS | \$7,377.86 | \$14,755.72 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101- 200 SF | 2.00 | AS | \$9,107.62 | \$18,215.24 |
| Signing Component Total | | | | | \$42,125.48 |

SIGNALIZATIONS COMPONENT

Signalization 1

| Description | Value |
|-------------|-------------------------------------|
| Type | 6 Lane Mast Arm |
| Multiplier | 1 |
| Description | Waterways Boulevard Intersection |

| Pay Items | | | | | |
|-----------|-------------|----------|------|------------|-----------------|
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |

| | | | | |
|-----------|--|-----------|-------------|--------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 LF | \$8.45 | \$5,915.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 LF | \$18.66 | \$5,598.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 EA | \$641.65 | \$14,116.30 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 LF | \$4.88 | \$292.80 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 AS | \$995.45 | \$19,909.00 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 20.00 EA | \$172.57 | \$3,451.40 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 AS | \$1,322.11 | \$26,442.20 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$259.33 | \$1,037.32 |

Signalization 2**Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

Independence Drive Intersection

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--|----------|------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 | LF | \$8.45 | \$5,915.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 | LF | \$18.66 | \$5,598.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 | PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 | EA | \$641.65 | \$14,116.30 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 | AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 | LF | \$4.88 | \$292.80 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 | EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 | EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 | AS | \$995.45 | \$19,909.00 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 2.00 | AS | \$682.09 | \$1,364.18 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 20.00 | EA | \$172.57 | \$3,451.40 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 | AS | \$1,322.11 | \$26,442.20 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 2.00 | EA | \$229.72 | \$459.44 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 | AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 | EA | \$259.33 | \$1,037.32 |

Signalizations Component Total

\$903,072.34

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Value

MIN

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---|-----------------|-------------|-------------------|------------------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 4,200.24 | LF | \$8.45 | \$35,492.03 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 833.68 | LF | \$18.66 | \$15,556.47 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 28.00 | EA | \$641.65 | \$17,966.20 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 15,340.42 | LF | \$2.48 | \$38,044.24 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 28.00 | EA | \$6,040.34 | \$169,129.52 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 28.00 | EA | \$620.69 | \$17,379.32 |
| | Subcomponent Total | | | | \$293,567.78 |
| | Lighting Component Total | | | | \$293,567.78 |

Sequence 1 Total

\$8,605,632.56

Sequence: 2 NDU - New Construction, Divided, Urban**Net Length:** 0.455 MI
2,400 LF**Description:** SW 10th Street from Independence Drive to approximately 1000' east of Powerline Road (Sta. 2042+00 to Sta. 2066+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.454 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 5.86 | AC | \$32,034.82 | \$187,724.05 |
| 120-6 | EMBANKMENT | 7,447.05 | CY | \$27.17 | \$202,336.35 |
| Earthwork Component Total | | | | | \$390,060.40 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 43.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 24,882.84 | SY | \$5.84 | \$145,315.79 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 22,131.12 | SY | \$23.11 | \$511,450.18 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 3,651.63 | TN | \$171.48 | \$626,181.51 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 1,825.82 | TN | \$139.13 | \$254,026.34 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|--|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 307.00 | EA | \$4.46 | \$1,369.22 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 3.64 | GM | \$902.22 | \$3,284.08 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 3.64 | GM | \$383.00 | \$1,394.12 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--------------------------------------|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 2,400.00 | LF | \$193.50 | \$464,400.00 |

Roadway Component Total

\$2,007,421.24

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,399.76 | LF | \$27.17 | \$65,201.48 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 1,599.84 | SY | \$41.10 | \$65,753.42 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 4,799.52 | LF | \$1.89 | \$9,071.09 |
| 104-11 | FLOATING TURBIDITY BARRIER | 113.62 | LF | \$12.50 | \$1,420.25 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 113.62 | LF | \$4.09 | \$464.71 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 24.00 | EA | \$101.77 | \$2,442.48 |
| 107-1 | LITTER REMOVAL | 11.57 | AC | \$49.70 | \$575.03 |
| 107-2 | MOWING | 11.57 | AC | \$70.39 | \$814.41 |

Shoulder Component Total

\$147,826.07

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------------------------|--------------------------------|----------|------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 4,799.52 | LF | \$29.08 | \$139,570.04 |
| 570-1-1 | PERFORMANCE TURF | 2,666.40 | SY | \$3.13 | \$8,345.83 |
| Median Component Total | | | | | \$147,915.87 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|----------|------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 8.18 | CY | \$1,477.99 | \$12,089.96 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 17.00 | EA | \$6,251.47 | \$106,274.99 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 5.00 | EA | \$8,530.50 | \$42,652.50 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 3.00 | EA | \$5,116.81 | \$15,350.43 |
| 425-2-41 | MANHOLES, P-7, <10' | 3.00 | EA | \$5,619.79 | \$16,859.37 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 1,208.00 | LF | \$180.20 | \$217,681.60 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 112.00 | LF | \$230.43 | \$25,808.16 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 2,280.00 | LF | \$372.58 | \$849,482.40 |
| 570-1-1 | PERFORMANCE TURF | 138.17 | SY | \$3.13 | \$432.47 |
| Drainage Component Total | | | | | \$1,286,631.88 |

INTERSECTIONS COMPONENT**Intersection 1**

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 4 |
| Mainline No. of Right Turn Lanes | 2 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 4 |
| Cross Street No. of Left Turn Lanes | 4 |
| Cross Street No. of Right Turn Lanes | 2 |
| Cross Street Design Speed | 45 |
| T-Intersection? | N |
| Multiplier | 1 |
| Description | Powerline Road |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 2.75 | AC | \$32,034.82 | \$88,095.76 |

| | | | | |
|----------|---|-------------|----------|--------------|
| 120-1 | REGULAR EXCAVATION | 2,458.78 CY | \$21.41 | \$52,642.48 |
| 160-4 | TYPE B STABILIZATION | 3,032.31 SY | \$5.84 | \$17,708.69 |
| 160-4 | TYPE B STABILIZATION | 5,936.69 SY | \$5.84 | \$34,670.27 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 3,032.31 SY | \$23.11 | \$70,076.68 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 5,936.69 SY | \$23.11 | \$137,196.91 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 500.33 TN | \$171.48 | \$85,796.59 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 979.55 TN | \$171.48 | \$167,973.23 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 489.78 TN | \$139.13 | \$68,143.09 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 250.17 TN | \$139.13 | \$34,806.15 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 405.68 LF | \$29.08 | \$11,797.17 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 1,058.00 LF | \$27.17 | \$28,745.86 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 570.00 LF | \$44.08 | \$25,125.60 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 370.00 LF | \$44.08 | \$16,309.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 587.78 SY | \$41.10 | \$24,157.76 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 173.89 SY | \$52.59 | \$9,144.88 |
| 570-1-1 | PERFORMANCE TURF | 587.78 SY | \$3.13 | \$1,839.75 |

Intersection 2

| Description | Value |
|--------------------------------------|---|
| Mainline No. of Left Turn Lanes | 0 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 0 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Intersection leading into Sirius XM Radio building. |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 0.70 | AC | \$32,034.82 | \$22,424.37 |
| 120-1 | REGULAR EXCAVATION | 371.15 | CY | \$21.41 | \$7,946.32 |
| 160-4 | TYPE B STABILIZATION | 595.53 | SY | \$5.84 | \$3,477.90 |
| 160-4 | TYPE B STABILIZATION | 896.13 | SY | \$5.84 | \$5,233.40 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 595.53 | SY | \$23.11 | \$13,762.70 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 896.13 | SY | \$23.11 | \$20,709.56 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 98.26 | TN | \$171.48 | \$16,849.62 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 147.86 | TN | \$171.48 | \$25,355.03 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 73.93 | TN | \$139.13 | \$10,285.88 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 49.13 | TN | \$139.13 | \$6,835.46 |

| | | | | |
|--------------------------------------|--|-----------|---------|-----------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 249.00 LF | \$27.17 | \$6,765.33 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 138.33 SY | \$41.10 | \$5,685.36 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 138.33 SY | \$3.13 | \$432.97 |
| Intersections Component Total | | | | \$1,027,515.83 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--|---------------|------------|--------------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 11.00 AS | \$351.72 | \$3,868.92 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 1.00 AS | \$1,060.06 | \$1,060.06 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 1.00 AS | \$7,377.86 | \$7,377.86 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101- 200 SF | 1.00 AS | \$9,107.62 | \$9,107.62 |
| Signing Component Total | | | | \$21,414.46 |

SIGNALIZATIONS COMPONENT**Signalization 1**

| Description | Value |
|-------------|--------------------------------------|
| Type | 6 Lane Mast Arm |
| Multiplier | 1 |
| Description | SW 10th Street and Powerline Road |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|---|---------------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 LF | \$8.45 | \$5,915.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 LF | \$18.66 | \$5,598.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 EA | \$641.65 | \$14,116.30 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 LF | \$4.88 | \$292.80 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 AS | \$995.45 | \$19,909.00 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 AS | \$682.09 | \$5,456.72 |
| 660-1-102 | | 20.00 EA | \$172.57 | \$3,451.40 |

| | | | | |
|---------------------------------------|--|----------|-------------|---------------------|
| | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | | | |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 AS | \$1,322.11 | \$26,442.20 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 EA | \$229.72 | \$1,837.76 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$259.33 | \$1,037.32 |
| Signalizations Component Total | | | | \$457,918.84 |

LIGHTING COMPONENT

Conventional Lighting Subcomponent

| Description | | | | Value |
|---------------------------------|--|---------------|------------|-----------------------|
| Spacing | | | | MIN |
| Pay Items | | | | |
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 2,399.76 LF | \$8.45 | \$20,277.97 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 476.32 LF | \$18.66 | \$8,888.13 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 16.00 EA | \$641.65 | \$10,266.40 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 8,764.58 LF | \$2.48 | \$21,736.16 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I- STD, 40' | 16.00 EA | \$6,040.34 | \$96,645.44 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 16.00 EA | \$620.69 | \$9,931.04 |
| Subcomponent Total | | | | \$167,745.14 |
| Lighting Component Total | | | | \$167,745.14 |
| Sequence 2 Total | | | | \$5,654,449.73 |

Sequence: 3NDU - New Construction, Divided, Urban**Net Length:** 1.155 MI
6,100 LF**Description:** SW 10th Street from approximately 1000' east of Powerline Road to Military Trail (Sta. 2066+00 to Sta. 2127+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 39.75 / 44.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 1.155 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 11.83 | AC | \$32,034.82 | \$378,971.92 |
| 120-6 | EMBANKMENT | 20,325.74 | CY | \$27.17 | \$552,250.36 |
| Earthwork Component Total | | | | | \$931,222.28 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 4 |
| Roadway Pavement Width L/R | 32.00 / 29.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 48,338.98 | SY | \$5.84 | \$282,299.64 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 41,344.34 | SY | \$23.11 | \$955,467.70 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 6,821.82 | TN | \$171.48 | \$1,169,805.69 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 3,410.91 | TN | \$139.13 | \$474,559.91 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 2 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|--|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 468.00 | EA | \$4.46 | \$2,087.28 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 9.24 | GM | \$902.22 | \$8,336.51 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 4.62 | GM | \$383.00 | \$1,769.46 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--------------------------------------|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 6,100.00 | LF | \$193.50 | \$1,180,350.00 |

Roadway Component Total

\$4,074,676.19

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|--------------|
| Total Outside Shoulder Width L/R | 0.00 / 12.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 6,099.98 | LF | \$27.17 | \$165,736.46 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 6,777.76 | SY | \$41.10 | \$278,565.94 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|-----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 12,199.97 | LF | \$1.89 | \$23,057.94 |
| 104-11 | FLOATING TURBIDITY BARRIER | 288.82 | LF | \$12.50 | \$3,610.25 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 288.82 | LF | \$4.09 | \$1,181.27 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 2.00 | EA | \$2,083.20 | \$4,166.40 |
| 104-18 | INLET PROTECTION SYSTEM | 59.00 | EA | \$101.77 | \$6,004.43 |
| 107-1 | LITTER REMOVAL | 29.40 | AC | \$49.70 | \$1,461.18 |
| 107-2 | MOWING | 29.40 | AC | \$70.39 | \$2,069.47 |

Shoulder Component Total

\$485,853.34

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-------------------------------|-----------------------------------|---------------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 12,199.97 LF | \$29.08 | \$354,775.13 |
| 570-1-1 | PERFORMANCE TURF | 6,777.76 SY | \$3.13 | \$21,214.39 |
| Median Component Total | | | | \$375,989.52 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|--|---------------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 20.80 CY | \$1,477.99 | \$30,742.19 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 42.00 EA | \$6,251.47 | \$262,561.74 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 12.00 EA | \$8,530.50 | \$102,366.00 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 6.00 EA | \$5,116.81 | \$30,700.86 |
| 425-2-41 | MANHOLES, P-7, <10' | 6.00 EA | \$5,619.79 | \$33,718.74 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 3,056.00 LF | \$180.20 | \$550,691.20 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 272.00 LF | \$230.43 | \$62,676.96 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 5,784.00 LF | \$372.58 | \$2,155,002.72 |
| 570-1-1 | PERFORMANCE TURF | 351.21 SY | \$3.13 | \$1,099.29 |
| Drainage Component Total | | | | \$3,229,559.70 |

INTERSECTIONS COMPONENT**Intersection 1**

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 30th Avenue |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---------------------|---------------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 AC | \$32,034.82 | \$37,801.09 |

| | | | | |
|----------|---|-------------|----------|-------------|
| 120-1 | REGULAR EXCAVATION | 628.29 CY | \$21.41 | \$13,451.69 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,517.01 SY | \$5.84 | \$8,859.34 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,517.01 SY | \$23.11 | \$35,058.10 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 SY | \$23.11 | \$26,136.72 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 TN | \$171.48 | \$31,999.88 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 250.31 TN | \$171.48 | \$42,923.16 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 TN | \$139.13 | \$12,982.22 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 125.15 TN | \$139.13 | \$17,412.12 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 LF | \$27.17 | \$12,851.41 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 SY | \$41.10 | \$10,800.26 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 262.78 SY | \$3.13 | \$822.50 |

Intersection 2

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 28th Avenue |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 628.29 | CY | \$21.41 | \$13,451.69 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,517.01 | SY | \$5.84 | \$8,859.34 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,517.01 | SY | \$23.11 | \$35,058.10 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 | TN | \$171.48 | \$31,999.88 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 250.31 | TN | \$171.48 | \$42,923.16 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 | TN | \$139.13 | \$12,982.22 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 125.15 | TN | \$139.13 | \$17,412.12 |
| 520-1-7 | | 101.42 | LF | \$29.08 | \$2,949.29 |

| | | | | |
|----------|--|-----------|---------|-------------|
| | CONCRETE CURB & GUTTER, TYPE E | | | |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 LF | \$27.17 | \$12,851.41 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 SY | \$41.10 | \$10,800.26 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 262.78 SY | \$3.13 | \$822.50 |

Intersection 3

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 24th Avenue |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------------|---|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 772.70 | CY | \$21.41 | \$16,543.51 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,865.68 | SY | \$5.84 | \$10,895.57 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,865.68 | SY | \$23.11 | \$43,115.86 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 | TN | \$171.48 | \$31,999.88 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 307.84 | TN | \$171.48 | \$52,788.40 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 | TN | \$139.13 | \$12,982.22 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 153.92 | TN | \$139.13 | \$21,414.89 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 | LF | \$27.17 | \$12,851.41 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 | SY | \$41.10 | \$10,800.26 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 262.78 | SY | \$3.13 | \$822.50 |
| Intersections Component Total | | | | | \$892,815.45 |

SIGNING COMPONENT

| Pay Items | | | | | |
|--------------------------------|--------------------------------------|-----------------|-------------|-------------------|------------------------|
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 28.00 | AS | \$351.72 | \$9,848.16 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 3.00 | AS | \$1,060.06 | \$3,180.18 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51-100 SF | 3.00 | AS | \$7,377.86 | \$22,133.58 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101-200 SF | 3.00 | AS | \$9,107.62 | \$27,322.86 |
| Signing Component Total | | | | | \$62,484.78 |

SIGNALIZATIONS COMPONENT

| Signalization 1 | | | | | |
|---------------------------------------|--|-----------------|-------------|-------------------|------------------------|
| Description | Value | | | | |
| Type | 4 Lane Mast Arm | | | | |
| Multiplier | 1 | | | | |
| Description | SW 28th Avenue | | | | |
| Pay Items | | | | | |
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 750.00 | LF | \$8.45 | \$6,337.50 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 250.00 | LF | \$18.66 | \$4,665.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 | PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 16.00 | EA | \$641.65 | \$10,266.40 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 | AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 | LF | \$4.88 | \$292.80 |
| 649-21-10 | STEEL MAST ARM ASSEMBLY, F&I, 60' | 4.00 | EA | \$40,041.33 | \$160,165.32 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 12.00 | AS | \$995.45 | \$11,945.40 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 | AS | \$682.09 | \$5,456.72 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 12.00 | EA | \$172.57 | \$2,070.84 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 12.00 | AS | \$1,322.11 | \$15,865.32 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 | EA | \$229.72 | \$1,837.76 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 | AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 | EA | \$259.33 | \$1,037.32 |
| Signalizations Component Total | | | | | \$256,950.10 |

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

| Description | Value |
|--------------------|--------------|
|--------------------|--------------|

| Spacing | | MIN | | | |
|-------------------------|---|-----------------|-------------|-------------------|------------------------|
| Pay Items | | | | | |
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 6,099.98 | LF | \$8.45 | \$51,544.83 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 1,210.75 | LF | \$18.66 | \$22,592.60 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 41.00 | EA | \$641.65 | \$26,307.65 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 22,278.81 | LF | \$2.48 | \$55,251.45 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 41.00 | EA | \$6,040.34 | \$247,653.94 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 41.00 | EA | \$620.69 | \$25,448.29 |
| | Subcomponent Total | | | | \$428,798.75 |
| | Lighting Component Total | | | | \$428,798.76 |
| <hr/> | | | | | |
| Sequence 3 Total | | | | | \$10,738,350.12 |
| <hr/> | | | | | |

Sequence: 4 NDU - New Construction, Divided, Urban**Net Length:** 0.530 MI
2,800 LF**Description:** Powerline Road from West Drive to approximately 1000' south of SW 10th Street.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 55.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.530 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 7.16 | AC | \$32,034.82 | \$229,369.31 |
| 120-6 | EMBANKMENT | 10,157.16 | CY | \$27.17 | \$275,970.04 |
| Earthwork Component Total | | | | | \$505,339.35 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 40.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 28,099.39 | SY | \$5.84 | \$164,100.44 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 24,888.75 | SY | \$23.11 | \$575,179.01 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 4,106.64 | TN | \$171.48 | \$704,206.63 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 2,053.32 | TN | \$139.13 | \$285,678.41 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--|---------------|------------|-----------------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 358.00 EA | \$4.46 | \$1,596.68 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 4.24 GM | \$902.22 | \$3,825.41 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 4.24 GM | \$383.00 | \$1,623.92 |
| Roadway Component Total | | | | \$1,736,210.50 |

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 8.25 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 6.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|---------------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,799.98 LF | \$27.17 | \$76,075.46 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,799.98 LF | \$27.17 | \$76,075.46 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 3,733.31 SY | \$41.10 | \$153,439.04 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|--|---------------|------------|---------------------|
| 104-10-3 | SEDIMENT BARRIER | 5,599.97 LF | \$1.89 | \$10,583.94 |
| 104-11 | FLOATING TURBIDITY BARRIER | 132.57 LF | \$12.50 | \$1,657.12 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 132.57 LF | \$4.09 | \$542.21 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 28.00 EA | \$101.77 | \$2,849.56 |
| 107-1 | LITTER REMOVAL | 13.50 AC | \$49.70 | \$670.95 |
| 107-2 | MOWING | 13.50 AC | \$70.39 | \$950.27 |
| Shoulder Component Total | | | | \$324,927.22 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--------------------------------|---------------|------------|-----------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 5,599.97 LF | \$29.08 | \$162,847.13 |
| 570-1-1 | PERFORMANCE TURF | 3,111.09 SY | \$3.13 | \$9,737.71 |

Median Component Total

\$172,584.84

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|----------|------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 9.55 | CY | \$1,477.99 | \$14,114.80 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 20.00 | EA | \$6,251.47 | \$125,029.40 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 6.00 | EA | \$8,530.50 | \$51,183.00 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 3.00 | EA | \$5,116.81 | \$15,350.43 |
| 425-2-41 | MANHOLES, P-7, <10' | 3.00 | EA | \$5,619.79 | \$16,859.37 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 1,408.00 | LF | \$180.20 | \$253,721.60 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 128.00 | LF | \$230.43 | \$29,495.04 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 2,656.00 | LF | \$372.58 | \$989,572.48 |
| 570-1-1 | PERFORMANCE TURF | 161.21 | SY | \$3.13 | \$504.59 |
| Drainage Component Total | | | | | \$1,495,830.71 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--------------------------------------|----------|------|------------|-----------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 13.00 | AS | \$351.72 | \$4,572.36 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 2.00 | AS | \$1,060.06 | \$2,120.12 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51-100 SF | 2.00 | AS | \$7,377.86 | \$14,755.72 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101-200 SF | 2.00 | AS | \$9,107.62 | \$18,215.24 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|----------|------|--------------|---------------------|
| 700-4-111 | OH STATIC SIGN STR, F&I, C UP TO 20 FT | 2.00 | EA | \$42,470.64 | \$84,941.28 |
| 700-4-121 | OH STATIC SIGN STR, F&I, S UP TO 20 FT | 2.00 | EA | \$108,189.34 | \$216,378.68 |
| Signing Component Total | | | | | \$340,983.40 |

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Value

MIN

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------------------|----------|------|------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 2,799.98 | LF | \$8.45 | \$23,659.83 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 555.75 | LF | \$18.66 | \$10,370.30 |
| 635-2-11 | | 19.00 | EA | \$641.65 | \$12,191.35 |

| | | | | |
|-----------|---|--------------|------------|----------------|
| | PULL & SPLICE BOX, F&I, 13" x 24" | | | |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 10,226.31 LF | \$2.48 | \$25,361.25 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 19.00 EA | \$6,040.34 | \$114,766.46 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 19.00 EA | \$620.69 | \$11,793.11 |
| | Subcomponent Total | | | \$198,142.29 |
| | Lighting Component Total | | | \$198,142.30 |
| <hr/> | | | | |
| | Sequence 4 Total | | | \$4,774,018.32 |
| <hr/> | | | | |

Draft

Sequence: 5NDR - New Construction, Divided, Rural**Net Length:** 0.617 MI
3,260 LF**Description:** Express Lane (concrete) section along SW 10th Street from Florida's Turnpike to Military Trail w/
1200' of Fully Depressed Section (35' below grade) w/ 980' transition on each side.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.50 / 50.50 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.000 |
| Top of Structural Course For Begin Section | 0.00 |
| Top of Structural Course For End Section | 0.00 |
| Horizontal Elevation For Begin Section | 0.00 |
| Horizontal Elevation For End Section | 0.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Roadway Cross Slope L/R | 0.00 % / 0.00 % |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---------------------|---------------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 7.55 AC | \$32,034.82 | \$241,862.89 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--------------------|---------------|------------|-----------------|
| 120-1 | REGULAR EXCAVATION | 285,419.00 CY | \$21.41 | \$6,110,820.79 |

| | | | | |
|----------------------------------|--|--|--|-----------------------|
| Earthwork Component Total | | | | \$6,352,683.68 |
|----------------------------------|--|--|--|-----------------------|

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|-------------|
| Number of Lanes | 0 |
| Roadway Pavement Width L/R | 0.00 / 0.00 |
| Structural Spread Rate | 0 |
| Friction Course Spread Rate | 80 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---------------------------------------|---------------|------------|-----------------|
| 521-5-4 | CONC TRAF RAIL- BRG, 32" VERT FACE | 6,520.00 LF | \$95.12 | \$620,182.40 |

EX-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|------------|---|---------------|-----------------|-----------------|
| XX-XXX-XX1 | ADJUSTMENT FOR CONSTRUCTION IN WATER | 1.00 EA | \$11,612,076.63 | \$11,612,076.63 |

Comment: Based on 10% of the cost for the depressed section to account for the construction in water.

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 0 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|------------|---|---------------|------------|-----------------|
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 4.94 GM | \$902.22 | \$4,456.97 |

Roadway Component Total

\$12,236,716.00

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|--|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 0.00 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Paved Outside Shoulder Width L/R | 0.00 / 0.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips \bar{i} ; $\frac{1}{2}$ No. of Sides | 0 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--|---------------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 31,460.46 LF | \$1.89 | \$59,460.27 |
| 104-11 | FLOATING TURBIDITY BARRIER | 572.93 LF | \$12.50 | \$7,161.62 |
| 104-12 | STAKED TURBIDITY BARRIER- NYL REINF PVC | 572.93 LF | \$4.09 | \$2,343.28 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 3.00 EA | \$2,083.20 | \$6,249.60 |
| 104-18 | INLET PROTECTION SYSTEM | 14.00 EA | \$101.77 | \$1,424.78 |
| 107-1 | LITTER REMOVAL | 55.55 AC | \$49.70 | \$2,760.84 |
| 107-2 | MOWING | 55.55 AC | \$70.39 | \$3,910.16 |

Shoulder Component Total

\$83,310.56

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|--|-------------|
| Total Median Width | 0.00 |
| Performance Turf Width | 0.00 |
| Total Median Shoulder Width L/R | 0.00 / 0.00 |
| Paved Median Shoulder Width L/R | 0.00 / 0.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips \bar{i} ; $\frac{1}{2}$ No. of Sides | 0 |

| Pay Items | | | | |
|-------------------------------|---------------------------------|----------------------|-------------------|------------------------|
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 521-1-11 | MEDIAN CONC BARRIER, 38" HEIGHT | 3,060.00 LF | \$197.19 | \$603,401.40 |
| Median Component Total | | | | \$603,401.40 |

DRAINAGE COMPONENT

| Pay Items | | | | |
|---|---|----------------------|-------------------|------------------------|
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 425-1-551 | INLETS, DT BOT, TYPE E, <10' | 110.00 EA | \$6,856.78 | \$754,245.80 |
| X-Items | | | | |
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 425-1-791 | INLETS, MED BARRIER, TYPE 2, J BOT, <=10' | 55.00 EA | \$5,600.00 | \$308,000.00 |
| 430-175-118 | PIPE CULV, OPT MATL, ROUND, 18"S/CD | 5,504.00 LF | \$149.67 | \$823,783.68 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 12,104.00 LF | \$372.58 | \$4,509,708.32 |
| 430-175-172 | PIPE CULV, OPT MATL, ROUND, 72"S/CD | 904.00 LF | \$521.18 | \$471,146.72 |
| Comment: 3-72" box culverts at canal crossing. | | | | |
| Drainage Component Total | | | | \$6,866,884.52 |

SIGNING COMPONENT

| Pay Items | | | | |
|--|-------------------------------------|----------------------|-------------------|------------------------|
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 5.00 AS | \$351.72 | \$1,758.60 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 56.00 AS | \$1,060.06 | \$59,363.36 |
| 700-2-14 | MULTI- POST SIGN, F&I GM, 31-50 SF | 5.00 AS | \$4,857.14 | \$24,285.70 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51-100 SF | 14.00 AS | \$7,377.86 | \$103,290.04 |
| X-Items | | | | |
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 700-3-207 | SIGN PANEL, F&I OM, 201-300 SF | 7.00 EA | \$5,879.77 | \$41,158.39 |
| Comment: Local exits panels. | | | | |
| 700-3-208 | SIGN PANEL, F&I OM, 301-400 SF | 1.00 EA | \$9,137.52 | \$9,137.52 |
| Comment: I-95 direct connect panel. | | | | |
| 700-4-112 | OH STATIC SIGN STR, F&I, C 21-30 FT | 7.00 EA | \$55,933.60 | \$391,535.20 |
| Comment: Structure for local exits panels. | | | | |
| 700-4-113 | OH STATIC SIGN STR, F&I, C 31-40 FT | 3.00 EA | \$42,409.29 | \$127,227.87 |
| Comment: Structure for EL DMS and I-95 Direct connect panels. | | | | |
| 700-4-125 | | 5.00 EA | \$197,000.00 | \$985,000.00 |

| | | | | |
|--------------------------------|---|---------|--------------|-----------------------|
| | OH STATIC SIGN STR, F&I, S 51-100 FT | | | |
| | Comment: Structures for Express Lanes and Toll Amounts panels. | | | |
| 700-7-132 | EMBED DYNAMIC MESS SIGN, F&I, FULL,12-20 | 4.00 EA | \$27,589.55 | \$110,358.20 |
| | Comment: T-DMS bricks | | | |
| 700-8-135 | FRONT ACC DYN MESS SIGN, F&I, FUL,51-100 | 3.00 EA | \$73,326.96 | \$219,980.88 |
| | Comment: Lane Status DMS | | | |
| 700-8-136 | FRONT ACC DYN MESS SIGN, F&I, FULL,101- | 1.00 EA | \$104,433.33 | \$104,433.33 |
| | Comment: Express Lanes DMS | | | |
| 700-9-117 | WALK-IN DYN MESS SIGN,F&I, MONO,201- | 1.00 EA | \$75,000.00 | \$75,000.00 |
| | Comment: GP Lanes DMS | | | |
| Signing Component Total | | | | \$2,252,529.09 |

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|--|---------------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 7,667.00 LF | \$8.45 | \$64,786.15 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 2,556.00 LF | \$18.66 | \$47,694.96 |
| 633-1-122 | FIBER OPTIC CABLE, F&I, UG,13-48 | 4,646.00 LF | \$3.79 | \$17,608.34 |
| 633-1-124 | FIBER OPTIC CABLE, F&I, UG,97-144 | 9,293.00 LF | \$4.00 | \$37,172.00 |
| 633-2-31 | FIBER OPTIC CONNECTION, INSTALL, SPLICE | 323.00 EA | \$51.31 | \$16,573.13 |
| 633-3-11 | FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE | 16.00 EA | \$942.34 | \$15,077.44 |
| 633-3-12 | FIBER OPTIC CONN HDWR, SPLICE TRAY | 16.00 EA | \$69.21 | \$1,107.36 |
| 633-3-13 | FIBER OPTIC CONN HDWR, PRETERM CONNECT A | 16.00 EA | \$77.50 | \$1,240.00 |
| 633-3-15 | FIBER OPTIC CONN HDWR, PRETERM PATCH PAN | 16.00 EA | \$1,793.95 | \$28,703.20 |
| 633-8-1 | MULTI-CONDUCTOR COMMUNICATION CABLE, F&I | 4,740.00 LF | \$4.24 | \$20,097.60 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 19.00 EA | \$641.65 | \$12,191.35 |
| 635-2-12 | PULL & SPLICE BOX, F&I, 24" X 36" | 16.00 EA | \$1,280.05 | \$20,480.80 |
| 639-1-122 | ELECTRICAL POWER SRV,F&I, UG,PUR CONT | 1.00 AS | \$2,651.78 | \$2,651.78 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 30,666.00 LF | \$4.88 | \$149,650.08 |
| 641-3-169 | CONCRETE CCTV POLE, FUR & INS W/LOW | 4.00 EA | \$29,728.00 | \$118,912.00 |
| 660-3-11 | VEHICLE DETECTION SYSTEM-MICRO,F&I, CAB | 7.00 EA | \$2,250.00 | \$15,750.00 |
| 660-3-12 | | 7.00 EA | \$13,500.00 | \$94,500.00 |

| | | | | |
|-----------|---|----------|-------------|-------------|
| | VEHICLE DETECTION SYSTEM- MICRO,F&I, ABO | | | |
| 676-2-122 | ITS CABINET- F&I, POLE, 336S | 8.00 EA | \$6,600.00 | \$52,800.00 |
| 676-2-143 | ITS CABINET- F&I, BASE, 334 | 8.00 EA | \$10,633.33 | \$85,066.64 |
| 676-2-400 | ITS CABINET- RELOCATE | 2.00 EA | \$2,708.64 | \$5,417.28 |
| 682-1-111 | ITS CCTV CAMERA, F&I, DOME ENCL-PRES. | 4.00 EA | \$7,180.53 | \$28,722.12 |
| 684-1-1 | MANAGED FIELD ETHERNET SWITCH, F&I | 17.00 EA | \$3,711.50 | \$63,095.50 |
| 684-2-1 | DEVICE SERVER, F&I | 7.00 EA | \$1,500.00 | \$10,500.00 |
| 684-3-11 | DIGITAL VIDEO ENC W SO, F&I HARD ENCODER | 4.00 EA | \$2,917.45 | \$11,669.80 |

EX-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---|--|---------------|--------------|-----------------------|
| 639-5-1 | EMERGENCY GENERATOR- PERMANENT, UP TO 25 KW | 3.00 EA | \$39,679.10 | \$119,037.30 |
| 641-2-13 | PREST CNC POLE, F&I, TYP P-III | 7.00 EA | \$9,785.71 | \$68,499.97 |
| 78X-XX-XXX | TOLL GANTRY SYSTEM, 2 LANE | 3.00 EA | \$800,000.00 | \$2,400,000.00 |
| Intelligent Traffic System (ITS) Component Total | | | | \$3,509,004.80 |

LIGHTING COMPONENT**X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|--|---------------|------------|---------------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 12,100.00 LF | \$8.45 | \$102,245.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 2,400.00 LF | \$18.66 | \$44,784.00 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 81.00 EA | \$641.65 | \$51,973.65 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 45,000.00 LF | \$2.48 | \$111,600.00 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I- STD, 40' | 81.00 EA | \$6,040.34 | \$489,267.54 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 81.00 EA | \$620.69 | \$50,275.89 |
| Lighting Component Total | | | | \$850,146.08 |

BRIDGES COMPONENT**Bridge X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---|-----------------|------------|-----------------|
| 400-3-20 | CONC CLASS III, SEAL Comment: 5.5' depth of concrete for tremie slab for depressed section. | 51,771.00 CY | \$1,368.00 | \$70,822,728.00 |
| 400-4-5 | CONC CLASS IV, SUBSTRUCTURE Comment: 4' depth of concrete for depressed section. | 48,289.00 CY | \$1,112.06 | \$53,700,265.34 |
| 415-1-5 | REINF STEEL- SUBSTRUCTURE Comment: Actual quantity of reinforcing steel is 10,790,699 lbs. LRE will not allow a value over 10,000,000 lbs. Multiplied cost by 2 to account for entire reinforcing steel. | 5,395,349.50 LB | \$1.18 | \$6,366,512.41 |

| | | | | |
|-----------|---|---------------|------------|----------------|
| 451-70 | PREST SOIL ANCHORS Comment: For depressed section. | 1,491.00 EA | \$4,796.99 | \$7,152,312.09 |
| 451-70-1 | PREST SOIL ANCHOR, PERFORMANCE TEST Comment: For depressed section. | 373.00 EA | \$1,267.67 | \$472,840.91 |
| 451-70-2 | PREST SOIL ANCHOR, CREEP TEST Comment: For depressed section. | 373.00 EA | \$1,696.43 | \$632,768.39 |
| 455-87 | ANCHOR BAR, STEEL | 1,430.00 EA | \$1,041.63 | \$1,489,530.90 |
| 455-133-2 | SHEET PILING STEEL, TEMPORARY-CRITICAL Comment: For depressed section. | 399,594.00 SF | \$24.75 | \$9,889,951.50 |

Bridge EX-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|---|---------------|-----------------|------------------|
| XXX-XX-XX1 | WATERPROOF LINER Comment: For depressed section. | 487,880.00 SF | \$1.00 | \$487,880.00 |
| XXX-XX-XX2 | ADJUSTMENT FOR CONSTRUCTION IN WATER Comment: Based on 10% of the cost for the depressed section to account for the construction in water. | 1.00 LS | \$16,594,857.94 | \$16,594,857.94 |
| Bridge Total | | | | \$167,609,647.48 |
| Bridges Component Total | | | | \$167,609,647.48 |

MISCELLANEOUS COMPONENT

| X-Items | | | | |
|--------------------------------------|-----------------------------------|---------------|--------------|------------------|
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 400-4-11 | CONC CLASS IV, RETAINING WALLS | 4,381.00 CY | \$1,831.31 | \$8,022,969.11 |
| 448-73 | PUMPING STATION- DRAINAGE | 2.00 LS | \$400,000.00 | \$800,000.00 |
| Miscellaneous Component Total | | | | \$8,822,969.11 |
| Sequence 5 Total | | | | \$209,187,292.72 |

Sequence: 6 MIS - Miscellaneous Construction**Net Length:** 2.292 MI
12,100 LF**Description:** All bridge sections along SW 10th Street.**BRIDGES COMPONENT****Bridge 1**

| Description | Value |
|-------------------------------------|------------------------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 1,400.00 |
| Width (LF) | 101.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$225.86 |
| Basic Bridge Cost | \$31,815,000.00 |
| Description | EXPRESS BRIDGE OVER POWERLINE ROAD |

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|------------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 224.44 | CY | \$370.90 | \$83,244.80 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 39,277.00 | LB | \$0.99 | \$38,884.23 |
| Bridge 1 Total | | | | | \$31,937,129.03 |

Bridge 2

| Description | Value |
|-------------------------------------|---|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 800.00 |
| Width (LF) | 30.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$226.51 |
| Basic Bridge Cost | \$5,400,000.00 |
| Description | BRIDGE OVER DEPRESSED SECTION (RAMP B). |

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|-----------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 66.67 | CY | \$370.90 | \$24,727.90 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 11,667.25 | LB | \$0.99 | \$11,550.58 |
| Bridge 2 Total | | | | | \$5,436,278.48 |

Bridge 3

| Description | Value |
|-------------------------------------|-----------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 650.00 |
| Width (LF) | 51.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$226.86 |
| Basic Bridge Cost | \$7,458,750.00 |

Description EB EXPRESS LANES BRAIDED RAMP AT WATERWAYS BOULEVARD.

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|-----------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 113.33 | CY | \$370.90 | \$42,034.10 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 19,832.75 | LB | \$0.99 | \$19,634.42 |
| Bridge 3 Total | | | | | \$7,520,418.52 |

Bridge 4

| Description | Value |
|-------------------------------------|-----------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 750.00 |
| Width (LF) | 30.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$226.61 |
| Basic Bridge Cost | \$5,062,500.00 |

Description RAMP A - ON RAMP TO EB EXPRESS LANES FROM POWERLINE ROAD.

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|-----------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 66.67 | CY | \$370.90 | \$24,727.90 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 11,667.25 | LB | \$0.99 | \$11,550.58 |
| Bridge 4 Total | | | | | \$5,098,778.48 |

Bridges Component Total

\$49,992,604.51

Sequence 6 Total

\$49,992,604.51

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Sequence: 7 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Express Lanes (Asphalt)**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|---|-------------|
| Standard Clearing and Grubbing Limits L/R | 0.00 / 0.00 |
| Incidental Clearing and Grubbing Area | 0.00 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|------------|------|-------------|-----------------------|
| 110-1-1 | CLEARING & GRUBBING | 11.90 | AC | \$32,034.82 | \$381,214.36 |
| 120-6 | EMBANKMENT | 199,613.00 | CY | \$27.17 | \$5,423,485.21 |
| Earthwork Component Total | | | | | \$5,804,699.57 |

ROADWAY COMPONENT**X-Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 75,556.00 | SY | \$5.84 | \$441,247.04 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 71,822.00 | SY | \$23.11 | \$1,659,806.42 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 11,851.00 | TN | \$171.48 | \$2,032,209.48 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 5,925.00 | TN | \$139.13 | \$824,345.25 |
| 521-1-11 | MEDIAN CONC BARRIER, 38" HEIGHT | 3,100.00 | LF | \$197.19 | \$611,289.00 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|---|----------|------|------------|-----------------------|
| 339-1 | MISCELLANEOUS ASPHALT PAVEMENT | 183.33 | TN | \$232.34 | \$42,594.89 |
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 7,500.00 | LF | \$193.50 | \$1,451,250.00 |
| 536-1-1 | GUARDRAIL- ROADWAY, GEN TL-3 | 5,500.00 | LF | \$20.34 | \$111,870.00 |
| Roadway Component Total | | | | | \$7,174,612.08 |

| | |
|-------------------------|------------------------|
| Sequence 7 Total | \$12,979,311.65 |
|-------------------------|------------------------|

Sequence: 8 MIS - Miscellaneous Construction

Net Length: 2.292 MI
12,100 LF

Description: Non-Traffic Bridges

ROADWAY COMPONENT

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|-----------------------|----------|------|------------|--------------------|
| 120-6 | EMBANKMENT | 400.00 | CY | \$27.17 | \$10,868.00 |
| 570-1-2 | PERFORMANCE TURF, SOD | 1,200.00 | SY | \$3.90 | \$4,680.00 |
| Roadway Component Total | | | | | \$15,548.00 |

BRIDGES COMPONENT

Bridge 1

| Description | Value |
|-------------------------------------|-----------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 107.00 |
| Width (LF) | 100.00 |
| Type | Pedestrian Overpass |
| Cost Factor | 1.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$95.00 |
| Factored Cost per SF | \$95.00 |
| Final Cost per SF | \$95.00 |
| Basic Bridge Cost | \$1,016,500.00 |
| Description | NON-TRAFFIC BRIDGE 1 |

Bridge 1 Total \$1,016,500.00

Bridges Component Total \$1,016,500.00

Sequence 8 Total \$1,032,048.00

Sequence: 9 MIS - Miscellaneous Construction

Net Length: 0.000 MI
0 LF

Description: NOISE WALLS

ROADWAY COMPONENT

Peripherals Subcomponent

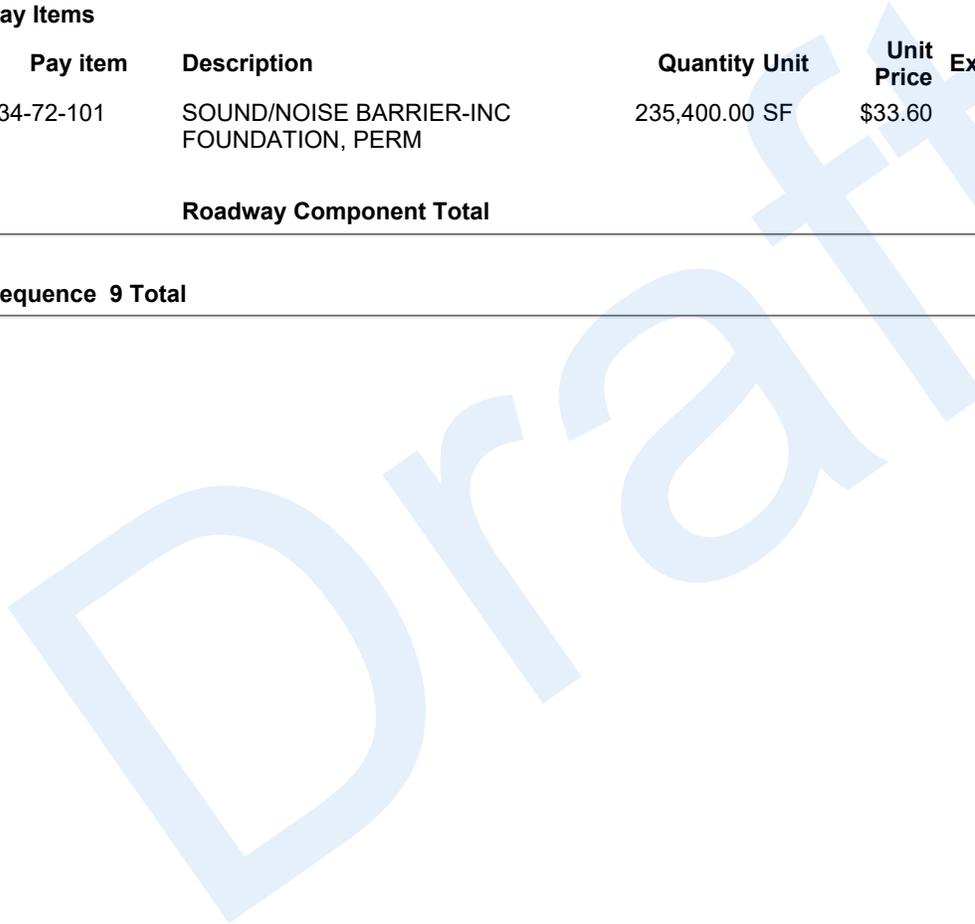
| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 10,700.00 |
| Noise Barrier Wall Begin Height | 22.00 |
| Noise Barrier Wall End Height | 22.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|--|------------|------|------------|-----------------|
| 534-72-101 | SOUND/NOISE BARRIER-INC FOUNDATION, PERM | 235,400.00 | SF | \$33.60 | \$7,909,440.00 |

Roadway Component Total \$7,909,440.00

Sequence 9 Total \$7,909,440.00



Sequence: 10 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Ramp A and Ramp B (EL connects to SW 10th Street)**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|---|-------------|
| Standard Clearing and Grubbing Limits L/R | 0.00 / 0.00 |
| Incidental Clearing and Grubbing Area | 0.00 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.98 | AC | \$32,034.82 | \$63,428.94 |
| 120-1 | REGULAR EXCAVATION | 2,389.00 | CY | \$21.41 | \$51,148.49 |
| 120-6 | EMBANKMENT | 9,498.00 | CY | \$27.17 | \$258,060.66 |
| Earthwork Component Total | | | | | \$372,638.09 |

ROADWAY COMPONENT**X-Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 9,553.00 | SY | \$5.84 | \$55,789.52 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 8,598.00 | SY | \$23.11 | \$198,699.78 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 1,419.00 | TN | \$171.48 | \$243,330.12 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 709.00 | TN | \$139.13 | \$98,643.17 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|---|----------|------|------------|-----------------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 4,200.00 | LF | \$193.50 | \$812,700.00 |
| Roadway Component Total | | | | | \$1,409,162.59 |

Sequence 10 Total**\$1,781,800.68**

Sequence: 11 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Miscellaneous**ROADWAY COMPONENT****X-Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|-----------------|-------------|-------------------|------------------------|
| 999-20-1 | DISPUTES REVIEW BD, MEETING- DO NOT BID | 1.00 | DA | \$3,300.00 | \$3,300.00 |
| 999-20-2 | DISPUTES REVIEW BD, HEARING- DO NOT BID | 2.00 | EA | \$4,000.00 | \$8,000.00 |
| Roadway Component Total | | | | | \$11,300.00 |
| Sequence 11 Total | | | | | \$11,300.00 |

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Date: 3/26/2019 12:12:53 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12 Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 20 Project Grand Total**\$401,319,303.21**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 245 - PARTIALLY DEPRESSED. 2019 LRE UPDATE.

Project Sequences Subtotal **\$312,666,248.29**

| | | | |
|-------|------------------------|---------|-----------------|
| 102-1 | Maintenance of Traffic | 10.00 % | \$31,266,624.83 |
| 101-1 | Mobilization | 8.00 % | \$27,514,629.85 |

Project Sequences Total **\$371,447,502.97**

| | | |
|------------------|--------|-----------------|
| Project Unknowns | 0.00 % | \$0.00 |
| Design/Build | 8.00 % | \$29,715,800.24 |

Non-Bid Components:

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|--------------|-----------------|
| 999-16 | PARTNERING (DO NOT BID) | 2.00 | LS | \$3,000.00 | \$6,000.00 |
| 999-25 | INITIAL CONTINGENCY AMOUNT (DO NOT BID) | | LS | \$150,000.00 | \$150,000.00 |

Project Non-Bid Subtotal **\$156,000.00****Version 20 Project Grand Total** **\$401,319,303.21**

Non-Depressed / No Managed Lane Access with Westbound Exit Ramp Alternative

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Date: 3/26/2019 12:10:28 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12 Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 21 Project Grand Total**\$125,577,488.63**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 246 - NO DEPRESSED, NO RAMPS. 2019 LRE UPDATE.

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 0.796 MI
4,200 LFDescription: SW 10th Street from Florida's Turnpike to Independence Drive (Sta. 2008+00 to Sta. 2042+00)
at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.796 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|-----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 10.28 | AC | \$32,034.82 | \$329,317.95 |
| 120-6 | EMBANKMENT | 13,056.95 | CY | \$27.17 | \$354,757.33 |

Earthwork Component Total**\$684,075.28****ROADWAY COMPONENT****User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 43.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 43,551.82 | SY | \$5.84 | \$254,342.63 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 38,735.55 | SY | \$23.11 | \$895,178.56 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 6,391.37 | TN | \$171.48 | \$1,095,992.13 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 3,195.68 | TN | \$139.13 | \$444,614.96 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|---|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 537.00 | EA | \$4.46 | \$2,395.02 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 6.36 | GM | \$902.22 | \$5,738.12 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 6.36 | GM | \$383.00 | \$2,435.88 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|---|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 3,400.00 | LF | \$193.50 | \$657,900.00 |

Roadway Component Total \$3,358,597.30

SHOULDER COMPONENT

User Input Data

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 4,200.24 | LF | \$27.17 | \$114,120.52 |

| | | | | |
|-------|-------------------------------------|-------------|---------|--------------|
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 2,800.16 SY | \$41.10 | \$115,086.58 |
|-------|-------------------------------------|-------------|---------|--------------|

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|--|----------|------|------------|---------------------|
| 104-10-3 | SEDIMENT BARRIER | 8,400.48 | LF | \$1.89 | \$15,876.91 |
| 104-11 | FLOATING TURBIDITY BARRIER | 198.88 | LF | \$12.50 | \$2,486.00 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 198.88 | LF | \$4.09 | \$813.42 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 41.00 | EA | \$101.77 | \$4,172.57 |
| 107-1 | LITTER REMOVAL | 20.25 | AC | \$49.70 | \$1,006.42 |
| 107-2 | MOWING | 20.25 | AC | \$70.39 | \$1,425.40 |
| Shoulder Component Total | | | | | \$257,071.03 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------------------------|--------------------------------|----------|------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 8,400.48 | LF | \$29.08 | \$244,285.96 |
| 570-1-1 | PERFORMANCE TURF | 4,666.93 | SY | \$3.13 | \$14,607.49 |
| Median Component Total | | | | | \$258,893.45 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|----------|------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 14.32 | CY | \$1,477.99 | \$21,164.82 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 29.00 | EA | \$6,251.47 | \$181,292.63 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 8.00 | EA | \$8,530.50 | \$68,244.00 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 4.00 | EA | \$5,116.81 | \$20,467.24 |
| 425-2-41 | MANHOLES, P-7, <10' | 4.00 | EA | \$5,619.79 | \$22,479.16 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 2,104.00 | LF | \$180.20 | \$379,140.80 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 192.00 | LF | \$230.43 | \$44,242.56 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 3,984.00 | LF | \$372.58 | \$1,484,358.72 |
| 570-1-1 | PERFORMANCE TURF | 241.83 | SY | \$3.13 | \$756.93 |
| Drainage Component Total | | | | | \$2,222,146.86 |

INTERSECTIONS COMPONENT

Intersection 1

| Description | Value |
|--------------------------------------|---------------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Waterways Boulevard |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 738.74 | CY | \$21.41 | \$15,816.42 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,783.68 | SY | \$5.84 | \$10,416.69 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,783.68 | SY | \$23.11 | \$41,220.84 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 124.41 | TN | \$171.48 | \$21,333.83 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 294.31 | TN | \$171.48 | \$50,468.28 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 147.15 | TN | \$139.13 | \$20,472.98 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 62.20 | TN | \$139.13 | \$8,653.89 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 449.00 | LF | \$27.17 | \$12,199.33 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 249.44 | SY | \$41.10 | \$10,251.98 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 249.44 | SY | \$3.13 | \$780.75 |

Intersection 2

| Description | Value |
|--------------------------------------|--------------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Independence Drive |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------------|---|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 738.74 | CY | \$21.41 | \$15,816.42 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,783.68 | SY | \$5.84 | \$10,416.69 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,783.68 | SY | \$23.11 | \$41,220.84 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 124.41 | TN | \$171.48 | \$21,333.83 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 294.31 | TN | \$171.48 | \$50,468.28 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 62.20 | TN | \$139.13 | \$8,653.89 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 147.15 | TN | \$139.13 | \$20,472.98 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 449.00 | LF | \$27.17 | \$12,199.33 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 249.44 | SY | \$41.10 | \$10,251.98 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 249.44 | SY | \$3.13 | \$780.75 |
| Intersections Component Total | | | | | \$586,083.04 |

SIGNING COMPONENT

| Pay Items | | | | | |
|--------------------------------|--|----------|------|------------|--------------------|
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 20.00 | AS | \$351.72 | \$7,034.40 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 2.00 | AS | \$1,060.06 | \$2,120.12 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 2.00 | AS | \$7,377.86 | \$14,755.72 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101- 200 SF | 2.00 | AS | \$9,107.62 | \$18,215.24 |
| Signing Component Total | | | | | \$42,125.48 |

SIGNALIZATIONS COMPONENT

Signalization 1

| Description | Value |
|-------------|-------------------------------------|
| Type | 6 Lane Mast Arm |
| Multiplier | 1 |
| Description | Waterways Boulevard Intersection |

| Pay Items | | | | | |
|-----------|-------------|----------|------|------------|-----------------|
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |

| | | | | |
|-----------|--|-----------|-------------|--------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 LF | \$8.32 | \$5,824.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 LF | \$18.35 | \$5,505.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 EA | \$641.65 | \$14,116.30 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 LF | \$4.88 | \$292.80 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 AS | \$995.45 | \$19,909.00 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 20.00 EA | \$172.57 | \$3,451.40 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 AS | \$1,322.11 | \$26,442.20 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$259.33 | \$1,037.32 |

Signalization 2**Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

Independence Drive Intersection

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--|----------|------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 | LF | \$8.32 | \$5,824.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 | LF | \$18.35 | \$5,505.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 | PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 | EA | \$641.65 | \$14,116.30 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 | AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 | LF | \$4.88 | \$292.80 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 | EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 | EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 | AS | \$995.45 | \$19,909.00 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 2.00 | AS | \$682.09 | \$1,364.18 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 20.00 | EA | \$172.57 | \$3,451.40 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 | AS | \$1,322.11 | \$26,442.20 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 2.00 | EA | \$229.72 | \$459.44 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 | AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 | EA | \$259.33 | \$1,037.32 |

Signalizations Component Total

\$902,704.34

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Value

MIN

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---|-----------------|-------------|-------------------|------------------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 4,200.24 | LF | \$8.32 | \$34,946.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 833.68 | LF | \$18.35 | \$15,298.03 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 28.00 | EA | \$641.65 | \$17,966.20 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 15,340.42 | LF | \$2.48 | \$38,044.24 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 28.00 | EA | \$6,040.34 | \$169,129.52 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 28.00 | EA | \$620.69 | \$17,379.32 |
| | Subcomponent Total | | | | \$292,763.31 |
| | Lighting Component Total | | | | \$292,763.31 |

Sequence 1 Total

\$8,604,460.09

Sequence: 2 NDU - New Construction, Divided, Urban**Net Length:** 0.455 MI
2,400 LF**Description:** SW 10th Street from Independence Drive to approximately 1000' east of Powerline Road (Sta. 2042+00 to Sta. 2066+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.454 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 5.86 | AC | \$32,034.82 | \$187,724.05 |
| 120-6 | EMBANKMENT | 7,447.05 | CY | \$27.17 | \$202,336.35 |
| Earthwork Component Total | | | | | \$390,060.40 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 43.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 24,882.84 | SY | \$5.84 | \$145,315.79 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 22,131.12 | SY | \$23.11 | \$511,450.18 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 3,651.63 | TN | \$171.48 | \$626,181.51 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 1,825.82 | TN | \$139.13 | \$254,026.34 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|--|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 307.00 | EA | \$4.46 | \$1,369.22 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 3.64 | GM | \$902.22 | \$3,284.08 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 3.64 | GM | \$383.00 | \$1,394.12 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--------------------------------------|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 2,400.00 | LF | \$193.50 | \$464,400.00 |

Roadway Component Total

\$2,007,421.24

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,399.76 | LF | \$27.17 | \$65,201.48 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 1,599.84 | SY | \$41.10 | \$65,753.42 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 4,799.52 | LF | \$1.89 | \$9,071.09 |
| 104-11 | FLOATING TURBIDITY BARRIER | 113.62 | LF | \$12.50 | \$1,420.25 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 113.62 | LF | \$4.09 | \$464.71 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 24.00 | EA | \$101.77 | \$2,442.48 |
| 107-1 | LITTER REMOVAL | 11.57 | AC | \$49.70 | \$575.03 |
| 107-2 | MOWING | 11.57 | AC | \$70.39 | \$814.41 |

Shoulder Component Total

\$147,826.07

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------------------------|--------------------------------|----------|------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 4,799.52 | LF | \$29.08 | \$139,570.04 |
| 570-1-1 | PERFORMANCE TURF | 2,666.40 | SY | \$3.13 | \$8,345.83 |
| Median Component Total | | | | | \$147,915.87 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|----------|------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 8.18 | CY | \$1,477.99 | \$12,089.96 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 17.00 | EA | \$6,251.47 | \$106,274.99 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 5.00 | EA | \$8,530.50 | \$42,652.50 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 3.00 | EA | \$5,116.81 | \$15,350.43 |
| 425-2-41 | MANHOLES, P-7, <10' | 3.00 | EA | \$5,619.79 | \$16,859.37 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 1,208.00 | LF | \$180.20 | \$217,681.60 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 112.00 | LF | \$230.43 | \$25,808.16 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 2,280.00 | LF | \$372.58 | \$849,482.40 |
| 570-1-1 | PERFORMANCE TURF | 138.17 | SY | \$3.13 | \$432.47 |
| Drainage Component Total | | | | | \$1,286,631.88 |

INTERSECTIONS COMPONENT**Intersection 1**

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 4 |
| Mainline No. of Right Turn Lanes | 2 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 4 |
| Cross Street No. of Left Turn Lanes | 4 |
| Cross Street No. of Right Turn Lanes | 2 |
| Cross Street Design Speed | 45 |
| T-Intersection? | N |
| Multiplier | 1 |
| Description | Powerline Road |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 2.75 | AC | \$32,034.82 | \$88,095.76 |

| | | | | |
|----------|---|-------------|----------|--------------|
| 120-1 | REGULAR EXCAVATION | 2,458.78 CY | \$21.41 | \$52,642.48 |
| 160-4 | TYPE B STABILIZATION | 3,032.31 SY | \$5.84 | \$17,708.69 |
| 160-4 | TYPE B STABILIZATION | 5,936.69 SY | \$5.84 | \$34,670.27 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 3,032.31 SY | \$23.11 | \$70,076.68 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 5,936.69 SY | \$23.11 | \$137,196.91 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 500.33 TN | \$171.48 | \$85,796.59 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 979.55 TN | \$171.48 | \$167,973.23 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 489.78 TN | \$139.13 | \$68,143.09 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 250.17 TN | \$139.13 | \$34,806.15 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 405.68 LF | \$29.08 | \$11,797.17 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 1,058.00 LF | \$27.17 | \$28,745.86 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 570.00 LF | \$44.08 | \$25,125.60 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 370.00 LF | \$44.08 | \$16,309.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 587.78 SY | \$41.10 | \$24,157.76 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 173.89 SY | \$52.59 | \$9,144.88 |
| 570-1-1 | PERFORMANCE TURF | 587.78 SY | \$3.13 | \$1,839.75 |

Intersection 2**Description**

| Description | Value |
|--------------------------------------|--|
| Mainline No. of Left Turn Lanes | 0 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 0 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | Intersection leading into Sirius XM Radio building. |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 0.70 | AC | \$32,034.82 | \$22,424.37 |
| 120-1 | REGULAR EXCAVATION | 371.15 | CY | \$21.41 | \$7,946.32 |
| 160-4 | TYPE B STABILIZATION | 595.53 | SY | \$5.84 | \$3,477.90 |
| 160-4 | TYPE B STABILIZATION | 896.13 | SY | \$5.84 | \$5,233.40 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 595.53 | SY | \$23.11 | \$13,762.70 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 896.13 | SY | \$23.11 | \$20,709.56 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 98.26 | TN | \$171.48 | \$16,849.62 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 147.86 | TN | \$171.48 | \$25,355.03 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 73.93 | TN | \$139.13 | \$10,285.88 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 49.13 | TN | \$139.13 | \$6,835.46 |

| | | | | |
|--------------------------------------|--|-----------|---------|-----------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 249.00 LF | \$27.17 | \$6,765.33 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 138.33 SY | \$41.10 | \$5,685.36 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 138.33 SY | \$3.13 | \$432.97 |
| Intersections Component Total | | | | \$1,027,515.83 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|----------|------|------------|--------------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 11.00 | AS | \$351.72 | \$3,868.92 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 1.00 | AS | \$1,060.06 | \$1,060.06 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 1.00 | AS | \$7,377.86 | \$7,377.86 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101- 200 SF | 1.00 | AS | \$9,107.62 | \$9,107.62 |
| Signing Component Total | | | | | \$21,414.46 |

SIGNALIZATIONS COMPONENT**Signalization 1**

| Description | Value |
|-------------|--------------------------------------|
| Type | 6 Lane Mast Arm |
| Multiplier | 1 |
| Description | SW 10th Street and Powerline Road |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|---|----------|------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 | LF | \$8.32 | \$5,824.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 | LF | \$18.35 | \$5,505.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 | PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 | EA | \$641.65 | \$14,116.30 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 | AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 | LF | \$4.88 | \$292.80 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 | EA | \$1,106.90 | \$1,106.90 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 | EA | \$55,957.62 | \$335,745.72 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 | AS | \$995.45 | \$19,909.00 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 | AS | \$682.09 | \$5,456.72 |
| 660-1-102 | | 20.00 | EA | \$172.57 | \$3,451.40 |

| | | | | |
|-----------|--|----------|-------------|-------------|
| | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | | | |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 AS | \$1,322.11 | \$26,442.20 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 EA | \$229.72 | \$1,837.76 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$259.33 | \$1,037.32 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--|---------------|-------------|-----------------|
| 649-1-11 | STEEL STRAIN POLE, F&I, TYPE PS- IV | 1.00 EA | \$27,407.86 | \$27,407.86 |

Signalizations Component Total

\$485,142.70

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

| Description | | Value | | |
|---------------------------------|--|---------------|------------|-----------------|
| Spacing | | MIN | | |
| Pay Items | | | | |
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 2,399.76 LF | \$8.32 | \$19,966.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 476.32 LF | \$18.35 | \$8,740.47 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 16.00 EA | \$641.65 | \$10,266.40 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 8,764.58 LF | \$2.48 | \$21,736.16 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I- STD, 40' | 16.00 EA | \$6,040.34 | \$96,645.44 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 16.00 EA | \$620.69 | \$9,931.04 |
| Subcomponent Total | | | | \$167,285.51 |
| Lighting Component Total | | | | \$167,285.51 |
| Sequence 2 Total | | | | \$5,681,213.96 |

Sequence: 3NDU - New Construction, Divided, Urban**Net Length:** 1.155 MI
6,100 LF**Description:** SW 10th Street from approximately 1000' east of Powerline Road to Military Trail (Sta. 2066+00 to Sta. 2127+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 39.75 / 44.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 1.155 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 11.83 | AC | \$32,034.82 | \$378,971.92 |
| 120-6 | EMBANKMENT | 20,325.74 | CY | \$27.17 | \$552,250.36 |
| Earthwork Component Total | | | | | \$931,222.28 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 4 |
| Roadway Pavement Width L/R | 32.00 / 29.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 48,338.98 | SY | \$5.84 | \$282,299.64 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 41,344.34 | SY | \$23.11 | \$955,467.70 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 6,821.82 | TN | \$171.48 | \$1,169,805.69 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 3,410.91 | TN | \$139.13 | \$474,559.91 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 2 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|--|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 468.00 | EA | \$4.46 | \$2,087.28 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 9.24 | GM | \$902.22 | \$8,336.51 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 4.62 | GM | \$383.00 | \$1,769.46 |

Peripherals Subcomponent

| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 0.00 |
| Noise Barrier Wall Begin Height | 0.00 |
| Noise Barrier Wall End Height | 0.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--------------------------------------|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 6,100.00 | LF | \$193.50 | \$1,180,350.00 |

Roadway Component Total

\$4,074,676.19

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|--------------|
| Total Outside Shoulder Width L/R | 0.00 / 12.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 0.00 / 10.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 6,099.98 | LF | \$27.17 | \$165,736.46 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 6,777.76 | SY | \$41.10 | \$278,565.94 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|-----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 12,199.97 | LF | \$1.89 | \$23,057.94 |
| 104-11 | FLOATING TURBIDITY BARRIER | 288.82 | LF | \$12.50 | \$3,610.25 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 288.82 | LF | \$4.09 | \$1,181.27 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 2.00 | EA | \$2,083.20 | \$4,166.40 |
| 104-18 | INLET PROTECTION SYSTEM | 59.00 | EA | \$101.77 | \$6,004.43 |
| 107-1 | LITTER REMOVAL | 29.40 | AC | \$49.70 | \$1,461.18 |
| 107-2 | MOWING | 29.40 | AC | \$70.39 | \$2,069.47 |

Shoulder Component Total

\$485,853.34

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-------------------------------|-----------------------------------|---------------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 12,199.97 LF | \$29.08 | \$354,775.13 |
| 570-1-1 | PERFORMANCE TURF | 6,777.76 SY | \$3.13 | \$21,214.39 |
| Median Component Total | | | | \$375,989.52 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|--|---------------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 20.80 CY | \$1,477.99 | \$30,742.19 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 42.00 EA | \$6,251.47 | \$262,561.74 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 12.00 EA | \$8,530.50 | \$102,366.00 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 6.00 EA | \$5,116.81 | \$30,700.86 |
| 425-2-41 | MANHOLES, P-7, <10' | 6.00 EA | \$5,619.79 | \$33,718.74 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 3,056.00 LF | \$180.20 | \$550,691.20 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 272.00 LF | \$230.43 | \$62,676.96 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 5,784.00 LF | \$372.58 | \$2,155,002.72 |
| 570-1-1 | PERFORMANCE TURF | 351.21 SY | \$3.13 | \$1,099.29 |
| Drainage Component Total | | | | \$3,229,559.70 |

INTERSECTIONS COMPONENT**Intersection 1**

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 30th Avenue |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---------------------|---------------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 AC | \$32,034.82 | \$37,801.09 |

| | | | | |
|----------|---|-------------|----------|-------------|
| 120-1 | REGULAR EXCAVATION | 628.29 CY | \$21.41 | \$13,451.69 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,517.01 SY | \$5.84 | \$8,859.34 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,517.01 SY | \$23.11 | \$35,058.10 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 SY | \$23.11 | \$26,136.72 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 TN | \$171.48 | \$31,999.88 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 250.31 TN | \$171.48 | \$42,923.16 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 TN | \$139.13 | \$12,982.22 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 125.15 TN | \$139.13 | \$17,412.12 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 LF | \$27.17 | \$12,851.41 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 SY | \$41.10 | \$10,800.26 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 262.78 SY | \$3.13 | \$822.50 |

Intersection 2**Description**

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 1 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 28th Avenue |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 628.29 | CY | \$21.41 | \$13,451.69 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,517.01 | SY | \$5.84 | \$8,859.34 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,517.01 | SY | \$23.11 | \$35,058.10 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 | TN | \$171.48 | \$31,999.88 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 250.31 | TN | \$171.48 | \$42,923.16 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 | TN | \$139.13 | \$12,982.22 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 125.15 | TN | \$139.13 | \$17,412.12 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |

| | | | | |
|----------|--|-----------|---------|-------------|
| | CONCRETE CURB & GUTTER, TYPE E | | | |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 LF | \$27.17 | \$12,851.41 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 SY | \$41.10 | \$10,800.26 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 262.78 SY | \$3.13 | \$822.50 |

Intersection 3

| Description | Value |
|--------------------------------------|----------------|
| Mainline No. of Left Turn Lanes | 1 |
| Mainline No. of Right Turn Lanes | 1 |
| Mainline Design Speed | 45 |
| Cross Street Thru Lanes | 2 |
| Cross Street No. of Left Turn Lanes | 1 |
| Cross Street No. of Right Turn Lanes | 1 |
| Cross Street Design Speed | 35 |
| T-Intersection? | Y |
| Multiplier | 1 |
| Description | SW 24th Avenue |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------------|---|----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.18 | AC | \$32,034.82 | \$37,801.09 |
| 120-1 | REGULAR EXCAVATION | 772.70 | CY | \$21.41 | \$16,543.51 |
| 160-4 | TYPE B STABILIZATION | 1,130.97 | SY | \$5.84 | \$6,604.86 |
| 160-4 | TYPE B STABILIZATION | 1,865.68 | SY | \$5.84 | \$10,895.57 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,130.97 | SY | \$23.11 | \$26,136.72 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,865.68 | SY | \$23.11 | \$43,115.86 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 186.61 | TN | \$171.48 | \$31,999.88 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 307.84 | TN | \$171.48 | \$52,788.40 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 93.31 | TN | \$139.13 | \$12,982.22 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 153.92 | TN | \$139.13 | \$21,414.89 |
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 101.42 | LF | \$29.08 | \$2,949.29 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 473.00 | LF | \$27.17 | \$12,851.41 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 335.00 | LF | \$44.08 | \$14,766.80 |
| 520-5-11 | TRAF SEP CONC-TYPE I, 4' WIDE | 195.00 | LF | \$44.08 | \$8,595.60 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 262.78 | SY | \$41.10 | \$10,800.26 |
| 522-2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" | 86.94 | SY | \$52.59 | \$4,572.17 |
| 570-1-1 | PERFORMANCE TURF | 262.78 | SY | \$3.13 | \$822.50 |
| Intersections Component Total | | | | | \$892,815.45 |

SIGNING COMPONENT

| Pay Items | | | | | |
|--------------------------------|--------------------------------------|-----------------|-------------|-------------------|------------------------|
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 28.00 | AS | \$351.72 | \$9,848.16 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 3.00 | AS | \$1,060.06 | \$3,180.18 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51-100 SF | 3.00 | AS | \$7,377.86 | \$22,133.58 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101-200 SF | 3.00 | AS | \$9,107.62 | \$27,322.86 |
| Signing Component Total | | | | | \$62,484.78 |

SIGNALIZATIONS COMPONENT

| Signalization 1 | | | | | |
|---------------------------------------|--|-----------------|-------------|-------------------|------------------------|
| Description | Value | | | | |
| Type | 4 Lane Mast Arm | | | | |
| Multiplier | 1 | | | | |
| Description | SW 28th Avenue | | | | |
| Pay Items | | | | | |
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 750.00 | LF | \$8.32 | \$6,240.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 250.00 | LF | \$18.35 | \$4,587.50 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 | PI | \$5,636.15 | \$5,636.15 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 16.00 | EA | \$641.65 | \$10,266.40 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 | AS | \$2,677.51 | \$2,677.51 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 | LF | \$4.88 | \$292.80 |
| 649-21-10 | STEEL MAST ARM ASSEMBLY, F&I, 60' | 4.00 | EA | \$40,041.33 | \$160,165.32 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 12.00 | AS | \$995.45 | \$11,945.40 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 | AS | \$682.09 | \$5,456.72 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 12.00 | EA | \$172.57 | \$2,070.84 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 12.00 | AS | \$1,322.11 | \$15,865.32 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 | EA | \$229.72 | \$1,837.76 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 | AS | \$28,696.06 | \$28,696.06 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 | EA | \$259.33 | \$1,037.32 |
| Signalizations Component Total | | | | | \$256,775.10 |

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

| Description | Value |
|--------------------|--------------|
|--------------------|--------------|

| Spacing | | MIN | | | |
|-------------------------|---|-----------|------|------------|-----------------|
| Pay Items | | | | | |
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 6,099.98 | LF | \$8.32 | \$50,751.83 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 1,210.75 | LF | \$18.35 | \$22,217.26 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 41.00 | EA | \$641.65 | \$26,307.65 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 22,278.81 | LF | \$2.48 | \$55,251.45 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 41.00 | EA | \$6,040.34 | \$247,653.94 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 41.00 | EA | \$620.69 | \$25,448.29 |
| | Subcomponent Total | | | | \$427,630.42 |
| | Lighting Component Total | | | | \$427,630.42 |
| <hr/> | | | | | |
| Sequence 3 Total | | | | | \$10,737,006.78 |
| <hr/> | | | | | |

Sequence: 4 NDU - New Construction, Divided, Urban**Net Length:** 0.530 MI
2,800 LF**Description:** Powerline Road from West Drive to approximately 1000' south of SW 10th Street.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 55.75 / 55.75 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.530 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------|------|-------------|---------------------|
| 110-1-1 | CLEARING & GRUBBING | 7.16 | AC | \$32,034.82 | \$229,369.31 |
| 120-6 | EMBANKMENT | 10,157.16 | CY | \$27.17 | \$275,970.04 |
| Earthwork Component Total | | | | | \$505,339.35 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 40.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|-----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 28,099.39 | SY | \$5.84 | \$164,100.44 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 24,888.75 | SY | \$23.11 | \$575,179.01 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 4,106.64 | TN | \$171.48 | \$704,206.63 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 2,053.32 | TN | \$139.13 | \$285,678.41 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--|---------------|------------|-----------------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 358.00 EA | \$4.46 | \$1,596.68 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 4.24 GM | \$902.22 | \$3,825.41 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 4.24 GM | \$383.00 | \$1,623.92 |
| Roadway Component Total | | | | \$1,736,210.50 |

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 8.25 / 8.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Sidewalk Width L/R | 6.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|---------------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,799.98 LF | \$27.17 | \$76,075.46 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,799.98 LF | \$27.17 | \$76,075.46 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 3,733.31 SY | \$41.10 | \$153,439.04 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|--|---------------|------------|---------------------|
| 104-10-3 | SEDIMENT BARRIER | 5,599.97 LF | \$1.89 | \$10,583.94 |
| 104-11 | FLOATING TURBIDITY BARRIER | 132.57 LF | \$12.50 | \$1,657.12 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 132.57 LF | \$4.09 | \$542.21 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 EA | \$2,083.20 | \$2,083.20 |
| 104-18 | INLET PROTECTION SYSTEM | 28.00 EA | \$101.77 | \$2,849.56 |
| 107-1 | LITTER REMOVAL | 13.50 AC | \$49.70 | \$670.95 |
| 107-2 | MOWING | 13.50 AC | \$70.39 | \$950.27 |
| Shoulder Component Total | | | | \$324,927.22 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 15.50 |
| Performance Turf Width | 10.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--------------------------------|---------------|------------|-----------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 5,599.97 LF | \$29.08 | \$162,847.13 |
| 570-1-1 | PERFORMANCE TURF | 3,111.09 SY | \$3.13 | \$9,737.71 |

Median Component Total

\$172,584.84

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|---------------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 9.55 CY | \$1,477.99 | \$14,114.80 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 20.00 EA | \$6,251.47 | \$125,029.40 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 6.00 EA | \$8,530.50 | \$51,183.00 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 3.00 EA | \$5,116.81 | \$15,350.43 |
| 425-2-41 | MANHOLES, P-7, <10' | 3.00 EA | \$5,619.79 | \$16,859.37 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 1,408.00 LF | \$180.20 | \$253,721.60 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 128.00 LF | \$230.43 | \$29,495.04 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 2,656.00 LF | \$372.58 | \$989,572.48 |
| 570-1-1 | PERFORMANCE TURF | 161.21 SY | \$3.13 | \$504.59 |
| Drainage Component Total | | | | \$1,495,830.71 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--------------------------------------|---------------|------------|-----------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 13.00 AS | \$351.72 | \$4,572.36 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 2.00 AS | \$1,060.06 | \$2,120.12 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51-100 SF | 2.00 AS | \$7,377.86 | \$14,755.72 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101-200 SF | 2.00 AS | \$9,107.62 | \$18,215.24 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--|---------------|--------------|---------------------|
| 700-4-111 | OH STATIC SIGN STR, F&I, C UP TO 20 FT | 2.00 EA | \$42,470.64 | \$84,941.28 |
| 700-4-121 | OH STATIC SIGN STR, F&I, S UP TO 20 FT | 2.00 EA | \$108,189.34 | \$216,378.68 |
| Signing Component Total | | | | \$340,983.40 |

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

| Description | Value | | | |
|-------------|---------------------------------|---------------|------------|-----------------|
| Spacing | MIN | | | |
| Pay Items | | | | |
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 2,799.98 LF | \$8.32 | \$23,295.83 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 555.75 LF | \$18.35 | \$10,198.01 |
| 635-2-11 | | 19.00 EA | \$641.65 | \$12,191.35 |

| | | | | |
|-----------|---|--------------|------------|----------------|
| | PULL & SPLICE BOX, F&I, 13" x 24" | | | |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 10,226.31 LF | \$2.48 | \$25,361.25 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 19.00 EA | \$6,040.34 | \$114,766.46 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 19.00 EA | \$620.69 | \$11,793.11 |
| | Subcomponent Total | | | \$197,606.01 |
| | Lighting Component Total | | | \$197,606.01 |
| <hr/> | | | | |
| | Sequence 4 Total | | | \$4,773,482.03 |
| <hr/> | | | | |

Draft

Sequence: 5NDR - New Construction, Divided, Rural

Net Length: 2.292 MI
12,100 LF

Description: Express Lane section along SW 10th Street from Florida's Turnpike to Military Trail, at-grade.

EARTHWORK COMPONENT

User Input Data

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 50.50 / 50.50 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.000 |
| Top of Structural Course For Begin Section | 0.00 |
| Top of Structural Course For End Section | 0.00 |
| Horizontal Elevation For Begin Section | 0.00 |
| Horizontal Elevation For End Section | 0.00 |
| Front Slope L/R | 0 to 1 / 0 to 1 |
| Median Slope L/R | 0 to 1 / 0 to 1 |
| Median Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Outside Shoulder Cross Slope L/R | 0.00 % / 0.00 % |
| Roadway Cross Slope L/R | 0.00 % / 0.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 28.06 | AC | \$32,034.82 | \$898,897.05 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------|------------|------|------------|-----------------|
| 120-6 | EMBANKMENT | 196,500.00 | CY | \$27.17 | \$5,338,905.00 |

Earthwork Component Total \$6,237,802.05

ROADWAY COMPONENT

User Input Data

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 4 |
| Roadway Pavement Width L/R | 24.00 / 24.00 |
| Structural Spread Rate | 0 |
| Friction Course Spread Rate | 80 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|------------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 129,068.54 | SY | \$5.84 | \$753,760.27 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 66,308.96 | SY | \$23.11 | \$1,532,400.07 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22 | 2,581.37 | TN | \$139.13 | \$359,146.01 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|------------------------------------|-----------|------|------------|-----------------|
| 521-5-4 | CONC TRAF RAIL- BRG, 32" VERT FACE | 24,200.00 | LF | \$95.12 | \$2,301,904.00 |

Pavement Marking Subcomponent

| Description | Value |
|-------------|-------|
|-------------|-------|

| | |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--|---------------|------------|-----------------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 928.00 EA | \$4.46 | \$4,138.88 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 18.33 GM | \$902.22 | \$16,537.69 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 9.17 GM | \$383.00 | \$3,512.11 |
| Roadway Component Total | | | | \$4,971,399.03 |

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|---------------|
| Total Outside Shoulder Width L/R | 12.00 / 12.00 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Paved Outside Shoulder Width L/R | 12.00 / 12.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips i ₂ 1/2 No. of Sides | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|---------------|------------|-----------------|
| 285-704 | OPTIONAL BASE,BASE GROUP 04 | 33,154.48 SY | \$21.30 | \$706,190.42 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 1,774.69 TN | \$171.48 | \$304,323.84 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 1,290.69 TN | \$262.36 | \$338,625.43 |
| 546-72-1 | GROUND-IN RUMBLE STRIPS, 16" | 4.58 GM | \$1,205.93 | \$5,523.16 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--|---------------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 31,460.46 LF | \$1.89 | \$59,460.27 |
| 104-11 | FLOATING TURBIDITY BARRIER | 572.93 LF | \$12.50 | \$7,161.62 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 572.93 LF | \$4.09 | \$2,343.28 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 3.00 EA | \$2,083.20 | \$6,249.60 |
| 104-18 | INLET PROTECTION SYSTEM | 14.00 EA | \$101.77 | \$1,424.78 |
| 107-1 | LITTER REMOVAL | 55.55 AC | \$49.70 | \$2,760.84 |
| 107-2 | MOWING | 55.55 AC | \$70.39 | \$3,910.16 |

Shoulder Component Total**\$1,437,973.41**

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|--|---------------|
| Total Median Width | 26.00 |
| Performance Turf Width | 0.00 |
| Total Median Shoulder Width L/R | 12.00 / 12.00 |
| Paved Median Shoulder Width L/R | 12.00 / 12.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips $\frac{1}{2}$ No. of Sides | 2 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------------------------|--|-----------|------|------------|-----------------------|
| 285-704 | OPTIONAL BASE,BASE GROUP 04 | 33,154.48 | SY | \$21.30 | \$706,190.42 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 1,774.69 | TN | \$171.48 | \$304,323.84 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 1,290.69 | TN | \$262.36 | \$338,625.43 |
| 521-1-11 | MEDIAN CONC BARRIER, 38" HEIGHT | 12,100.00 | LF | \$197.19 | \$2,385,999.00 |
| 546-72-1 | GROUND-IN RUMBLE STRIPS, 16" | 5.00 | GM | \$1,205.93 | \$6,029.65 |
| Median Component Total | | | | | \$3,741,168.34 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|------------------------------|----------|------|------------|-----------------|
| 425-1-551 | INLETS, DT BOT, TYPE E, <10' | 110.00 | EA | \$6,856.78 | \$754,245.80 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|---|-----------|------|------------|-----------------------|
| 425-1-791 | INLETS, MED BARRIER, TYPE 2, J BOT,<=10' | 55.00 | EA | \$5,600.00 | \$308,000.00 |
| 430-175-118 | PIPE CULV, OPT MATL, ROUND, 18"S/CD | 5,560.00 | LF | \$149.67 | \$832,165.20 |
| 430-175-130 | PIPE CULV, OPT MATL, ROUND, 30"S/CD | 12,104.00 | LF | \$268.84 | \$3,254,039.36 |
| 430-175-172 | PIPE CULV, OPT MATL, ROUND, 72"S/CD | 904.00 | LF | \$521.18 | \$471,146.72 |
| Drainage Component Total | | | | | \$5,619,597.08 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|------------|-----------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 5.00 | AS | \$351.72 | \$1,758.60 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12- 20 SF | 56.00 | AS | \$1,060.06 | \$59,363.36 |
| 700-2-14 | MULTI- POST SIGN, F&I GM, 31-50 SF | 5.00 | AS | \$4,857.14 | \$24,285.70 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 14.00 | AS | \$7,377.86 | \$103,290.04 |

Signing Component Total

\$188,697.70

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT**Description of Work****X-Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|--|-----------------|-------------|-------------------|------------------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 7,667.00 | LF | \$8.32 | \$63,789.44 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 2,556.00 | LF | \$18.35 | \$46,902.60 |
| 633-1-122 | FIBER OPTIC CABLE, F&I, UG,13-48 | 4,646.00 | LF | \$3.79 | \$17,608.34 |
| 633-1-124 | FIBER OPTIC CABLE, F&I, UG,97-144 | 9,293.00 | LF | \$4.00 | \$37,172.00 |
| 633-2-31 | FIBER OPTIC CONNECTION, INSTALL, SPLICE | 323.00 | EA | \$51.31 | \$16,573.13 |
| 633-3-11 | FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE | 16.00 | EA | \$942.34 | \$15,077.44 |
| 633-3-12 | FIBER OPTIC CONN HDWR, SPLICE TRAY | 16.00 | EA | \$69.21 | \$1,107.36 |
| 633-3-13 | FIBER OPTIC CONN HDWR, PRETERM CONNECT A | 16.00 | EA | \$77.50 | \$1,240.00 |
| 633-3-15 | FIBER OPTIC CONN HDWR, PRETERM PATCH PAN | 16.00 | EA | \$1,793.95 | \$28,703.20 |
| 633-8-1 | MULTI-CONDUCTOR COMMUNICATION CABLE, F&I | 4,740.00 | LF | \$4.24 | \$20,097.60 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 19.00 | EA | \$641.65 | \$12,191.35 |
| 635-2-12 | PULL & SPLICE BOX, F&I, 24" X 36" | 16.00 | EA | \$1,280.05 | \$20,480.80 |
| 639-1-122 | ELECTRICAL POWER SRV,F&I, UG,PUR CONT | 1.00 | AS | \$2,651.78 | \$2,651.78 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 30,666.00 | LF | \$4.88 | \$149,650.08 |
| 641-3-169 | CONCRETE CCTV POLE, FUR & INS W/LOW | 4.00 | EA | \$29,728.00 | \$118,912.00 |
| 660-3-11 | VEHICLE DETECTION SYSTEM-MICRO,F&I, CAB | 7.00 | EA | \$2,250.00 | \$15,750.00 |
| 660-3-12 | VEHICLE DETECTION SYSTEM-MICRO,F&I, ABO | 7.00 | EA | \$13,500.00 | \$94,500.00 |
| 676-2-122 | ITS CABINET- F&I, POLE, 336S | 8.00 | EA | \$6,600.00 | \$52,800.00 |
| 676-2-143 | ITS CABINET- F&I, BASE, 334 | 8.00 | EA | \$10,633.33 | \$85,066.64 |
| 676-2-400 | ITS CABINET- RELOCATE | 2.00 | EA | \$2,708.64 | \$5,417.28 |
| 682-1-111 | ITS CCTV CAMERA, F&I, DOME ENCL-PRES. | 4.00 | EA | \$7,180.53 | \$28,722.12 |
| 684-1-1 | MANAGED FIELD ETHERNET SWITCH, F&I | 17.00 | EA | \$3,711.50 | \$63,095.50 |
| 684-2-1 | DEVICE SERVER, F&I | 7.00 | EA | \$1,500.00 | \$10,500.00 |
| 684-3-11 | DIGITAL VIDEO ENC W SO, F&I HARD ENCODER | 4.00 | EA | \$2,917.45 | \$11,669.80 |

EX-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|--|-----------------|-------------|-------------------|------------------------|
| 639-5-1 | EMERGENCY GENERATOR-PERMANENT, UP TO 25 KW | 2.00 | EA | \$39,679.10 | \$79,358.20 |

| | | | | |
|---|--------------------------------|---------|--------------|-----------------------|
| 641-2-13 | PREST CNC POLE, F&I, TYP P-III | 7.00 EA | \$9,785.71 | \$68,499.97 |
| 78X-XX-XXX | TOLL GANTRY SYSTEM, 2 LANE | 2.00 EA | \$800,000.00 | \$1,600,000.00 |
| Intelligent Traffic System (ITS) Component Total | | | | \$2,667,536.63 |

LIGHTING COMPONENT

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|---|-----------|------|---------------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 12,100.00 | LF | \$8.32 | \$100,672.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 2,400.00 | LF | \$18.35 | \$44,040.00 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 81.00 | EA | \$641.65 | \$51,973.65 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 45,000.00 | LF | \$2.48 | \$111,600.00 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 81.00 | EA | \$6,040.34 | \$489,267.54 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 81.00 | EA | \$620.69 | \$50,275.89 |
| Lighting Component Total | | | | \$847,829.08 | |

| | | | | |
|-------------------------|--|--|--|------------------------|
| Sequence 5 Total | | | | \$25,712,003.32 |
|-------------------------|--|--|--|------------------------|

Sequence: 6 MIS - Miscellaneous Construction**Net Length:** 2.292 MI
12,100 LF**Description:** All bridge sections along SW 10th Street.**BRIDGES COMPONENT****Bridge 1**

| Description | Value |
|-------------------------------------|------------------------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 830.00 |
| Width (LF) | 101.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$226.46 |
| Basic Bridge Cost | \$18,861,750.00 |
| Description | EXPRESS BRIDGE OVER POWERLINE ROAD |

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|------------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 224.44 | CY | \$370.90 | \$83,244.80 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 39,277.00 | LB | \$0.99 | \$38,884.23 |
| Bridge 1 Total | | | | | \$18,983,879.03 |

Bridge 2

| Description | Value |
|-------------------------------------|---|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 1,000.00 |
| Width (LF) | 51.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$226.21 |
| Basic Bridge Cost | \$11,475,000.00 |
| Description | EB EXPRESS LANES BRAIDED RAMP AT WATERWAYS BOULEVARD. |

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------------|-------------------------------|-----------|------|------------|------------------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 113.33 | CY | \$370.90 | \$42,034.10 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 19,832.75 | LB | \$0.99 | \$19,634.42 |
| Bridge 2 Total | | | | | \$11,536,668.52 |

Bridges Component Total

\$30,520,547.55

MISCELLANEOUS COMPONENT**X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------------|-----------------------------------|----------------------|-------------------|------------------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 136,000.00 SF | \$27.97 | \$3,803,920.00 |

Miscellaneous Component Total

\$3,803,920.00

Sequence 6 Total

\$34,324,467.55

Draft

Sequence: 7 MIS - Miscellaneous Construction

Net Length: 0.000 MI
0 LF

Description: NOISE WALLS

ROADWAY COMPONENT

Peripherals Subcomponent

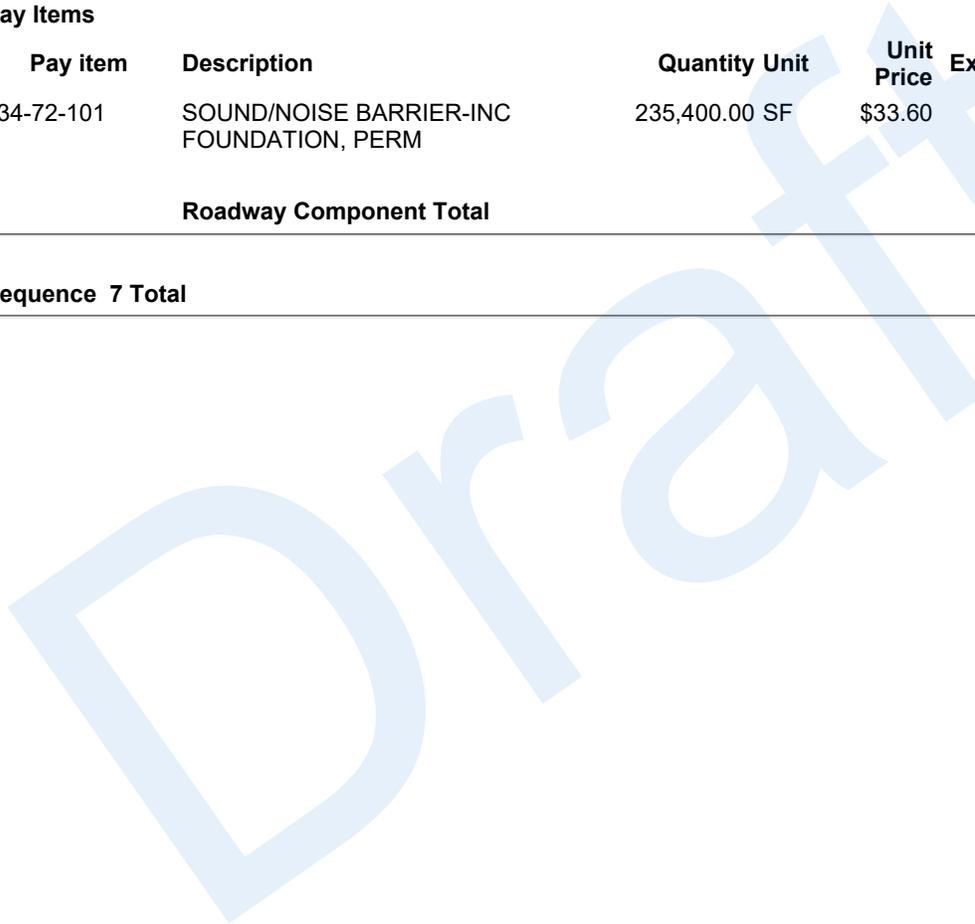
| Description | Value |
|----------------------------------|-------------|
| Off Road Bike Path(s) | 0 |
| Off Road Bike Path Width L/R | 0.00 / 0.00 |
| Bike Path Structural Spread Rate | 0 |
| Noise Barrier Wall Length | 10,700.00 |
| Noise Barrier Wall Begin Height | 22.00 |
| Noise Barrier Wall End Height | 22.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|--|------------|------|------------|-----------------|
| 534-72-101 | SOUND/NOISE BARRIER-INC FOUNDATION, PERM | 235,400.00 | SF | \$33.60 | \$7,909,440.00 |

Roadway Component Total \$7,909,440.00

Sequence 7 Total \$7,909,440.00



Sequence: 8 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Miscellaneous Construction.**ROADWAY COMPONENT****X-Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|-----------------|-------------|-------------------|------------------------|
| 999-20-1 | DISPUTES REVIEW BD, MEETING- DO NOT BID | 1.00 | DA | \$3,300.00 | \$3,300.00 |
| 999-20-2 | DISPUTES REVIEW BD, HEARING- DO NOT BID | 2.00 | EA | \$4,000.00 | \$8,000.00 |
| Roadway Component Total | | | | | \$11,300.00 |
| Sequence 8 Total | | | | | \$11,300.00 |

Draft

Date: 3/26/2019 12:10:30 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12 Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 21 Project Grand Total**\$125,577,488.63**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 246 - NO DEPRESSED, NO RAMPS. 2019 LRE UPDATE.

Project Sequences Subtotal **\$97,753,373.73**

| | | | |
|-------|------------------------|---------|----------------|
| 102-1 | Maintenance of Traffic | 10.00 % | \$9,775,337.37 |
| 101-1 | Mobilization | 8.00 % | \$8,602,296.89 |

Project Sequences Total **\$116,131,007.99**

| | | |
|------------------|--------|----------------|
| Project Unknowns | 0.00 % | \$0.00 |
| Design/Build | 8.00 % | \$9,290,480.64 |

Non-Bid Components:

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|--------------|-----------------|
| 999-16 | PARTNERING (DO NOT BID) | 2.00 | LS | \$3,000.00 | \$6,000.00 |
| 999-25 | INITIAL CONTINGENCY AMOUNT (DO NOT BID) | | LS | \$150,000.00 | \$150,000.00 |

Project Non-Bid Subtotal **\$156,000.00****Version 21 Project Grand Total** **\$125,577,488.63**

Preferred Alternative
Depressed Westbound Exit
Ramp Alternative

Draft

Date: 9/24/2019 11:37:45 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12 Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 25 Project Grand Total

\$259,800,587.06

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 449 - PARTIALLY DEPRESSED.

Sequence: 1 NDR - New Construction, Divided, Rural

Net Length: 2.462 MI
13,000 LF

Description: Managed Lanes, 4 lanes with full shoulders and barrier walls. Includes ITS and Tolling. 3 OH signs for each egress ramp (WB to sawgrass CD, WB and EB to Local), 3 OH truss for EB SG to local.

EARTHWORK COMPONENT

User Input Data

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 60.00 / 60.00 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 2.462 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 6 to 1 / 6 to 1 |
| Median Slope L/R | 6 to 1 / 6 to 1 |
| Median Shoulder Cross Slope L/R | 5.00 % / 5.00 % |
| Outside Shoulder Cross Slope L/R | 6.00 % / 6.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---------------------|---------------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 35.81 AC | \$39,948.96 | \$1,430,572.26 |
| 120-6 | EMBANKMENT | 38,208.49 CY | \$27.03 | \$1,032,775.48 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---|---------------|------------|-----------------|
| 120-6 | EMBANKMENT | 312,952.00 CY | \$27.03 | \$8,459,092.56 |
| | Comment: EMBANKMENT FOR RETAINING WALLS - SEE CADD | | | |

Earthwork Component Total

\$10,922,440.30

ROADWAY COMPONENT

User Input Data

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 4 |
| Roadway Pavement Width L/R | 24.00 / 24.00 |
| Structural Spread Rate | 440 |
| Friction Course Spread Rate | 80 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|---------------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 138,665.47 SY | \$6.16 | \$854,179.30 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 71,239.39 SY | \$26.67 | \$1,899,954.53 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 15,253.20 TN | \$171.59 | \$2,617,296.59 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 2,773.31 TN | \$205.35 | \$569,499.21 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|--|---------------|------------|-----------------|
| 521-72-27 | SHLDR CONC BAR WALL, 14' NOISE WALL Comment: NOISE WALL FOR RETAINING WALL ID 10 | 1,187.00 LF | \$561.67 | \$666,702.29 |
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT Comment: SHOULDER BARRIER FOR LENGFTH OF SEQUENCE, LEFT AND RIGHT SHOULDERS | 11,813.00 LF | \$193.50 | \$2,285,815.50 |
| 999-20-1 | DISPUTES REVIEW BD, MEETING- DO NOT BID Comment: 1 meeting per month for 48 months. | 48.00 DA | \$3,300.00 | \$158,400.00 |
| 999-20-2 | DISPUTES REVIEW BD, HEARING- DO NOT BID | 2.00 EA | \$4,000.00 | \$8,000.00 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|------------|--|---------------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 997.00 EA | \$4.39 | \$4,376.83 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 19.70 GM | \$849.98 | \$16,744.61 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 9.85 GM | \$381.95 | \$3,762.21 |

Roadway Component Total

\$9,084,731.07

SHOULDER COMPONENT
User Input Data

| Description | Value |
|---|---------------|
| Total Outside Shoulder Width L/R | 12.00 / 12.00 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Paved Outside Shoulder Width L/R | 12.00 / 12.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | O |
| Rumble Strips 1/2 No. of Sides | 0 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|-----------|------|------------|-----------------|
| 285-704 | OPTIONAL BASE,BASE GROUP 04 | 35,619.69 | SY | \$21.30 | \$758,699.40 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 1,906.65 | TN | \$171.59 | \$327,162.07 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC-5,PG76-22 | 76.27 | TN | \$205.35 | \$15,662.04 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|-----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 33,799.71 | LF | \$1.88 | \$63,543.45 |
| 104-11 | FLOATING TURBIDITY BARRIER | 615.52 | LF | \$15.54 | \$9,565.18 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 615.52 | LF | \$9.50 | \$5,847.44 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 3.00 | EA | \$2,489.62 | \$7,468.86 |
| 104-18 | INLET PROTECTION SYSTEM | 15.00 | EA | \$113.17 | \$1,697.55 |
| 107-1 | LITTER REMOVAL | 59.68 | AC | \$40.09 | \$2,392.57 |
| 107-2 | MOWING | 59.68 | AC | \$68.09 | \$4,063.61 |

Shoulder Component Total

\$1,196,102.17

MEDIAN COMPONENT
User Input Data

| Description | Value |
|----------------------------------|---------------|
| Total Median Width | 26.00 |
| Performance Turf Width | 0.00 |
| Total Median Shoulder Width L/R | 12.00 / 12.00 |
| Paved Median Shoulder Width L/R | 12.00 / 12.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 80 |
| Total Width (T) / 8" Overlap (O) | O |
| Rumble Strips 1/2 No. of Sides | 0 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--------------------------|-----------|------|------------|-----------------|
| 285-704 | OPTIONAL BASE,BASE GROUP | 35,619.69 | SY | \$21.30 | \$758,699.40 |

| | | | | |
|----------|--|--------------|----------|----------------|
| | 04 | | | |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 1,906.65 TN | \$171.59 | \$327,162.07 |
| 337-7-25 | ASPH CONC FC,INC BIT,FC- 5,PG76-22 | 76.27 TN | \$205.35 | \$15,662.04 |
| 521-1-11 | MEDIAN CONC BARRIER, 38" HEIGHT | 13,000.00 LF | \$103.50 | \$1,345,500.00 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--|---------------|------------|-----------------|
| 521-1-13 | MEDIAN CONC BARRIER, TALL GRADE SEP | 13,000.00 LF | \$274.67 | \$3,570,710.00 |
| | Comment: VARIABLE GRADE WALL FOR SOUTH SIDE SHOULDER TO ACCOUNT FOR POSSIBLE ELEVATION DIFFERENCES IN LIEU OF RETAINING WALL | | | |

Median Component Total

\$6,017,733.51

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-------------|--|---------------|------------|-----------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 44.32 CY | \$2,500.00 | \$110,800.00 |
| 425-1-551 | INLETS, DT BOT, TYPE E, <10' | 15.00 EA | \$7,279.51 | \$109,192.65 |
| 430-174-124 | PIPE CULV, OPT MATL, ROUND,24"SD | 1,976.00 LF | \$463.20 | \$915,283.20 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 848.00 LF | \$206.83 | \$175,391.84 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 728.00 LF | \$332.35 | \$241,950.80 |
| 430-984-129 | MITERED END SECT, OPTIONAL RD, 24" SD | 99.00 EA | \$3,868.31 | \$382,962.69 |
| 524-1-1 | CONCRETE DITCH PAVT, NR, 3" | 4,924.20 SY | \$68.71 | \$338,341.78 |
| 570-1-1 | PERFORMANCE TURF | 1,733.32 SY | \$2.71 | \$4,697.30 |

Drainage Component Total

\$2,278,620.26

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|---|---------------|------------|-----------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 5.00 AS | \$355.55 | \$1,777.75 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12- 20 SF | 60.00 AS | \$1,094.88 | \$65,692.80 |
| 700-2-14 | MULTI- POST SIGN, F&I GM, 31-50 SF | 5.00 AS | \$4,634.84 | \$23,174.20 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51- 100 SF | 15.00 AS | \$7,252.41 | \$108,786.15 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------|---------------|------------|-----------------|
|----------|-------------|---------------|------------|-----------------|

| | | | | |
|--------------------------------|---|---------|--------------|-----------------------|
| 700-4-112 | OH STATIC SIGN STR, F&I, C 21-30 FT Comment: 3 signs along the WB managed lanes for Lyons Road. | 3.00 EA | \$61,328.28 | \$183,984.84 |
| 700-4-114 | OH STATIC SIGN STR, F&I, C 41-50 FT Comment: ML SIGNS 3 AND 4 | 2.00 EA | \$85,440.00 | \$170,880.00 |
| 700-4-125 | OH STATIC SIGN STR, F&I, S 51-100 FT Comment: ML SIGNS 1,5,6,7 | 4.00 EA | \$197,000.00 | \$788,000.00 |
| 700-4-126 | OH STATIC SIGN STR, F&I, S 101-150 FT Comment: ML SIGN 2 | 1.00 EA | \$166,808.64 | \$166,808.64 |
| 700-9-137 | WALK-IN DYN MESS SIGN,F&I, FULL,201- | 3.00 EA | \$139,519.81 | \$418,559.43 |
| 700-10-115 | DMS SUPPORT STRUCTURE, SPAN, 51-100 FT | 3.00 EA | \$131,989.97 | \$395,969.91 |
| Signing Component Total | | | | \$2,323,633.72 |

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--|-----------|------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 17,925.00 | LF | \$9.55 | \$171,183.75 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 4,482.00 | LF | \$19.32 | \$86,592.24 |
| 630-2-14 | CONDUIT, F& I, ABOVEGROUND | 259.00 | LF | \$24.36 | \$6,309.24 |
| 633-1-122 | FIBER OPTIC CABLE, F&I, UG,13-48 | 7,461.00 | LF | \$4.50 | \$33,574.50 |
| 633-1-123 | FIBER OPTIC CABLE, F&I, UG,49-96 | 35,393.00 | LF | \$3.54 | \$125,291.22 |
| 633-2-31 | FIBER OPTIC CONNECTION, INSTALL, SPLICE | 193.00 | EA | \$47.22 | \$9,113.46 |
| 633-3-11 | FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE | 9.00 | EA | \$976.44 | \$8,787.96 |
| 633-3-15 | FIBER OPTIC CONN HDWR, PRETERM PATCH PAN | 15.00 | EA | \$1,856.18 | \$27,842.70 |
| 633-8-1 | MULTI-CONDUCTOR COMMUNICATION CABLE, F&I | 3,140.00 | LF | \$9.14 | \$28,699.60 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 94.00 | EA | \$654.27 | \$61,501.38 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 11,727.00 | LF | \$4.99 | \$58,517.73 |
| 639-3-12 | ELEC SERV DISCON, F&I, CABINET | 10.00 | EA | \$665.48 | \$6,654.80 |
| 641-3-163 | CONCRETE CCTV POLE, FUR & INS W/LOW | 10.00 | EA | \$21,960.41 | \$219,604.10 |
| 660-3-11 | VEHICLE DETECTION SYSTEM-MICRO,F&I, CAB | 12.00 | EA | \$1,113.06 | \$13,356.72 |
| 660-3-12 | VEHICLE DETECTION SYSTEM-MICRO,F&I, ABO | 12.00 | EA | \$9,105.95 | \$109,271.40 |
| 676-2-111 | ITS CABINET- F&I, POLE, 336 | 12.00 | EA | \$5,328.40 | \$63,940.80 |

| | | | | |
|-----------|---------------------------------------|----------|------------|-------------|
| 682-1-111 | ITS CCTV CAMERA, F&I, DOME ENCL-PRES. | 7.00 EA | \$8,208.12 | \$57,456.84 |
| 684-1-1 | MANAGED FIELD ETHERNET SWITCH, F&I | 9.00 EA | \$3,682.88 | \$33,145.92 |
| 684-2-1 | DEVICE SERVER, F&I | 12.00 EA | \$915.51 | \$10,986.12 |

EX-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---|------------------------|---------------|----------------|-----------------------|
| 1 | DATA COLLECTION GANTRY | 2.00 LS | \$1,720,800.00 | \$3,441,600.00 |
| Intelligent Traffic System (ITS) Component Total | | | | \$4,573,430.48 |

LIGHTING COMPONENT

Rural Lighting Subcomponent

| Description | | | | Value |
|---------------------------------|---|---------------|------------|-----------------------|
| Multiplier (Number of Poles) | | | | 90 |
| Pay Items | | | | |
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 18,000.00 LF | \$9.55 | \$171,900.00 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 90.00 EA | \$654.27 | \$58,884.30 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 54,000.00 LF | \$2.60 | \$140,400.00 |
| 715-4-14 | LIGHT POLE COMPLETE, F&I-STD, 45' | 90.00 EA | \$7,558.48 | \$680,263.20 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 90.00 EA | \$608.05 | \$54,724.50 |
| Subcomponent Total | | | | \$1,106,172.00 |
| Lighting Component Total | | | | \$1,106,172.00 |

BRIDGES COMPONENT

Bridge ML1

| Description | Value |
|-------------------------------------|------------------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 261.00 |
| Width (LF) | 101.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$230.85 |
| Basic Bridge Cost | \$5,931,225.00 |
| Description | MANAGED LANES OVER POWERLINE |

Bridge Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------------------|---------------|------------|-----------------|
| 400-2-10 | CONC CLASS II, APPROACH | 224.44 CY | \$509.78 | \$114,415.02 |

Bridge Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|-------------------------------|---------------|------------|-----------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 138.89 CY | \$509.78 | \$70,803.34 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 24,305.75 LB | \$1.01 | \$24,548.81 |
| Bridge ML4 Total | | | | \$14,157,852.15 |
| Bridges Component Total | | | | \$23,930,792.33 |

RETAINING WALLS COMPONENT

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---|--------------------------------------|---------------|------------|-----------------|
| 521-8-3 | CONC TRAF RAIL BAR,JCT SLAB,32"V SHP | 11,236.00 LF | \$328.67 | \$3,692,936.12 |
| Comment: RAILING FOR RETAINING WALLS | | | | |

Retaining Wall 1

| Description | Value |
|--------------|----------|
| Length | 1,433.00 |
| Begin height | 4.00 |
| End Height | 28.50 |
| Multiplier | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|---------------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 46,572.50 SF | \$26.74 | \$1,245,348.65 |

Retaining Wall 2

| Description | Value |
|--------------|--------|
| Length | 101.00 |
| Begin height | 28.50 |
| End Height | 28.50 |
| Multiplier | 1 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|---------------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 2,878.50 SF | \$26.74 | \$76,971.09 |

Retaining Wall 3

| Description | Value |
|--------------|--------|
| Length | 365.00 |
| Begin height | 31.70 |
| End Height | 29.50 |
| Multiplier | 2 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------|---------------|------------|-----------------|
|----------|-------------|---------------|------------|-----------------|

| | | | | |
|--------|-----------------------------------|--------------|---------|--------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 22,338.00 SF | \$26.74 | \$597,318.12 |
|--------|-----------------------------------|--------------|---------|--------------|

Retaining Wall 4

| Description | Value |
|--------------|--------|
| Length | 101.00 |
| Begin height | 31.70 |
| End Height | 31.70 |
| Multiplier | 1 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|----------|------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 3,201.70 | SF | \$26.74 | \$85,613.46 |

Retaining Wall 5

| Description | Value |
|--------------|--------|
| Length | 101.00 |
| Begin height | 29.50 |
| End Height | 29.50 |
| Multiplier | 1 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|----------|------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 2,979.50 | SF | \$26.74 | \$79,671.83 |

Retaining Wall 6

| Description | Value |
|--------------|--------|
| Length | 970.00 |
| Begin height | 24.50 |
| End Height | 4.00 |
| Multiplier | 2 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|-----------|------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 27,645.00 | SF | \$26.74 | \$739,227.30 |

Retaining Wall 7

| Description | Value |
|--------------|--------|
| Length | 101.00 |
| Begin height | 24.50 |
| End Height | 24.50 |
| Multiplier | 1 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|----------|------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 2,474.50 | SF | \$26.74 | \$66,168.13 |

Retaining Wall 8

| Description | Value |
|-------------|-------|
|-------------|-------|

Length 1,663.00
 Begin height 5.00
 End Height 25.50
 Multiplier 2

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|---------------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 50,721.50 SF | \$26.74 | \$1,356,292.91 |

Retaining Wall 9

Description **Value**
 Length 61.30
 Begin height 25.50
 End Height 25.50
 Multiplier 1

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|---------------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 1,563.15 SF | \$26.74 | \$41,798.63 |

Retaining Wall 10

Description **Value**
 Length 1,187.00
 Begin height 4.00
 End Height 25.50
 Multiplier 2

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|---------------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 35,016.50 SF | \$26.74 | \$936,341.21 |

Retaining Wall 11

Description **Value**
 Length 61.30
 Begin height 25.50
 End Height 25.50
 Multiplier 1

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|---------------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 1,563.15 SF | \$26.74 | \$41,798.63 |

Retaining Walls Component Total \$8,959,486.11

MISCELLANEOUS COMPONENT

EX-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------|---------------|------------|-----------------|
|----------|-------------|---------------|------------|-----------------|

| | | | | |
|--------------------------------------|------------|---------|------------|-----------------|
| 999-16 | PARTNERING | 2.00 DA | \$3,000.00 | \$6,000.00 |
| Miscellaneous Component Total | | | | \$6,000.00 |
| <hr/> | | | | |
| Sequence 1 Total | | | | \$70,399,141.95 |
| <hr/> | | | | |

Draft

Sequence: 2NUR - New Construction, Undivided, Rural**Net Length:** 0.214 MI
1,130 LF**Description:** Covers the local EB access to the connector road which includes a bridge over the WB local lanes and wall approaches.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 20.00 / 20.00 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.214 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 6 to 1 / 6 to 1 |
| Outside Shoulder Cross Slope L/R | 6.00 % / 6.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---------------------|-----------------|-------------|-------------------|------------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.04 | AC | \$39,948.96 | \$41,546.92 |
| 120-6 | EMBANKMENT | 978.85 | CY | \$27.03 | \$26,458.32 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---|-----------------|-------------|-------------------|------------------------|
| 120-6 | EMBANKMENT | 11,026.00 | CY | \$27.03 | \$298,032.78 |
| | Comment: EMBANKMENT FOR RETAINING WALLS - SEE CADD | | | | |

| | | | | | |
|----------------------------------|--|--|--|--|---------------------|
| Earthwork Component Total | | | | | \$366,038.02 |
|----------------------------------|--|--|--|--|---------------------|

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|--------------|
| Number of Lanes | 1 |
| Roadway Pavement Width L/R | 15.00 / 0.00 |
| Structural Spread Rate | 275 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---|-----------------|-------------|-------------------|------------------------|
| 160-4 | TYPE B STABILIZATION | 3,389.76 | SY | \$6.16 | \$20,880.92 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 1,924.63 | SY | \$26.67 | \$51,329.88 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 258.94 | TN | \$171.59 | \$44,431.51 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 155.36 | TN | \$143.76 | \$22,334.55 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---|---|----------|------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 2,600.00 | LF | \$193.50 | \$503,100.00 |
| Comment: SHOULDER BARRIER BOTH SIDES | | | | | |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 2 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 0 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|---|----------|------|------------|-----------------|
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 0.86 | GM | \$849.98 | \$730.98 |

Roadway Component Total

\$642,807.84

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 6.00 / 6.00 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Paved Outside Shoulder Width L/R | 6.00 / 6.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 165 |
| Total Width (T) / 8" Overlap (O) | O |
| Rumble Strips 1/2 No. of Sides | 0 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|------------|-----------------|
| 285-704 | OPTIONAL BASE,BASE GROUP 04 | 1,589.42 | SY | \$21.30 | \$33,854.65 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 82.86 | TN | \$171.59 | \$14,217.95 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 13.67 | TN | \$143.76 | \$1,965.20 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 2,937.79 | LF | \$1.88 | \$5,523.05 |
| 104-11 | FLOATING TURBIDITY BARRIER | 53.50 | LF | \$15.54 | \$831.39 |
| 104-12 | STAKED TURBIDITY BARRIER- NYL REINF PVC | 53.50 | LF | \$9.50 | \$508.25 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,489.62 | \$2,489.62 |
| 107-1 | LITTER REMOVAL | 2.59 | AC | \$40.09 | \$103.83 |
| 107-2 | MOWING | 2.59 | AC | \$68.09 | \$176.35 |

Shoulder Component Total

\$59,670.29

DRAINAGE COMPONENT

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|---------------------------------------|----------|------|------------|---------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 3.85 | CY | \$2,500.00 | \$9,625.00 |
| 430-174-124 | PIPE CULV, OPT MATL, ROUND,24"SD | 176.00 | LF | \$463.20 | \$81,523.20 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 40.00 | LF | \$332.35 | \$13,294.00 |
| 430-984-129 | MITERED END SECT, OPTIONAL RD, 24" SD | 9.00 | EA | \$3,868.31 | \$34,814.79 |
| 570-1-1 | PERFORMANCE TURF | 150.66 | SY | \$2.71 | \$408.29 |
| Drainage Component Total | | | | | \$139,665.28 |

SIGNING COMPONENT

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|------------------------------------|----------|------|------------|--------------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 1.00 | AS | \$355.55 | \$355.55 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 5.00 | AS | \$1,094.88 | \$5,474.40 |
| 700-2-14 | MULTI- POST SIGN, F&I GM, 31-50 SF | 1.00 | AS | \$4,634.84 | \$4,634.84 |
| Signing Component Total | | | | | \$10,464.79 |

BRIDGES COMPONENT

Bridge ML3

| Description | Value |
|-------------------------------------|----------------------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 607.00 |
| Width (LF) | 30.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$237.63 |
| Basic Bridge Cost | \$4,097,250.00 |
| Description | MANAGED LANES RAMP OVER GP LANES |

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------|-----------|------|------------|-----------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 66.67 | CY | \$509.78 | \$33,987.03 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 11,667.25 | LB | \$1.01 | \$11,783.92 |

Bridge X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|---|----------|------|------------|-----------------|
| 521-5-13 | CONC TRAF RAIL- BRIDGE, 36" SING SLOPE Comment: 607' x 2 | 1,214.00 | LF | \$151.78 | \$184,260.92 |
| Bridge ML3 Total | | | | | \$4,327,281.87 |
| Bridges Component Total | | | | | \$4,327,281.87 |

RETAINING WALLS COMPONENT

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|------------|-----------------|
| 521-8-3 | CONC TRAF RAIL BAR,JCT SLAB,32"V SHP Comment: TRAFIC RAILING FOR RETAINING WALLS 320'x2 + 426'x2 | 1,492.00 | LF | \$328.67 | \$490,375.64 |

Retaining Wall 1

| Description | Value |
|--------------|--------|
| Length | 320.00 |
| Begin height | 4.00 |
| End Height | 24.50 |
| Multiplier | 2 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--------------------------------------|----------|------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 9,120.00 | SF | \$26.74 | \$243,868.80 |

Retaining Wall 2

| Description | Value |
|--------------|--------|
| Length | 426.00 |
| Begin height | 24.50 |
| End Height | 4.00 |
| Multiplier | 2 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--------------------------------------|-----------|------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 12,141.00 | SF | \$26.74 | \$324,650.34 |

Retaining Wall 3

| Description | Value |
|--------------|-------|
| Length | 30.00 |
| Begin height | 24.50 |
| End Height | 24.50 |
| Multiplier | 2 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--|-----------------------------------|-----------------|-------------|-------------------|------------------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 1,470.00 | SF | \$26.74 | \$39,307.80 |
| Retaining Walls Component Total | | | | | \$1,098,202.58 |
| <hr/> | | | | | |
| Sequence 2 Total | | | | | \$6,644,130.67 |
| <hr/> | | | | | |

Draft

Sequence: 3NUR - New Construction, Undivided, Rural**Net Length:** 0.252 MI
1,330 LF**Description:** Covers the rigid roadway pavement portion of the depressed WB Exit ramp.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 20.00 / 20.00 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.252 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 6 to 1 / 6 to 1 |
| Outside Shoulder Cross Slope L/R | 6.00 % / 6.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---------------------|-----------------|-------------|-------------------|------------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.22 | AC | \$39,948.96 | \$48,737.73 |
| 120-6 | EMBANKMENT | 1,180.75 | CY | \$27.03 | \$31,915.67 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---|-----------------|-------------|-------------------|------------------------|
| 120-1 | REGULAR EXCAVATION | 27,832.00 | CY | \$19.67 | \$547,455.44 |
| | Comment: EXCAVATION FOR DEPRESSED SECTION - SEE CADD | | | | |

| | | | | | |
|----------------------------------|--|--|--|--|--------------|
| Earthwork Component Total | | | | | \$628,108.84 |
|----------------------------------|--|--|--|--|--------------|

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|--------------|
| Number of Lanes | 1 |
| Roadway Pavement Width L/R | 27.00 / 0.00 |
| Structural Spread Rate | 275 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|-----------------------------|-----------------|-------------|-------------------|------------------------|
| 350-3-9 | PLAIN CEMENT CONC PAVT, 10" | 3,990.10 | SY | \$72.51 | \$289,322.15 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---|-----------------|-------------|-------------------|------------------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 5,690.00 | LF | \$193.50 | \$1,101,015.00 |
| | Comment: SHOULDER BARRIER BOTH SIDES | | | | |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 2 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 0 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|------------|---|----------|------|------------|-----------------|
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 1.01 | GM | \$849.98 | \$858.48 |

Roadway Component Total

\$1,391,195.63

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 0.00 / 0.00 |
| Total Outside Shoulder Perf. Turf Width L/R | 0.00 / 0.00 |
| Paved Outside Shoulder Width L/R | 0.00 / 0.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 165 |
| Total Width (T) / 8" Overlap (O) | O |
| Rumble Strips 1/2 No. of Sides | 0 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 3,458.08 | LF | \$1.88 | \$6,501.19 |
| 104-11 | FLOATING TURBIDITY BARRIER | 62.98 | LF | \$15.54 | \$978.71 |
| 104-12 | STAKED TURBIDITY BARRIER- NYL REINF PVC | 62.98 | LF | \$9.50 | \$598.31 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,489.62 | \$2,489.62 |
| 107-1 | LITTER REMOVAL | 3.05 | AC | \$40.09 | \$122.27 |
| 107-2 | MOWING | 3.05 | AC | \$68.09 | \$207.67 |

Shoulder Component Total

\$10,897.78

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------|--|----------|------|------------|-----------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 4.53 | CY | \$2,500.00 | \$11,325.00 |
| 430-174-124 | PIPE CULV, OPT MATL, ROUND,24"SD | 208.00 | LF | \$463.20 | \$96,345.60 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 48.00 | LF | \$332.35 | \$15,952.80 |
| 430-984-129 | MITERED END SECT, OPTIONAL RD, 24" SD | 11.00 | EA | \$3,868.31 | \$42,551.41 |

| | | | | |
|---------------------------------|------------------|-----------|--------|--------------|
| 570-1-1 | PERFORMANCE TURF | 177.34 SY | \$2.71 | \$480.59 |
| Drainage Component Total | | | | \$166,655.40 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|------------------------------------|-----------------|-------------|-------------------|------------------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 1.00 | AS | \$355.55 | \$355.55 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 6.00 | AS | \$1,094.88 | \$6,569.28 |
| 700-2-14 | MULTI- POST SIGN, F&I GM, 31-50 SF | 1.00 | AS | \$4,634.84 | \$4,634.84 |
| Signing Component Total | | | | | \$11,559.67 |

| | |
|-------------------------|----------------|
| Sequence 3 Total | \$2,208,417.32 |
|-------------------------|----------------|

Sequence: 4 NDU - New Construction, Divided, Urban**Net Length:** 2.248 MI
11,870 LF**Description:** 6 lane local section to cover turn lanes, 7' bike, shldr WB. ITS for local, replace all signals, 2 OH truss for each approach to Powerline and one approach to Military with cantilever at ML ingress.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 60.00 / 60.00 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 2.248 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 6 to 1 / 6 to 1 |
| Median Shoulder Cross Slope L/R | 4.00 % / 4.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------|-----------|------|-------------|-----------------|
| 110-1-1 | CLEARING & GRUBBING | 32.70 | AC | \$39,948.96 | \$1,306,330.99 |
| 120-6 | EMBANKMENT | 65,013.76 | CY | \$27.03 | \$1,757,321.93 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|-----------|------|------------|-----------------|
| 120-6 | EMBANKMENT | 27,239.00 | CY | \$27.03 | \$736,270.17 |
| | Comment: EMBANKMENT FOR RETAINING WALL SECTION FOR BRIDGE GP1 | | | | |

Earthwork Component Total \$3,799,923.09**ROADWAY COMPONENT****User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 6 |
| Roadway Pavement Width L/R | 43.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|------------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 123,078.38 | SY | \$6.16 | \$758,162.82 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 109,467.48 | SY | \$26.67 | \$2,919,497.69 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 18,062.13 | TN | \$171.59 | \$3,099,280.89 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 9,031.07 | TN | \$143.76 | \$1,298,306.62 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|--|---------------|------------|-----------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 8,540.00 LF | \$193.50 | \$1,652,490.00 |
| | Comment: barrier wall along the northern edge east of Powerline Road. | | | |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--|---------------|------------|-----------------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 1,517.00 EA | \$4.39 | \$6,659.63 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 17.98 GM | \$849.98 | \$15,282.64 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 17.98 GM | \$381.95 | \$6,867.46 |
| Roadway Component Total | | | | \$9,756,547.75 |

SHOULDER COMPONENT

User Input Data

| Description | Value |
|---|--------------|
| Total Outside Shoulder Width L/R | 7.25 / 17.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 5.00 / 5.00 |
| Sidewalk Width L/R | 0.00 / 10.00 |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|---------------|------------|-----------------|
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 13,188.85 SY | \$40.82 | \$538,368.86 |
| 570-1-1 | PERFORMANCE TURF | 13,188.85 SY | \$2.71 | \$35,741.78 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--|---------------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 15,200.00 LF | \$26.99 | \$410,248.00 |
| | Comment: curb and gutter along the southern edge of the entire corridor and the northern edge west of Powerline. 3330' + 11870' | | | |

Erosion Control

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|------------------|---------------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 23,739.94 LF | \$1.88 | \$44,631.09 |

| | | | | |
|---------------------------------|--|-----------|------------|-----------------------|
| 104-11 | FLOATING TURBIDITY BARRIER | 562.02 LF | \$15.54 | \$8,733.79 |
| 104-12 | STAKED TURBIDITY BARRIER- NYL REINF PVC | 562.02 LF | \$9.50 | \$5,339.19 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 3.00 EA | \$2,489.62 | \$7,468.86 |
| 104-18 | INLET PROTECTION SYSTEM | 115.00 EA | \$113.17 | \$13,014.55 |
| 107-1 | LITTER REMOVAL | 57.21 AC | \$40.09 | \$2,293.55 |
| 107-2 | MOWING | 57.21 AC | \$68.09 | \$3,895.43 |
| Shoulder Component Total | | | | \$1,069,735.10 |

MEDIAN COMPONENT**User Input Data****Description**

Total Median Width

Value

20.00

Performance Turf Width

18.00

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-------------------------------|-----------------------------------|---------------|------------|---------------------|
| 520-1-7 | CONCRETE CURB & GUTTER, TYPE E | 23,739.94 LF | \$25.61 | \$607,979.86 |
| 570-1-1 | PERFORMANCE TURF | 23,739.94 SY | \$2.71 | \$64,335.24 |
| Median Component Total | | | | \$672,315.10 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------|--|---------------|------------|-----------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 40.47 CY | \$2,500.00 | \$101,175.00 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 81.00 EA | \$6,334.22 | \$513,071.82 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 23.00 EA | \$7,957.19 | \$183,015.37 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 12.00 EA | \$5,102.86 | \$61,234.32 |
| 425-2-41 | MANHOLES, P-7, <10' | 12.00 EA | \$6,222.75 | \$74,673.00 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 5,952.00 LF | \$206.83 | \$1,231,052.16 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 536.00 LF | \$332.35 | \$178,139.60 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 11,248.00 LF | \$389.84 | \$4,384,920.32 |
| 570-1-1 | PERFORMANCE TURF | 683.42 SY | \$2.71 | \$1,852.07 |
| Drainage Component Total | | | | \$6,729,133.66 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|---------------|------------|-----------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 54.00 AS | \$355.55 | \$19,199.70 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12- | 5.00 AS | \$1,094.88 | \$5,474.40 |

| | | | | |
|----------|--|---------|------------|-------------|
| 700-2-15 | 20 SF MULTI- POST SIGN, F&I GM, 51-100 SF | 5.00 AS | \$7,252.41 | \$36,262.05 |
| 700-2-16 | MULTI- POST SIGN, F&I GM, 101-200 SF | 5.00 AS | \$8,815.93 | \$44,079.65 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|---|---------------|--------------|-----------------------|
| 700-4-112 | OH STATIC SIGN STR, F&I, C 21-30 FT Comment: GP SIGNS 5 AND 6, SEE CADD | 2.00 EA | \$61,328.28 | \$122,656.56 |
| 700-4-113 | OH STATIC SIGN STR, F&I, C 31-40 FT Comment: GP SIGN 4, SEE CADD | 1.00 EA | \$66,939.00 | \$66,939.00 |
| 700-4-126 | OH STATIC SIGN STR, F&I, S 101-150 FT Comment: GP SIGN 1, SEE CADD | 1.00 EA | \$166,808.64 | \$166,808.64 |
| 700-4-127 | OH STATIC SIGN STR, F&I, S 151-200 FT Comment: GP SIGNS 2 AND 3, SEE CADD | 2.00 EA | \$278,771.33 | \$557,542.66 |
| 700-9-137 | WALK-IN DYN MESS SIGN,F&I, FULL,201- | 3.00 EA | \$139,519.81 | \$418,559.43 |
| 700-10-115 | DMS SUPPORT STRUCTURE, SPAN, 51-100 FT | 3.00 EA | \$131,989.97 | \$395,969.91 |
| Signing Component Total | | | | \$1,833,492.00 |

SIGNALIZATIONS COMPONENT**Signalization 1**

| Description | Value |
|-------------|--------------------------------------|
| Type | 4 Lane Mast Arm |
| Multiplier | 2 |
| Description | Waterways Blvd. and Independence Dr. |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|--|---------------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 1,500.00 LF | \$9.55 | \$14,325.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 500.00 LF | \$19.32 | \$9,660.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 2.00 PI | \$5,847.83 | \$11,695.66 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 32.00 EA | \$654.27 | \$20,936.64 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 2.00 AS | \$2,791.46 | \$5,582.92 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 120.00 LF | \$4.99 | \$598.80 |
| 649-21-10 | STEEL MAST ARM ASSEMBLY, F&I, 60' | 4.00 EA | \$47,776.11 | \$191,104.44 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 18.00 AS | \$979.67 | \$17,634.06 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 16.00 AS | \$651.78 | \$10,428.48 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, | 24.00 EA | \$172.57 | \$4,141.68 |

| | | | | |
|-----------|---------------------------------------|----------|-------------|-------------|
| | F&I, TYPE 2 | | | |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 24.00 AS | \$2,166.67 | \$52,000.08 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 16.00 EA | \$246.71 | \$3,947.36 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 2.00 AS | \$28,728.12 | \$57,456.24 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 8.00 EA | \$290.92 | \$2,327.36 |

X-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|---------------|-------------|-----------------|
| 649-21-1 | STEEL MAST ARM ASSEMBLY, F&I, 30' | 2.00 EA | \$29,831.23 | \$59,662.46 |

Signalization 2

| Description | Value |
|-------------|-----------------|
| Type | 6 Lane Mast Arm |
| Multiplier | 1 |
| Description | Powerline Road |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|--|---------------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 700.00 LF | \$9.55 | \$6,685.00 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 300.00 LF | \$19.32 | \$5,796.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 PI | \$5,847.83 | \$5,847.83 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 22.00 EA | \$654.27 | \$14,393.94 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 AS | \$2,791.46 | \$2,791.46 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 LF | \$4.99 | \$299.40 |
| 641-2-11 | PREST CNC POLE,F&I,TYP P-II,PEDESTAL | 1.00 EA | \$1,085.17 | \$1,085.17 |
| 649-21-21 | STEEL MAST ARM ASSEMBLY, F&I, 78' | 6.00 EA | \$55,395.71 | \$332,374.26 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 20.00 AS | \$979.67 | \$19,593.40 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 AS | \$651.78 | \$5,214.24 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 20.00 EA | \$172.57 | \$3,451.40 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 20.00 AS | \$2,166.67 | \$43,333.40 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 EA | \$246.71 | \$1,973.68 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,728.12 | \$28,728.12 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$290.92 | \$1,163.68 |

Signalization 3

| Description | Value |
|-------------|-----------------|
| Type | 4 Lane Mast Arm |
| Multiplier | 1 |
| Description | SW 28th Ave |

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|---------------------------------------|--|----------------------|-------------------|------------------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 750.00 LF | \$9.55 | \$7,162.50 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 250.00 LF | \$19.32 | \$4,830.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 PI | \$5,847.83 | \$5,847.83 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 16.00 EA | \$654.27 | \$10,468.32 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 AS | \$2,791.46 | \$2,791.46 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 LF | \$4.99 | \$299.40 |
| 649-21-6 | STEEL MAST ARM ASSEMBLY, F&I, 50' | 1.00 EA | \$40,161.32 | \$40,161.32 |
| 649-21-8 | STEEL MAST ARM ASSEMBLY, F&I, 50'- 40' | 1.00 EA | \$45,023.87 | \$45,023.87 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 6.00 AS | \$979.67 | \$5,878.02 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 AS | \$651.78 | \$5,214.24 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 12.00 EA | \$172.57 | \$2,070.84 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 12.00 AS | \$2,166.67 | \$26,000.04 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 EA | \$246.71 | \$1,973.68 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,728.12 | \$28,728.12 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$290.92 | \$1,163.68 |
| Signalizations Component Total | | | | \$1,121,845.48 |

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT**Description of Work****X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------------|--|----------------------|-------------------|------------------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 16,367.00 LF | \$9.55 | \$156,304.85 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 4,092.00 LF | \$19.32 | \$79,057.44 |
| 630-2-14 | CONDUIT, F& I, ABOVEGROUND | 237.00 LF | \$24.36 | \$5,773.32 |
| 633-1-122 | FIBER OPTIC CABLE, F&I, UG,13-48 | 6,812.00 LF | \$4.50 | \$30,654.00 |
| 633-1-123 | FIBER OPTIC CABLE, F&I, UG,49-96 | 32,317.00 LF | \$3.54 | \$114,402.18 |
| 633-2-31 | FIBER OPTIC CONNECTION, INSTALL, SPLICE | 176.00 EA | \$47.22 | \$8,310.72 |
| 633-3-11 | FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE | 8.00 EA | \$976.44 | \$7,811.52 |
| 633-3-15 | FIBER OPTIC CONN HDWR, PRETERM PATCH PAN | 13.00 EA | \$1,856.18 | \$24,130.34 |
| 633-8-1 | MULTI-CONDUCTOR COMMUNICATION CABLE, F&I | 2,867.00 LF | \$9.14 | \$26,204.38 |

| | | | | |
|---|---------------------------------------|--------------|-------------|---------------------|
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 86.00 EA | \$654.27 | \$56,267.22 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 10,708.00 LF | \$4.99 | \$53,432.92 |
| 639-3-12 | ELEC SERV DISCON, F&I, CABINET | 9.00 EA | \$665.48 | \$5,989.32 |
| 641-3-163 | CONCRETE CCTV POLE, FUR & INS W/LOW | 9.00 EA | \$21,960.41 | \$197,643.69 |
| 676-2-111 | ITS CABINET- F&I, POLE, 336 | 11.00 EA | \$5,328.40 | \$58,612.40 |
| 682-1-111 | ITS CCTV CAMERA, F&I, DOME ENCL-PRES. | 7.00 EA | \$8,208.12 | \$57,456.84 |
| 684-1-1 | MANAGED FIELD ETHERNET SWITCH, F&I | 8.00 EA | \$3,682.88 | \$29,463.04 |
| 684-2-1 | DEVICE SERVER, F&I | 11.00 EA | \$915.51 | \$10,070.61 |
| Intelligent Traffic System (ITS) Component Total | | | | \$921,584.79 |

LIGHTING COMPONENT

Conventional Lighting Subcomponent

| Description | | | | Value |
|---------------------------------|---|----------------------|-------------------|------------------------|
| Spacing | | | | MIN |
| Pay Items | | | | |
| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 11,869.97 LF | \$9.55 | \$113,358.21 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 2,356.01 LF | \$19.32 | \$45,518.11 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 79.00 EA | \$654.27 | \$51,687.33 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 43,352.36 LF | \$2.60 | \$112,716.14 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 79.00 EA | \$6,054.28 | \$478,288.12 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 79.00 EA | \$608.05 | \$48,035.95 |
| Subcomponent Total | | | | \$849,603.86 |
| Lighting Component Total | | | | \$849,603.86 |

BRIDGES COMPONENT

Bridge GP1

| Description | Value |
|-------------------------------------|------------------------------------|
| Estimate Type | SF Estimate |
| Primary Estimate | YES |
| Length (LF) | 1,070.00 |
| Width (LF) | 59.00 |
| Type | Overpass Bridge |
| Cost Factor | 3.00 |
| Structure No. | |
| Removal of Existing Structures area | 0.00 |
| Default Cost per SF | \$75.00 |
| Factored Cost per SF | \$225.00 |
| Final Cost per SF | \$231.57 |
| Basic Bridge Cost | \$14,204,250.00 |
| Description | WEST END BRIDGE OVER MANAGED LANES |

Bridge Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------|-----------|------|------------|-----------------|
| 400-2-10 | CONC CLASS II, APPROACH SLABS | 131.11 | CY | \$509.78 | \$66,837.26 |
| 415-1-9 | REINF STEEL- APPROACH SLABS | 22,944.25 | LB | \$1.01 | \$23,173.69 |

Bridge X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|------------|-----------------|
| 521-5-13 | CONC TRAF RAIL- BRIDGE, 36" SING SLOPE Comment: BRIDGE GP1 TRAFFIC RAILING | 2,140.00 | LF | \$151.78 | \$324,809.20 |

Bridge GP1 Total \$14,619,070.15

Bridges Component Total \$14,619,070.15

RETAINING WALLS COMPONENT

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|------------|-----------------|
| 521-8-3 | CONC TRAF RAIL BAR,JCT SLAB,32"V SHP Comment: TRAFFIC RAILING FOR WALLS | 1,730.00 | LF | \$328.67 | \$568,599.10 |

Retaining Wall 1

| Description | Value |
|--------------|--------|
| Length | 535.00 |
| Begin height | 4.00 |
| End Height | 26.50 |
| Multiplier | 2 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|-----------|------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 16,317.50 | SF | \$26.74 | \$436,329.95 |

Retaining Wall 2

| Description | Value |
|--------------|-------|
| Length | 59.00 |
| Begin height | 26.50 |
| End Height | 26.50 |
| Multiplier | 1 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|----------|------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 1,563.50 | SF | \$26.74 | \$41,807.99 |

Retaining Wall 3

| Description | Value |
|-------------|--------|
| Length | 330.00 |

Begin height 15.00
 End Height 4.00
 Multiplier 2

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|---------------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 6,270.00 SF | \$26.74 | \$167,659.80 |

Retaining Wall 4

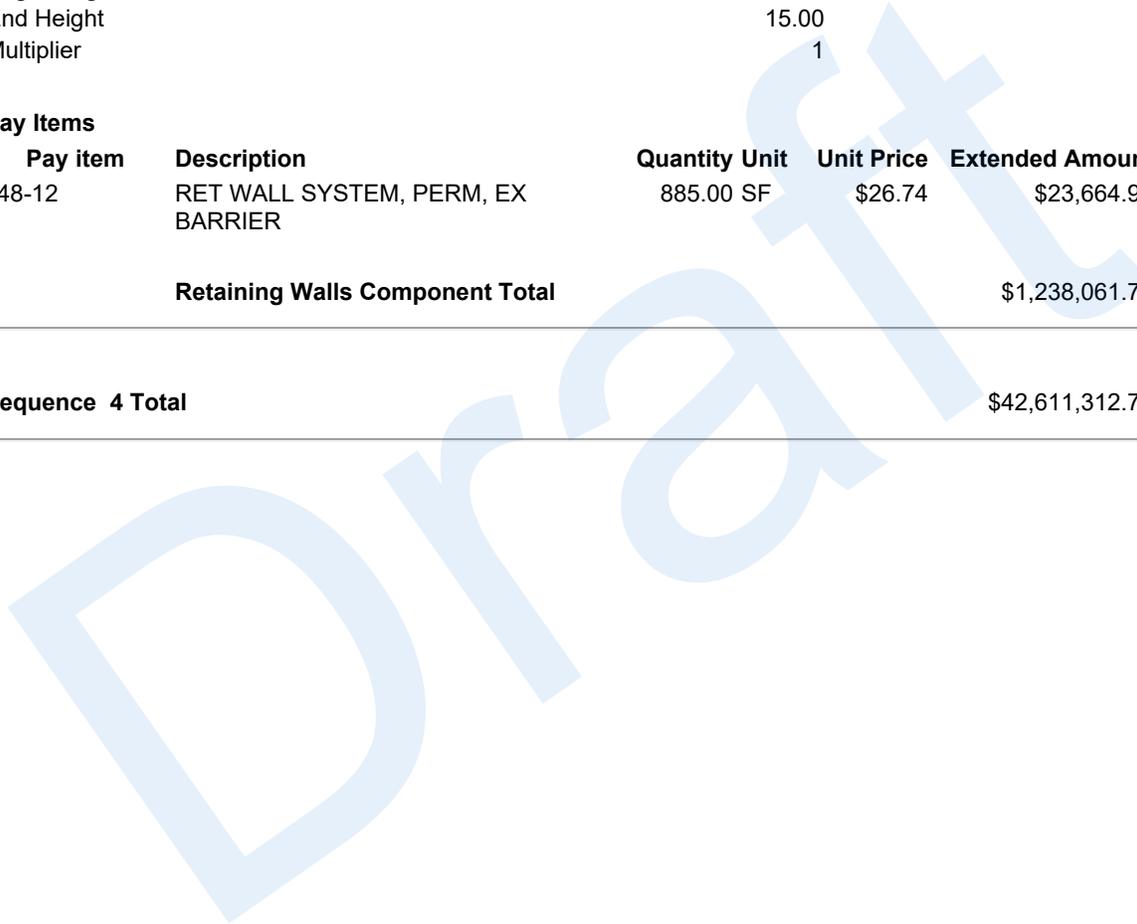
Description **Value**
 Length 59.00
 Begin height 15.00
 End Height 15.00
 Multiplier 1

Pay Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|---------------|------------|-----------------|
| 548-12 | RET WALL SYSTEM, PERM, EX BARRIER | 885.00 SF | \$26.74 | \$23,664.90 |

Retaining Walls Component Total \$1,238,061.75

Sequence 4 Total \$42,611,312.73



Sequence: 5NUR - New Construction, Undivided, Rural**Net Length:** 2.248 MI
11,870 LF**Description:** Temporary roadway to maintain traffic for the local lanes as it is unclear whether the permanent can be put into place first due to utility relocations and critical path of the projects.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 35.00 / 35.00 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 2.248 |
| Top of Structural Course For Begin Section | 100.00 |
| Top of Structural Course For End Section | 100.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 6 to 1 / 6 to 1 |
| Outside Shoulder Cross Slope L/R | 6.00 % / 6.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------------|-------------|-------------------|------------------------|
| 110-1-1 | CLEARING & GRUBBING | 19.07 | AC | \$39,948.96 | \$761,826.67 |
| 120-1 | REGULAR EXCAVATION | 173,065.23 | CY | \$19.67 | \$3,404,193.07 |
| Earthwork Component Total | | | | | \$4,166,019.74 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 5 |
| Roadway Pavement Width L/R | 34.50 / 34.50 |
| Structural Spread Rate | 220 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|--|-----------------|-------------|-------------------|------------------------|
| 160-4 | TYPE B STABILIZATION | 96,278.63 | SY | \$6.16 | \$593,076.36 |
| 285-706 | OPTIONAL BASE,BASE GROUP 06 | 91,873.55 | SY | \$22.14 | \$2,034,080.40 |
| 334-1-14 | SUPERPAVE ASPHALTIC CONC, TRAFFIC D | 10,010.34 | TN | \$130.74 | \$1,308,751.85 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|--|-----------------|-------------|-------------------|------------------------|
| 102-71-13 | TEMPORARY BARRIER, F&I,LOW PROFILE,CONC | 11,870.00 | LF | \$36.77 | \$436,459.90 |

Pavement Marking Subcomponent

| Description | Value |
|---------------------------|--------------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |

| | |
|--|---|
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 2 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|----------|------|------------|-----------------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 1,821.00 | EA | \$4.39 | \$7,994.19 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 8.99 | GM | \$849.98 | \$7,641.32 |
| 710-11-231 | PAINTED PAVT MARK,STD,YELLOW,SKIP,6" | 17.98 | GM | \$383.21 | \$6,890.12 |
| Roadway Component Total | | | | | \$4,394,894.14 |

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 2.00 / 2.00 |
| Total Outside Shoulder Perf. Turf Width L/R | 2.00 / 2.00 |
| Paved Outside Shoulder Width L/R | 0.00 / 0.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 165 |
| Total Width (T) / 8" Overlap (O) | T |
| Rumble Strips $\frac{1}{2}$ No. of Sides | 0 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|------------------|----------|------|------------|-----------------|
| 570-1-1 | PERFORMANCE TURF | 5,275.54 | SY | \$2.71 | \$14,296.71 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|--|-----------|------|------------|--------------------|
| 104-10-3 | SEDIMENT BARRIER | 30,861.92 | LF | \$1.88 | \$58,020.41 |
| 104-11 | FLOATING TURBIDITY BARRIER | 562.02 | LF | \$15.54 | \$8,733.79 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 562.02 | LF | \$9.50 | \$5,339.19 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 3.00 | EA | \$2,489.62 | \$7,468.86 |
| 107-1 | LITTER REMOVAL | 27.25 | AC | \$40.09 | \$1,092.45 |
| 107-2 | MOWING | 27.25 | AC | \$68.09 | \$1,855.45 |
| Shoulder Component Total | | | | | \$96,806.86 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|----------------------------------|----------|------|------------|-----------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 5.00 | AS | \$355.55 | \$1,777.75 |

| | | | | |
|--------------------------------|---------------------------------------|----------|------------|-----------------------|
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 45.00 AS | \$1,094.88 | \$49,269.60 |
| 700-2-14 | MULTI- POST SIGN, F&I GM, 31-50 SF | 5.00 AS | \$4,634.84 | \$23,174.20 |
| Signing Component Total | | | | \$74,221.55 |
| <hr/> | | | | |
| Sequence 5 Total | | | | \$8,731,942.29 |
| <hr/> | | | | |

Draft

Sequence: 6WDU - Widen/Resurface, Divided, Urban**Net Length:** 0.530 MI
2,800 LF**Description:** Handles work along Powerline Road expected to ultimate reconstruct this roadway.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 0.00 / 25.00 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.530 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Existing Front Slope L/R | 6 to 1 / 6 to 1 |
| Existing Median Shoulder Cross Slope L/R | 4.00 % / 4.00 % |
| Existing Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Front Slope L/R | 6 to 1 / 6 to 1 |
| Median Shoulder Cross Slope L/R | 4.00 % / 4.00 % |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|----------------------------------|-----------------|-------------|-------------------|------------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.61 | AC | \$39,948.96 | \$64,317.83 |
| 120-2-2 | BORROW EXCAVATION, TRUCK MEASURE | 1,100.70 | CY | \$27.35 | \$30,104.14 |
| Earthwork Component Total | | | | | \$94,421.97 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-------------------------------------|---------------|
| Number of Lanes | 6 |
| Existing Roadway Pavement Width L/R | 40.00 / 40.00 |
| Structural Spread Rate | 330 |
| Friction Course Spread Rate | 80 |
| Widened Outside Pavement Width L/R | 0.00 / 12.00 |
| Widened Inside Pavement Width L/R | 0.00 / 0.00 |
| Widened Structural Spread Rate | 330 |
| Widened Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---------------------------------------|-----------------|-------------|-------------------|------------------------|
| 160-4 | TYPE B STABILIZATION | 4,535.97 | SY | \$6.16 | \$27,941.58 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 3,835.98 | SY | \$26.67 | \$102,305.59 |
| 327-70-5 | MILLING EXIST ASPH PAVT, 2" AVG DEPTH | 24,888.75 | SY | \$5.40 | \$134,399.25 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 4,106.64 | TN | \$171.59 | \$704,658.36 |

| | | | | |
|----------|---|-----------|----------|--------------|
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 616.00 TN | \$171.59 | \$105,699.44 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 995.55 TN | \$143.76 | \$143,120.27 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 308.00 TN | \$143.76 | \$44,278.08 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 4 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|---|----------|------|------------|-----------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 358.00 | EA | \$4.39 | \$1,571.62 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 4.24 | GM | \$849.98 | \$3,603.92 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 4.24 | GM | \$381.95 | \$1,619.47 |
| Roadway Component Total | | | | | \$1,269,197.56 |

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|---------------|
| Existing Total Outside Shoulder Width L/R | 12.25 / 12.25 |
| New Total Outside Shoulder Width L/R | 7.25 / 13.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 5.00 / 5.00 |
| Sidewalk Width L/R | 0.00 / 6.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 2,799.98 | LF | \$26.99 | \$75,571.46 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 1,866.66 | SY | \$40.82 | \$76,197.06 |
| 570-1-1 | PERFORMANCE TURF | 3,111.09 | SY | \$2.71 | \$8,431.05 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 5,599.97 | LF | \$1.88 | \$10,527.94 |
| 104-11 | FLOATING TURBIDITY BARRIER | 53.03 | LF | \$15.54 | \$824.09 |
| 104-12 | STAKED TURBIDITY BARRIER- NYL REINF PVC | 53.03 | LF | \$9.50 | \$503.78 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,489.62 | \$2,489.62 |

| | | | | |
|---------------------------------|-------------------------|----------|----------|---------------------|
| 104-18 | INLET PROTECTION SYSTEM | 25.00 EA | \$113.17 | \$2,829.25 |
| 107-1 | LITTER REMOVAL | 4.62 AC | \$40.09 | \$185.22 |
| 107-2 | MOWING | 4.62 AC | \$68.09 | \$314.58 |
| Shoulder Component Total | | | | \$177,874.06 |

MEDIAN COMPONENT**User Input Data**

| Description | Value |
|------------------------|-------|
| Total Median Width | 22.00 |
| Performance Turf Width | 5.34 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|------------------|----------|------|------------|-----------------|
| 570-1-1 | PERFORMANCE TURF | 1,661.32 | SY | \$2.71 | \$4,502.18 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-----------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 3,600.00 | LF | \$26.99 | \$97,164.00 |

Median Component Total **\$101,666.18**

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------|--|----------|------|------------|-----------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 9.55 | CY | \$2,500.00 | \$23,875.00 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 20.00 | EA | \$6,334.22 | \$126,684.40 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 6.00 | EA | \$7,957.19 | \$47,743.14 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 296.00 | LF | \$206.83 | \$61,221.68 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 88.00 | LF | \$332.35 | \$29,246.80 |
| 570-1-1 | PERFORMANCE TURF | 161.21 | SY | \$2.71 | \$436.88 |

Drainage Component Total **\$289,207.90**

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------------------------|----------|------|------------|-----------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 12.00 | AS | \$355.55 | \$4,266.60 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 2.00 | AS | \$1,094.88 | \$2,189.76 |
| 700-1-50 | SINGLE POST SIGN, RELOCATE | 2.00 | AS | \$286.00 | \$572.00 |
| 700-1-60 | SINGLE POST SIGN, REMOVE | 12.00 | AS | \$26.70 | \$320.40 |
| 700-2-14 | MULTI- POST SIGN, F&I GM, 31-50 SF | 2.00 | AS | \$4,634.84 | \$9,269.68 |

| | | | | |
|--------------------------------|--------------------------|---------|----------|--------------------|
| 700-2-60 | MULTI- POST SIGN, REMOVE | 2.00 AS | \$566.55 | \$1,133.10 |
| Signing Component Total | | | | \$17,751.54 |

SIGNALIZATIONS COMPONENT

Signalization 1

| | |
|--------------------|--|
| Description | Value |
| Type | 4 Lane Mast Arm |
| Multiplier | 1 |
| Description | Signal for Quiet Waters Business Park at Powerline Road. |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------|--|----------|------|-------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 750.00 | LF | \$9.55 | \$7,162.50 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 250.00 | LF | \$19.32 | \$4,830.00 |
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL | 1.00 | PI | \$5,847.83 | \$5,847.83 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 16.00 | EA | \$654.27 | \$10,468.32 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 | AS | \$2,791.46 | \$2,791.46 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 | LF | \$4.99 | \$299.40 |
| 649-21-10 | STEEL MAST ARM ASSEMBLY, F&I, 60' | 1.00 | EA | \$47,776.11 | \$47,776.11 |
| 649-21-11 | STEEL MAST ARM ASSEMBLY, F&I, 60'- 30' | 1.00 | EA | \$50,189.13 | \$50,189.13 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 7.00 | AS | \$979.67 | \$6,857.69 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 | AS | \$651.78 | \$5,214.24 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 12.00 | EA | \$172.57 | \$2,070.84 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 12.00 | AS | \$2,166.67 | \$26,000.04 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 | EA | \$246.71 | \$1,973.68 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 | AS | \$28,728.12 | \$28,728.12 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 | EA | \$290.92 | \$1,163.68 |

Signalization 2

| | |
|--------------------|---|
| Description | Value |
| Type | 4 Lane Mast Arm |
| Multiplier | 1 |
| Description | Signals for Powerline Road and West Drive |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---------------------------------|----------|------|------------|-----------------|
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 750.00 | LF | \$9.55 | \$7,162.50 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 250.00 | LF | \$19.32 | \$4,830.00 |

| | | | | |
|-----------|---|----------|-------------|-------------|
| 632-7-1 | SIGNAL CABLE- NEW OR RECO, F&I & INSTALL | 1.00 PI | \$5,847.83 | \$5,847.83 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 16.00 EA | \$654.27 | \$10,468.32 |
| 639-1-112 | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON | 1.00 AS | \$2,791.46 | \$2,791.46 |
| 639-2-1 | ELECTRICAL SERVICE WIRE, F&I | 60.00 LF | \$4.99 | \$299.40 |
| 649-21-10 | STEEL MAST ARM ASSEMBLY, F&I, 60' | 2.00 EA | \$47,776.11 | \$95,552.22 |
| 650-1-14 | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W | 9.00 AS | \$979.67 | \$8,817.03 |
| 653-1-11 | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY | 8.00 AS | \$651.78 | \$5,214.24 |
| 660-1-102 | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2 | 12.00 EA | \$172.57 | \$2,070.84 |
| 660-2-106 | LOOP ASSEMBLY, F&I, TYPE F | 12.00 AS | \$2,166.67 | \$26,000.04 |
| 665-1-11 | PEDESTRIAN DETECTOR, F&I, STANDARD | 8.00 EA | \$246.71 | \$1,973.68 |
| 670-5-111 | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT | 1.00 AS | \$28,728.12 | \$28,728.12 |
| 700-3-101 | SIGN PANEL, F&I GM, UP TO 12 SF | 4.00 EA | \$290.92 | \$1,163.68 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|-------------|-----------------|
| 649-21-1 | STEEL MAST ARM ASSEMBLY, F&I, 30' | 2.00 | EA | \$29,831.23 | \$59,662.46 |
| | Comment: Signals for West Drive Traffic | | | | |
| | Signalizations Component Total | | | | \$461,954.86 |

Sequence 6 Total **\$2,412,074.07**

Sequence: 7 NUU - New Construction, Undivided, Urban**Net Length:** 0.275 MI
1,450 LF**Description:** Street extension/relocation at Quiet Waters Business Park.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 30.00 / 30.00 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.275 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 6 to 1 / 6 to 1 |
| Outside Shoulder Cross Slope L/R | 2.00 % / 2.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|-----------------|-------------|-------------------|------------------------|
| 110-1-1 | CLEARING & GRUBBING | 2.00 | AC | \$39,948.96 | \$79,897.92 |
| 120-6 | EMBANKMENT | 5,538.04 | CY | \$27.03 | \$149,693.22 |
| Earthwork Component Total | | | | | \$229,591.14 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|---------------|
| Number of Lanes | 2 |
| Roadway Pavement Width L/R | 11.00 / 11.00 |
| Structural Spread Rate | 275 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---|-----------------|-------------|-------------------|------------------------|
| 160-4 | TYPE B STABILIZATION | 4,375.44 | SY | \$6.16 | \$26,952.71 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 3,544.17 | SY | \$26.67 | \$94,523.01 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 487.32 | TN | \$171.59 | \$83,619.24 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 292.39 | TN | \$143.76 | \$42,033.99 |

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---|-----------------|-------------|-------------------|------------------------|
| 521-72-40 | SHLDR CONC BARRIER,38" OR 44" HEIGHT | 1,450.00 | LF | \$193.50 | \$280,575.00 |

Pavement Marking Subcomponent

| Description | Value |
|--------------------|--------------|
|--------------------|--------------|

| | |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 4 |
| Skip Stripe No. of Paint Applications | 2 |
| Skip Stripe No. of Stripes | 1 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|--|----------|------|------------|---------------------|
| 706-3 | RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS | 37.00 | EA | \$4.39 | \$162.43 |
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 2.20 | GM | \$849.98 | \$1,869.96 |
| 710-11-131 | PAINTED PAVT MARK,STD,WHITE,SKIP, 6" | 0.55 | GM | \$381.95 | \$210.07 |
| Roadway Component Total | | | | | \$529,946.41 |

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|--------------|
| Total Outside Shoulder Width L/R | 7.25 / 15.25 |
| Total Outside Shoulder Perf. Turf Width L/R | 5.00 / 5.00 |
| Sidewalk Width L/R | 0.00 / 8.00 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|-------------------------------------|----------|------|------------|-----------------|
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 1,449.89 | LF | \$26.99 | \$39,132.53 |
| 520-1-10 | CONCRETE CURB & GUTTER, TYPE F | 1,449.89 | LF | \$26.99 | \$39,132.53 |
| 522-1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" | 1,288.79 | SY | \$40.82 | \$52,608.41 |
| 570-1-1 | PERFORMANCE TURF | 1,610.99 | SY | \$2.71 | \$4,365.78 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|------------|-----------------|
| 104-10-3 | SEDIMENT BARRIER | 2,899.78 | LF | \$1.88 | \$5,451.59 |
| 104-11 | FLOATING TURBIDITY BARRIER | 68.65 | LF | \$15.54 | \$1,066.82 |
| 104-12 | STAKED TURBIDITY BARRIER-NYL REINF PVC | 68.65 | LF | \$9.50 | \$652.18 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,489.62 | \$2,489.62 |
| 104-18 | INLET PROTECTION SYSTEM | 15.00 | EA | \$113.17 | \$1,697.55 |
| 107-1 | LITTER REMOVAL | 3.33 | AC | \$40.09 | \$133.50 |
| 107-2 | MOWING | 3.33 | AC | \$68.09 | \$226.74 |

Shoulder Component Total**\$146,957.25****DRAINAGE COMPONENT**

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|-------------------------------------|----------|------|------------|---------------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 4.94 | CY | \$2,500.00 | \$12,350.00 |
| 425-1-351 | INLETS, CURB, TYPE P-5, <10' | 10.00 | EA | \$6,334.22 | \$63,342.20 |
| 425-1-451 | INLETS, CURB, TYPE J-5, <10' | 3.00 | EA | \$7,957.19 | \$23,871.57 |
| 425-1-521 | INLETS, DT BOT, TYPE C, <10' | 2.00 | EA | \$5,102.86 | \$10,205.72 |
| 425-2-41 | MANHOLES, P-7, <10' | 2.00 | EA | \$6,222.75 | \$12,445.50 |
| 430-175-124 | PIPE CULV, OPT MATL, ROUND, 24"S/CD | 640.00 | LF | \$206.83 | \$132,371.20 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, 36"S/CD | 64.00 | LF | \$332.35 | \$21,270.40 |
| 430-175-148 | PIPE CULV, OPT MATL, ROUND, 48"S/CD | 1,376.00 | LF | \$389.84 | \$536,419.84 |
| 570-1-1 | PERFORMANCE TURF | 83.48 | SY | \$2.71 | \$226.23 |
| Drainage Component Total | | | | | \$812,502.66 |

SIGNING COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|-------------------------------------|----------|------|------------|--------------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 6.00 | AS | \$355.55 | \$2,133.30 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 1.00 | AS | \$1,094.88 | \$1,094.88 |
| 700-2-15 | MULTI- POST SIGN, F&I GM, 51-100 SF | 1.00 | AS | \$7,252.41 | \$7,252.41 |
| Signing Component Total | | | | | \$10,480.59 |

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

| Description | Value | | | | |
|---------------------------------|---|----------|------|------------|--------------------|
| Spacing | MAX | | | | |
| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
| 630-2-11 | CONDUIT, F& I, OPEN TRENCH | 1,449.89 | LF | \$9.55 | \$13,846.45 |
| 630-2-12 | CONDUIT, F& I, DIRECTIONAL BORE | 189.20 | LF | \$19.32 | \$3,655.34 |
| 635-2-11 | PULL & SPLICE BOX, F&I, 13" x 24" | 6.00 | EA | \$654.27 | \$3,925.62 |
| 715-1-13 | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2 | 4,917.26 | LF | \$2.60 | \$12,784.88 |
| 715-4-13 | LIGHT POLE COMPLETE, F&I-STD, 40' | 6.00 | EA | \$6,054.28 | \$36,325.68 |
| 715-500-1 | POLE CABLE DIST SYS, CONVENTIONAL | 6.00 | EA | \$608.05 | \$3,648.30 |
| Subcomponent Total | | | | | \$74,186.27 |
| Lighting Component Total | | | | | \$74,186.27 |

Sequence 7 Total

\$1,803,664.32

Draft

Sequence: 8 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** depressed section construction, temp critical sheet piles, one row soil anchors and 10' grid of ground anchors. Also includes all ground mount walls.**ROADWAY COMPONENT****X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|--------------------------------|--|---------------|------------|-----------------|
| 534-72-101 | SOUND/NOISE BARRIER-INC FOUNDATION, PERM Comment: SEE CADD FILE - 5565' SOUTH SIDE OF CORRIDOR; 4180' NORTH SIDE OF CORRIDOR | 214,390.00 SF | \$33.63 | \$7,209,935.70 |
| Roadway Component Total | | | | \$7,209,935.70 |

BRIDGES COMPONENT**Bridge X-Items**

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|-----------|--|-----------------|------------|-----------------|
| 400-3-20 | CONC CLASS III, SEAL Comment: L=1900' W=45' D=5' | 15,834.00 CY | \$461.12 | \$7,301,374.08 |
| 400-4-5 | CONC CLASS IV, SUBSTRUCTURE Comment: L=1900' W=37.5' D=4.5 | 11,875.00 CY | \$1,135.03 | \$13,478,481.25 |
| 415-1-4 | REINF STEEL- SUPERSTRUCTURE Comment: Class IV concrete cubic yards for substructure and retaining walls x 200lbs/cy (SDG Section 9.2.3) | 3,859,400.00 LB | \$1.07 | \$4,129,558.00 |
| 451-70 | PREST SOIL ANCHORS Comment: 4 * 1900'/10 | 760.00 EA | \$7,591.08 | \$5,769,220.80 |
| 451-70-1 | PREST SOIL ANCHOR, PERFORMANCE TEST Comment: SOIL ANCHORS / 4 | 190.00 EA | \$2,335.67 | \$443,777.30 |
| 451-70-2 | PREST SOIL ANCHOR, CREEP TEST Comment: SOIL ANCHORS / 4 | 190.00 EA | \$2,947.00 | \$559,930.00 |
| 455-87 | ANCHOR BAR, STEEL Comment: L=1900' @ 10' SPACING x 2 | 380.00 EA | \$2,279.93 | \$866,373.40 |
| 455-133-3 | SHEET PILING STEEL, F&I PERMANENT Comment: L=1900', DEPTHS RANGE 40'-50'-USE 45' AVG. 1900x45x2 | 171,000.00 SF | \$38.55 | \$6,592,050.00 |

Bridge EX-Items

| Pay item | Description | Quantity Unit | Unit Price | Extended Amount |
|----------|--|---------------|----------------|-----------------|
| 1 | WATERPROOF LINER Comment: Assume a complete wrap of the tremie seal. Dimensions are 1900'x45'x5' | 190,450.00 SF | \$1.00 | \$190,450.00 |
| 2 | ADJUSTMENT FOR CONSTRUCTION IN WATER Comment: Based on 10% of the cost for the depressed section to account for the construction in water. Sequence total minus noise walls and pump station. | 1.00 LS | \$4,812,893.00 | \$4,812,893.00 |

Bridge Total \$44,144,107.83

Bridges Component Total \$44,144,107.83

MISCELLANEOUS COMPONENT

X-Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-----------------|---|-----------------|-------------|-------------------|------------------------|
| 400-4-11 | CONC CLASS IV, RETAINING WALLS | 7,422.00 | CY | \$1,086.67 | \$8,065,264.74 |
| | Comment: 25048 SF x 4'thicknes x 2 walls | | | | |
| 448-73 | PUMPING STATION- DRAINAGE | 1.00 | LS | \$400,000.00 | \$400,000.00 |
| | Miscellaneous Component Total | | | | \$8,465,264.74 |

Sequence 8 Total \$59,819,308.27

Sequence: 9NUR - New Construction, Undivided, Rural**Net Length:** 0.284 MI
1,500 LF**Description:** Covers the widen, mill and resurfacing along the connector road west of seq 1 at the turnpike as well as the reconstruction of the NB to WB loop ramp.**EARTHWORK COMPONENT****User Input Data**

| Description | Value |
|--|-----------------|
| Standard Clearing and Grubbing Limits L/R | 15.00 / 15.00 |
| Incidental Clearing and Grubbing Area | 0.00 |
| Alignment Number | 1 |
| Distance | 0.284 |
| Top of Structural Course For Begin Section | 102.00 |
| Top of Structural Course For End Section | 102.00 |
| Horizontal Elevation For Begin Section | 100.00 |
| Horizontal Elevation For End Section | 100.00 |
| Front Slope L/R | 6 to 1 / 6 to 1 |
| Outside Shoulder Cross Slope L/R | 6.00 % / 6.00 % |
| Roadway Cross Slope L/R | 2.00 % / 2.00 % |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------------------------------|---------------------|----------|------|-------------|--------------------|
| 110-1-1 | CLEARING & GRUBBING | 1.03 | AC | \$39,948.96 | \$41,147.43 |
| 120-6 | EMBANKMENT | 1,392.33 | CY | \$27.03 | \$37,634.68 |
| Earthwork Component Total | | | | | \$78,782.11 |

ROADWAY COMPONENT**User Input Data**

| Description | Value |
|-----------------------------|--------------|
| Number of Lanes | 1 |
| Roadway Pavement Width L/R | 15.00 / 0.00 |
| Structural Spread Rate | 275 |
| Friction Course Spread Rate | 165 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|------------|-----------------|
| 160-4 | TYPE B STABILIZATION | 4,500.14 | SY | \$6.16 | \$27,720.86 |
| 285-709 | OPTIONAL BASE,BASE GROUP 09 | 2,555.08 | SY | \$26.67 | \$68,143.98 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 343.76 | TN | \$171.59 | \$58,985.78 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 206.26 | TN | \$143.76 | \$29,651.94 |

Pavement Marking Subcomponent

| Description | Value |
|--|---------|
| Include Thermo/Tape/Other | N |
| Pavement Type | Asphalt |
| Solid Stripe No. of Paint Applications | 2 |
| Solid Stripe No. of Stripes | 2 |
| Skip Stripe No. of Paint Applications | 2 |

Skip Stripe No. of Stripes 0

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|---|----------|------|------------|---------------------|
| 710-11-101 | PAINTED PAVT MARK,STD,WHITE,SOLID,6" | 1.14 | GM | \$849.98 | \$968.98 |
| Roadway Component Total | | | | | \$185,471.54 |

SHOULDER COMPONENT**User Input Data**

| Description | Value |
|---|-------------|
| Total Outside Shoulder Width L/R | 6.00 / 6.00 |
| Total Outside Shoulder Perf. Turf Width L/R | 4.00 / 2.00 |
| Paved Outside Shoulder Width L/R | 2.00 / 4.00 |
| Structural Spread Rate | 110 |
| Friction Course Spread Rate | 165 |
| Total Width (T) / 8" Overlap (O) | 0 |
| Rumble Strips i ₂ ½No. of Sides | 0 |

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|---|----------|------|------------|-----------------|
| 285-704 | OPTIONAL BASE,BASE GROUP 04 | 1,110.04 | SY | \$21.30 | \$23,643.85 |
| 334-1-13 | SUPERPAVE ASPHALTIC CONC, TRAFFIC C | 55.00 | TN | \$171.59 | \$9,437.45 |
| 337-7-83 | ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22 | 18.15 | TN | \$143.76 | \$2,609.24 |
| 570-1-1 | PERFORMANCE TURF | 1,000.03 | SY | \$2.71 | \$2,710.08 |

Erosion Control**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|---------------------------------|--|----------|------|------------|--------------------|
| 104-10-3 | SEDIMENT BARRIER | 3,900.12 | LF | \$1.88 | \$7,332.23 |
| 104-11 | FLOATING TURBIDITY BARRIER | 71.03 | LF | \$15.54 | \$1,103.81 |
| 104-12 | STAKED TURBIDITY BARRIER- NYL REINF PVC | 71.03 | LF | \$9.50 | \$674.79 |
| 104-15 | SOIL TRACKING PREVENTION DEVICE | 1.00 | EA | \$2,489.62 | \$2,489.62 |
| 107-1 | LITTER REMOVAL | 3.44 | AC | \$40.09 | \$137.91 |
| 107-2 | MOWING | 3.44 | AC | \$68.09 | \$234.23 |
| Shoulder Component Total | | | | | \$50,373.21 |

DRAINAGE COMPONENT**Pay Items**

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|-------------|-------------------------------------|----------|------|------------|-----------------|
| 400-2-2 | CONC CLASS II, ENDWALLS | 5.11 | CY | \$2,500.00 | \$12,775.00 |
| 430-174-124 | PIPE CULV, OPT MATL, ROUND,24"SD | 232.00 | LF | \$463.20 | \$107,462.40 |
| 430-175-136 | PIPE CULV, OPT MATL, ROUND, | 48.00 | LF | \$332.35 | \$15,952.80 |

| | | | | |
|---------------------------------|---|-----------|------------|---------------------|
| 430-984-129 | 36"S/CD MITERED END SECT, OPTIONAL RD, 24" SD | 12.00 EA | \$3,868.31 | \$46,419.72 |
| 570-1-1 | PERFORMANCE TURF | 200.01 SY | \$2.71 | \$542.03 |
| Drainage Component Total | | | | \$183,151.95 |

SIGNING COMPONENT

Pay Items

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|--------------------------------|---------------------------------------|----------|------|------------|--------------------|
| 700-1-11 | SINGLE POST SIGN, F&I GM, <12 SF | 1.00 | AS | \$355.55 | \$355.55 |
| 700-1-12 | SINGLE POST SIGN, F&I GM, 12-20 SF | 6.00 | AS | \$1,094.88 | \$6,569.28 |
| 700-2-14 | MULTI- POST SIGN, F&I GM, 31-50 SF | 1.00 | AS | \$4,634.84 | \$4,634.84 |
| Signing Component Total | | | | | \$11,559.67 |

Sequence 9 Total **\$509,338.48**

Date: 9/24/2019 11:37:48 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01**Letting Date:** 12/2023**Description:** SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL**District:** 04 **County:** 86 BROWARD**Market Area:** 12 **Units:** English**Contract Class:** 9 **Lump Sum Project:** N**Design/Build:** Y **Project Length:** 2.158 MI**Project Manager:** BOSTIAN**Version 25 Project Grand Total****\$259,800,587.06****Description:** SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 449 - PARTIALLY DEPRESSED.

Project Sequences Subtotal **\$195,139,330.10**

| | | | |
|-------|------------------------|---------|-----------------|
| 102-1 | Maintenance of Traffic | 10.00 % | \$19,513,933.01 |
| 101-1 | Mobilization | 8.00 % | \$17,172,261.05 |

Project Sequences Total **\$231,825,524.16**

| | | |
|------------------|---------|-----------------|
| Project Unknowns | 0.00 % | \$0.00 |
| Design/Build | 12.00 % | \$27,819,062.90 |

Non-Bid Components:

| Pay item | Description | Quantity | Unit | Unit Price | Extended Amount |
|----------|--|----------|------|--------------|-----------------|
| 999-16 | PARTNERING (DO NOT BID) | 2.00 | LS | \$3,000.00 | \$6,000.00 |
| 999-25 | INITIAL CONTINGENCY AMOUNT (DO NOT BID) | | LS | \$150,000.00 | \$150,000.00 |

Project Non-Bid Subtotal **\$156,000.00**
Version 25 Project Grand Total **\$259,800,587.06**

Appendix F – Toll Gantry Technical Memorandum

Draft



TECHNICAL MEMORANDUM

To: Robert Bostian, P.E.
FDOT Project Manager

FPID No: 439891-1-22-02

Contract No.: C9V60

From: Cassie Piche, P.E.
3400 West Commercial Blvd
Fort Lauderdale FL

Subject: Preliminary Toll Site Feasibility
Analysis

Date: October 31, 2018

Project Information

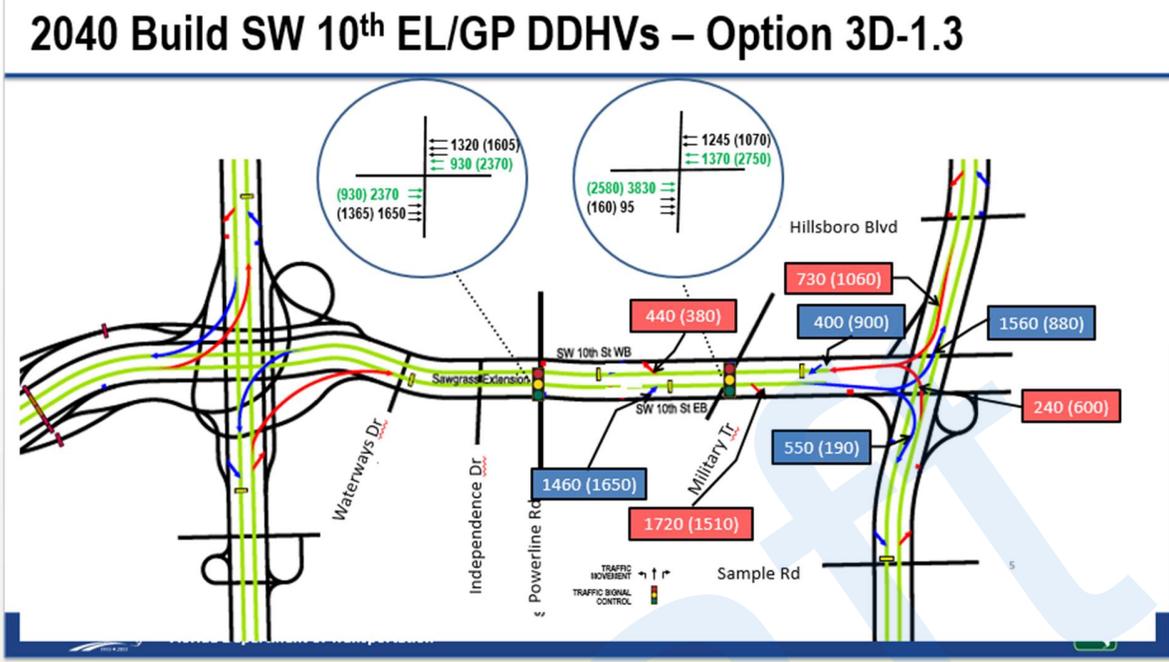
As part of project FPID 439891-1-22-02, District D will be performing a PD&E Study to determine the alignment for express lanes connecting I-95 with Florida’s Turnpike. A preliminary toll site feasibility analysis was performed to examine the physical constraints of locating proposed toll gantries and other associated elements within the SW 10th Street corridor. The analysis is based on five alternatives that are being carried forward to the November 15 Public Alternatives Workshop. The following alternatives have been analyzed from a toll site feasibility perspective. The numbers refer to the MicroStation file names:

- 117 – Depressed
- 245 – Partial Depressed
- 237 – At-Grade Depressed WB Ramp
- 242 – Depressed EB Managed Lanes
- 246 – At-Grade, No Ramps

Criteria: The following criteria was utilized to evaluate the limits of the project to establish recommended tolling point locations:

1. **Current GTR Version:** 2016 GTR, Addendum 1, March 2017
2. **Florida Gas Transmission:** Gantry and toll site construction to be outside of FGT specified width.
3. **Roadway Design Criteria:** FDM (2018), TDH (2018), FDOT Standard Plans (FY 2018-2019). Roadway design is being coordinated with the proposed tolling point to comply with the GTR.
4. **ITS / Communication:** Availability of existing ITS FOC backbone. Availability and redundancy of commercial Ethernet service providers.
5. **Power Service:** Availability of power and location of service.
6. **Maintenance of Traffic:** FDM (2018), TDH (2018), FY Standard Plans (2018-19), MUTCD (2009 w/ 2012 Revisions). Tolling point must not be in conflict with existing or proposed signage. MOT must be able to be maintained.
7. **Environmental:** Must meet USACE and SFWMD Criteria.

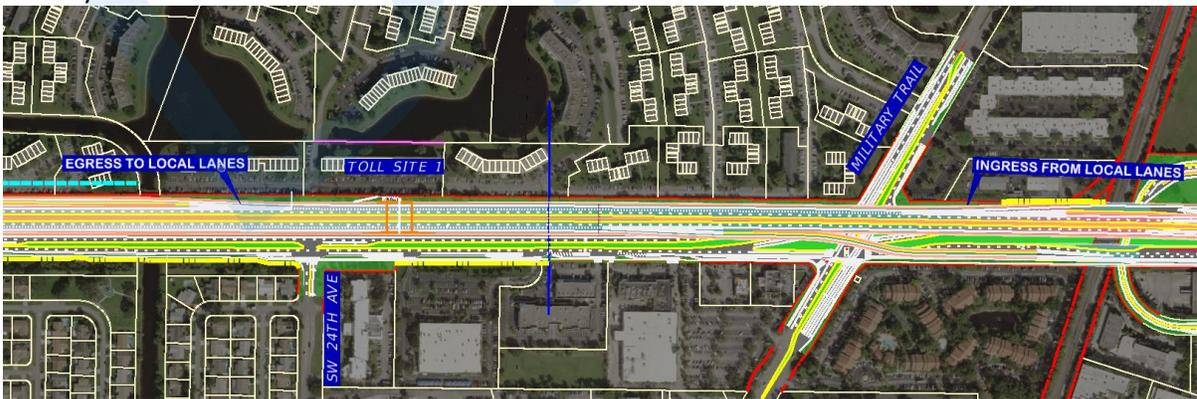
FTE Provided the following concept for tolling locations:



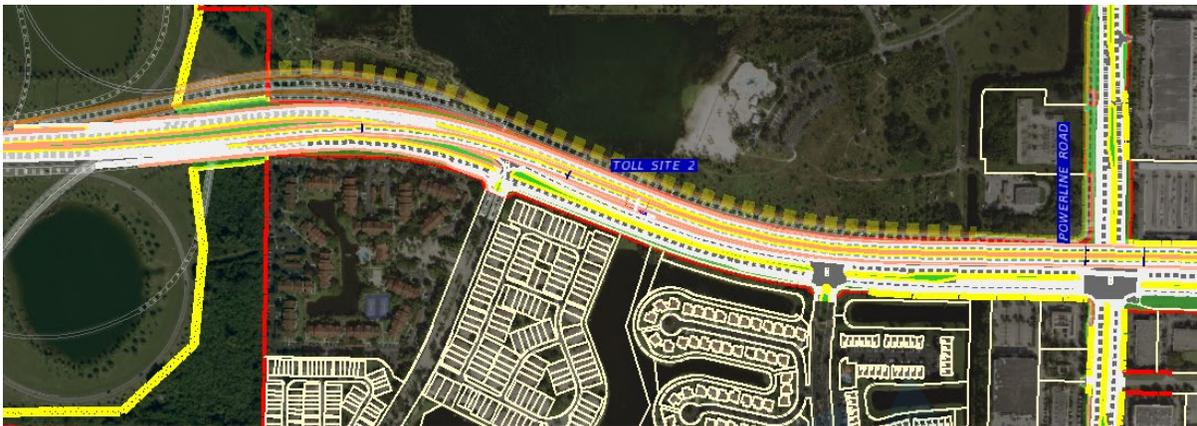
Based on this concept and our preliminary analysis, we recommend the following:

117 and 245 – Depressed and Partial Depressed

For these alignments, our recommendation is to combine both conceptual WB toll facilities and utilize only one tolling location, located at approx. Sta 155+32. This location is called **Site 1**. By setting the toll site at this location, we will pick up everyone who enters the express lanes in the WB direction both from the Express Lanes on I-95 and the local ramp. It will also toll the local people before they get off west of Military Trail.



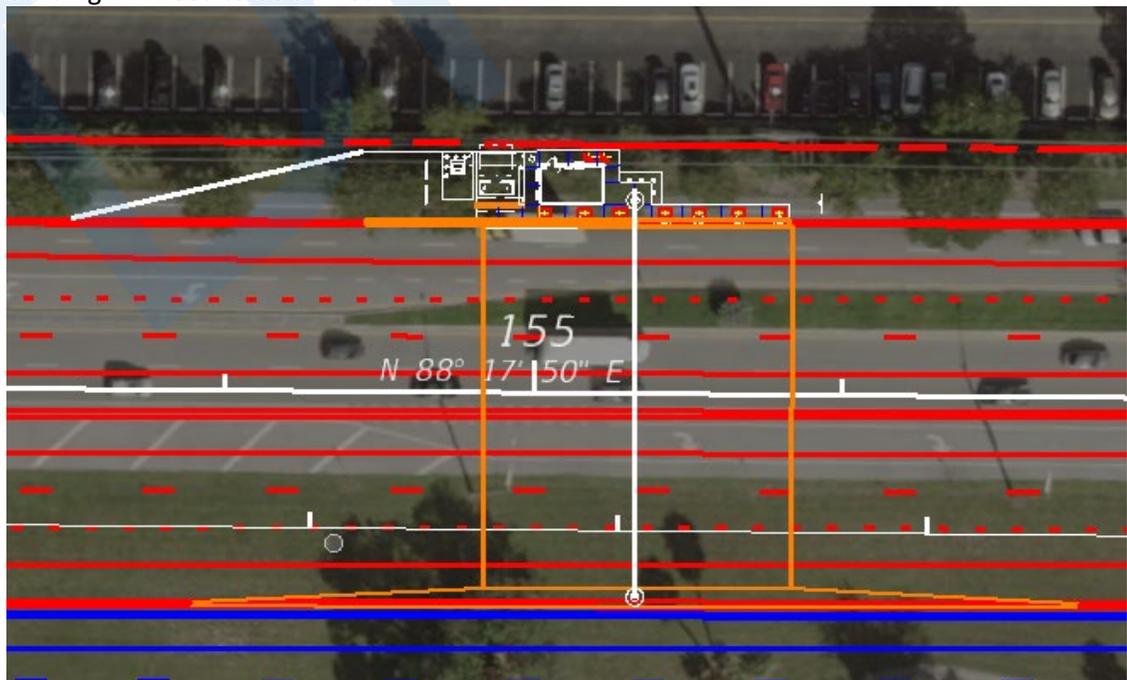
For the EB direction, in keeping with the FDOT concept, two toll facilities are utilized. **Site 2** will be located west of Powerline Road, and will only toll the EB movement. The second facility will be a combined gantry with the WB direction, located at the previously mentioned **Site 1**.



It should be noted that **Site 1** is located directly under transmission lines, which may need to be relocated pending the results of radio frequency interference study. Although it is not FTE’s preference, it is recommended that tolling the local on-ramps for both EB and WB be investigated, to avoid relocation of these powerlines.

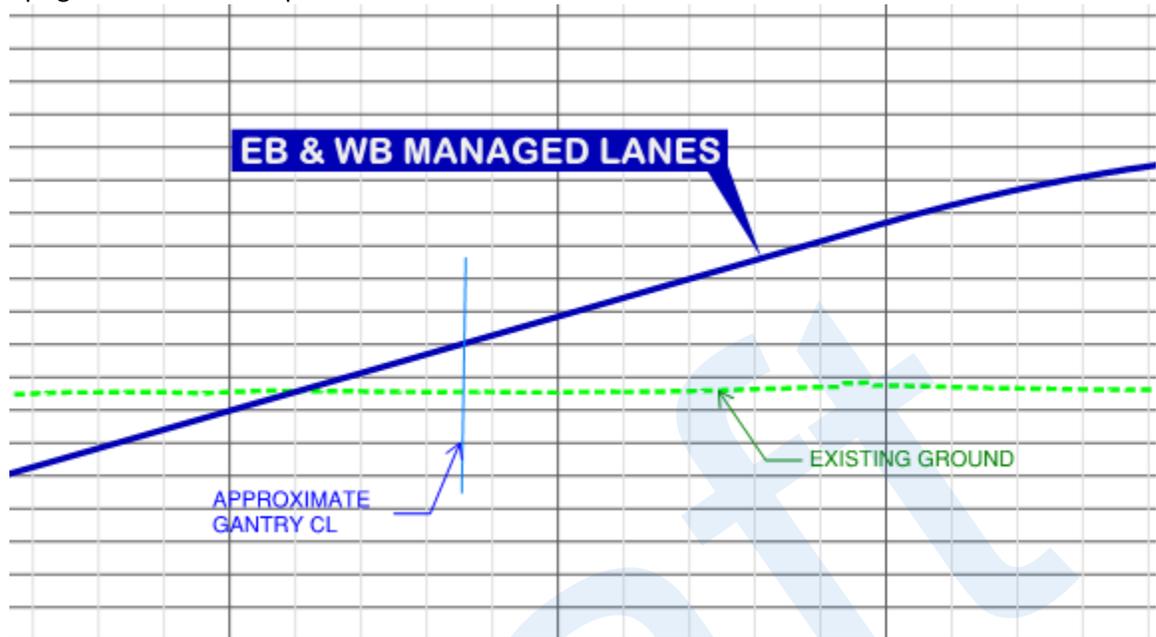
SITE 1

- A single gantry will be built to toll both EB and WB directions of travel.
- The Toll Site will need to be located between stations 2111+30 and 2117+97 in order to avoid weaving and merging areas
- Preferred location is gantry CL at Station 2111+78. This will allow a standard building to be utilized without any right of way acquisition.
- Toll building will be located North of WB roadway. If located at Sta 2111+78, a standard building can be utilized. If located elsewhere in the station range listed above, a ‘skinny’ (10’ x 30’) building will need to be utilized.

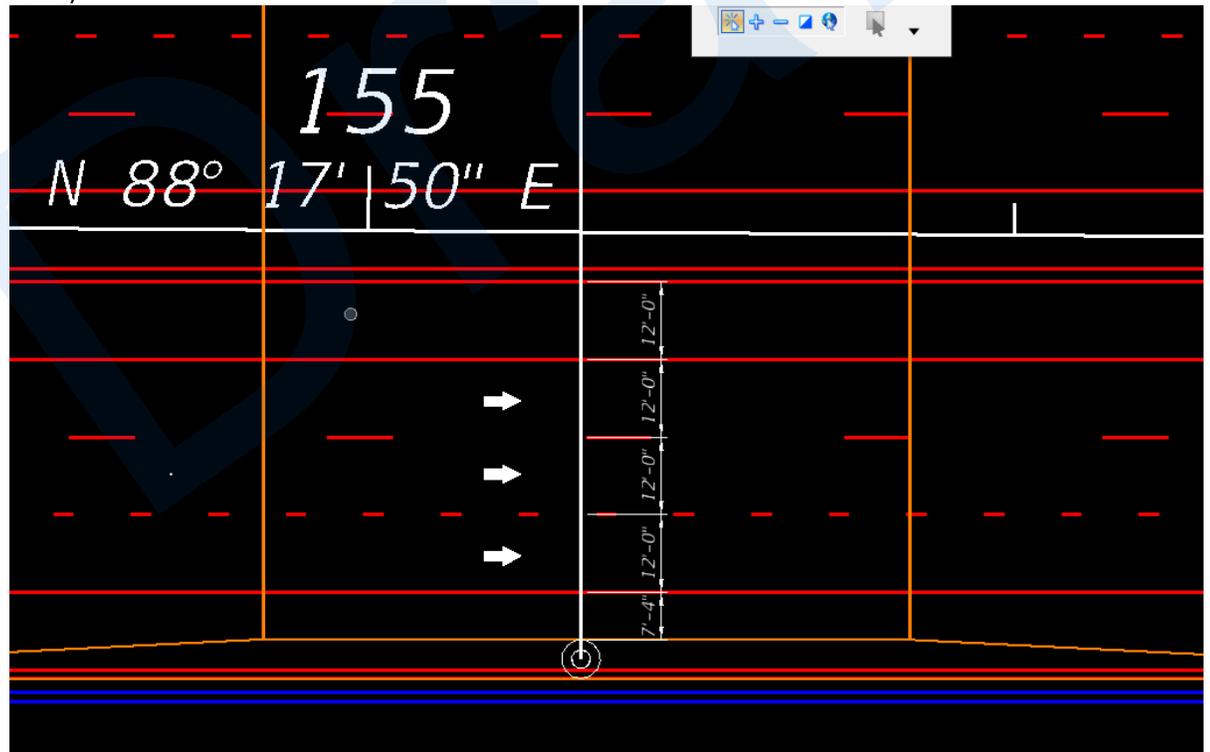


- As shown, there is no convenient location to place the South upright. This upright will need to be located on a median barrier. Because this is in a raised section (approx. 3’-6” off ground line), the

at-grade road will be at a different height than the express lanes. That means that the entire upright will need to be placed in the shoulder.



- With a barrier mounted South upright, shoulders will be substandard (7'-4" with a 6' drilled shaft)



- Gantry is located more than 1 mile from I-95 express lane entrance.

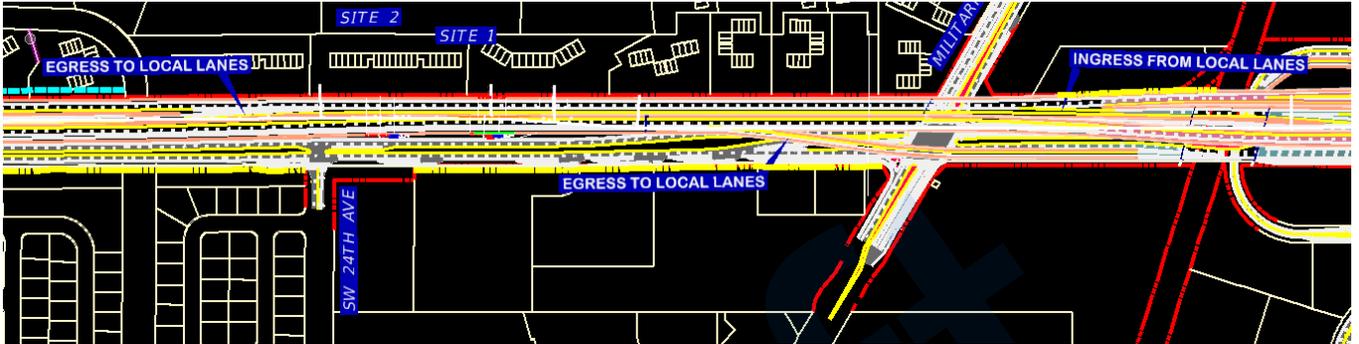
Site 2

- A cantilever gantry will toll the EB direction only.
- CL of gantry will need to be located between 72+52 and 75+68, in order to provide enough space for the toll building envelope with out encroaching on local lanes.
- The building will be located South of the EB lanes.



237 and 242 – At-Grade Depressed WB Ramp and Depressed EB Managed Lanes

For this alignment, our recommendation is to combine both conceptual WB toll facilities and utilize only one tolling location. This location can either be **Site 1** or **Site 2**.

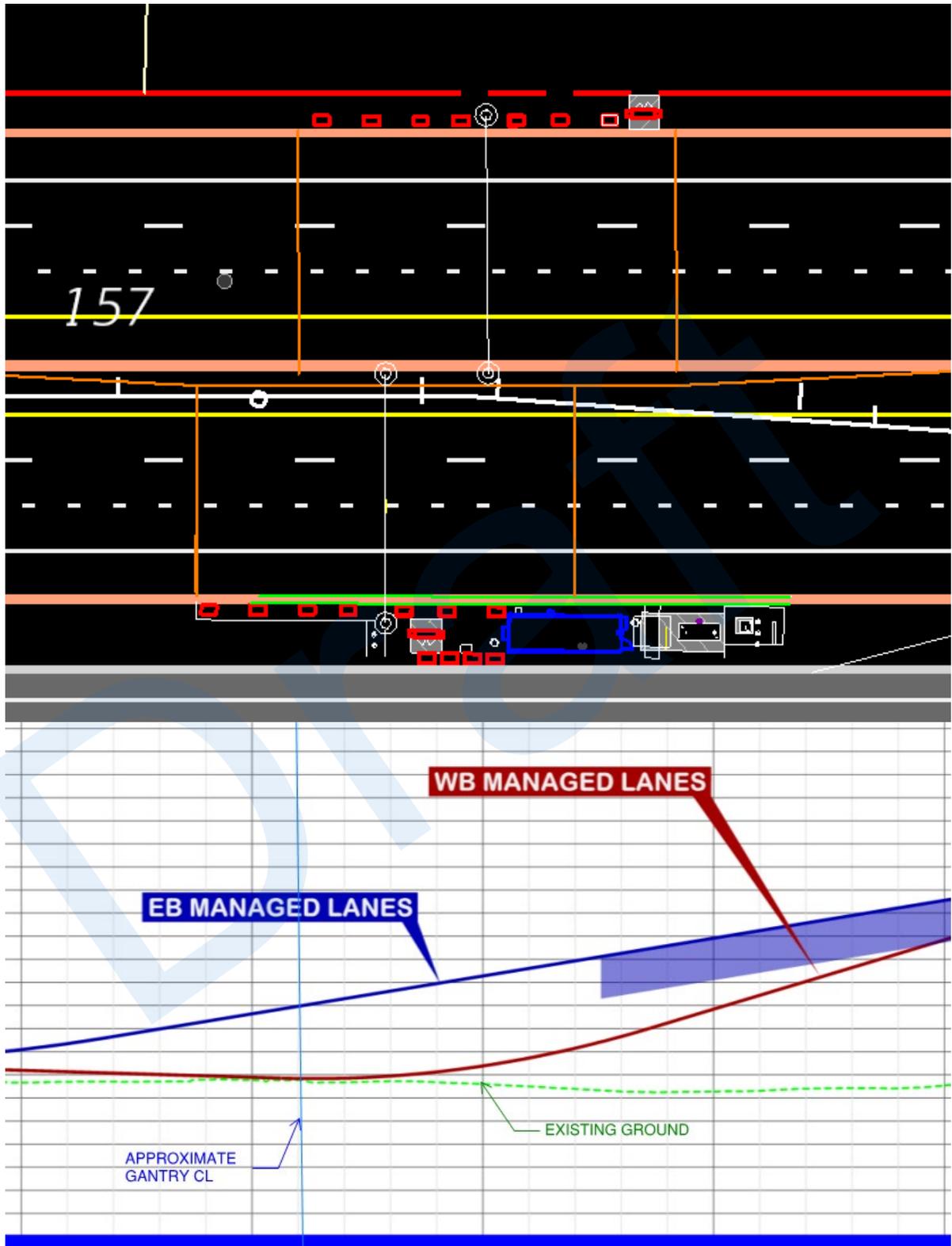


For the EB direction, in keeping with the FDOT concept, two toll facilities are utilized. **Site 3** will be located west of Powerline Road, and will only toll the EB movement. The second site will either be located at **Site 1** or **Site 2**.



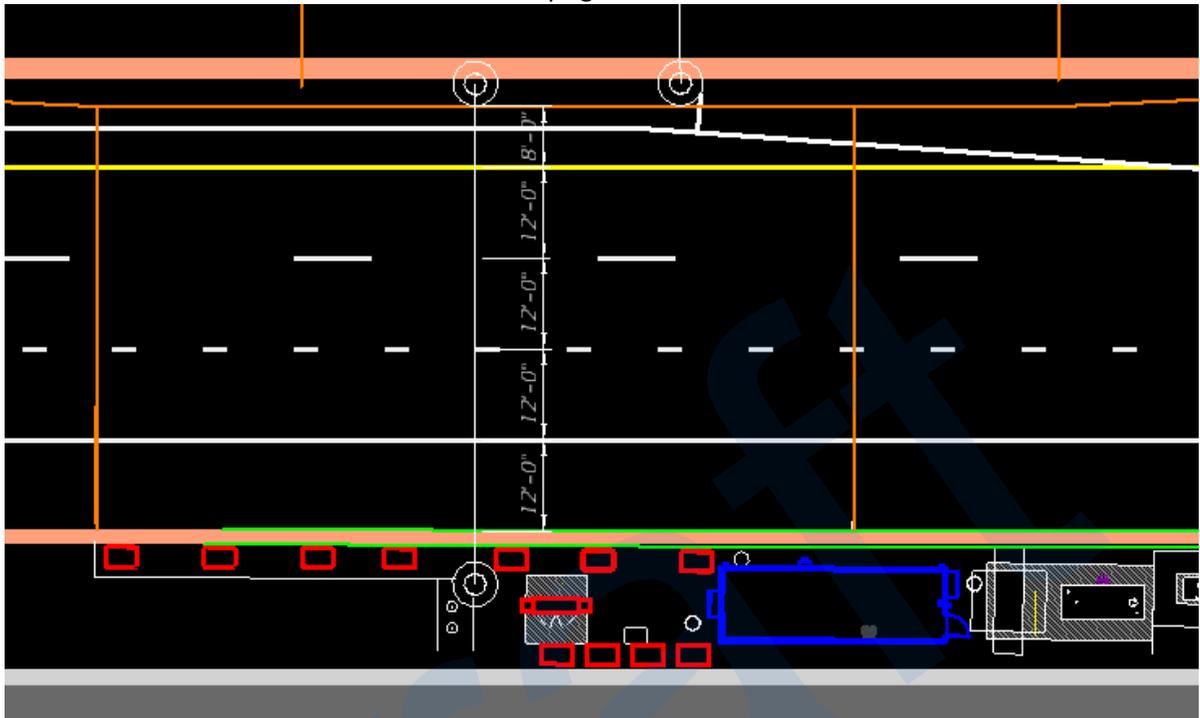
It should be noted that both **Sites 1 & 2** have loops located adjacent to high-voltage lines, which will need to be evaluated and relocated as necessary. Although it is not FTE's preference, it is recommended that tolling the local on-ramps for both EB and WB be investigated, to avoid relocation of these powerlines.

- Site 1: Two separate gantries (sharing a building) built due to differences in elevations
 - The Toll Site will need to be located between stations 155+90 and 160+10 to provide enough space for the toll building envelope without encroaching on local lanes.
 - This does however make the entrance greater than 1 mile from the express lanes entrance at Turnpike. A decision will need to be made if an additional tolling location needs to be added closer to this on-ramp. However to do this will require ROW acquisition.
 - The toll site cannot be in a depressed area.
 - Unless the wall can be built out at this location, the building will need to be at ground elevation with one of the uprights on the ground. This will result in a tall upright at this location.

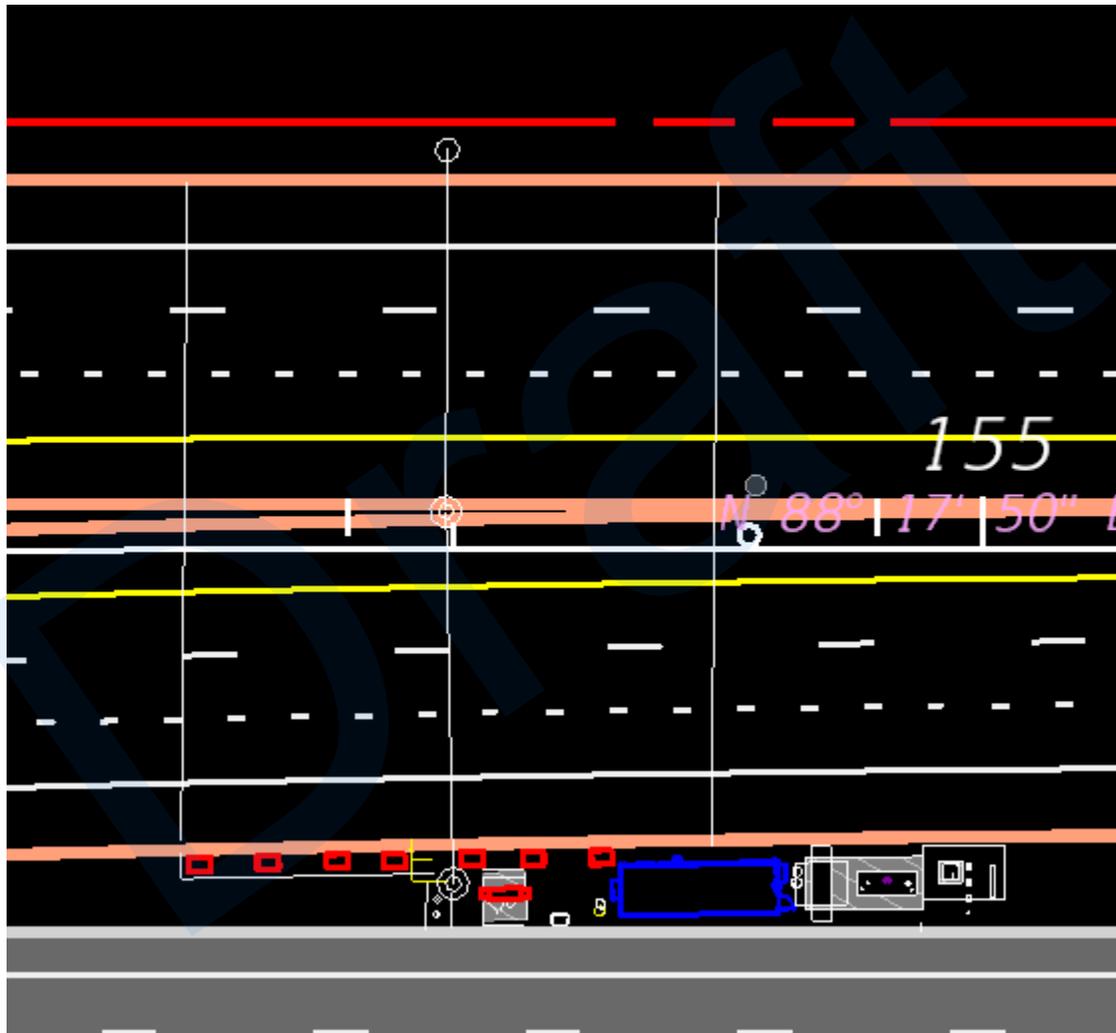


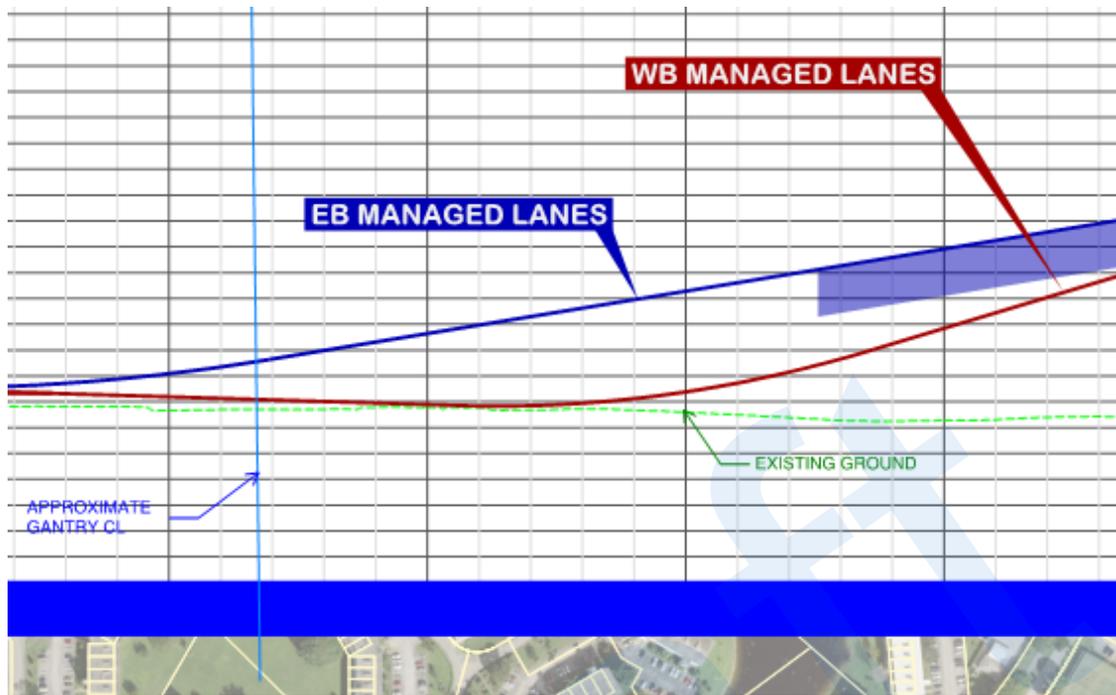
- The gantry can be located at any location between these stations due to use of separate uprights. If the toll site is placed on the retaining wall, plastic straps will be required when building the wall.
- Toll building will be 'skinny' building due to R/W constraints.

- Building will be located South of EB express lanes.
- The Inside shoulder in either the EB or WB direction will need to be reduced to 8'-0" accommodate a drilled shaft and upright.

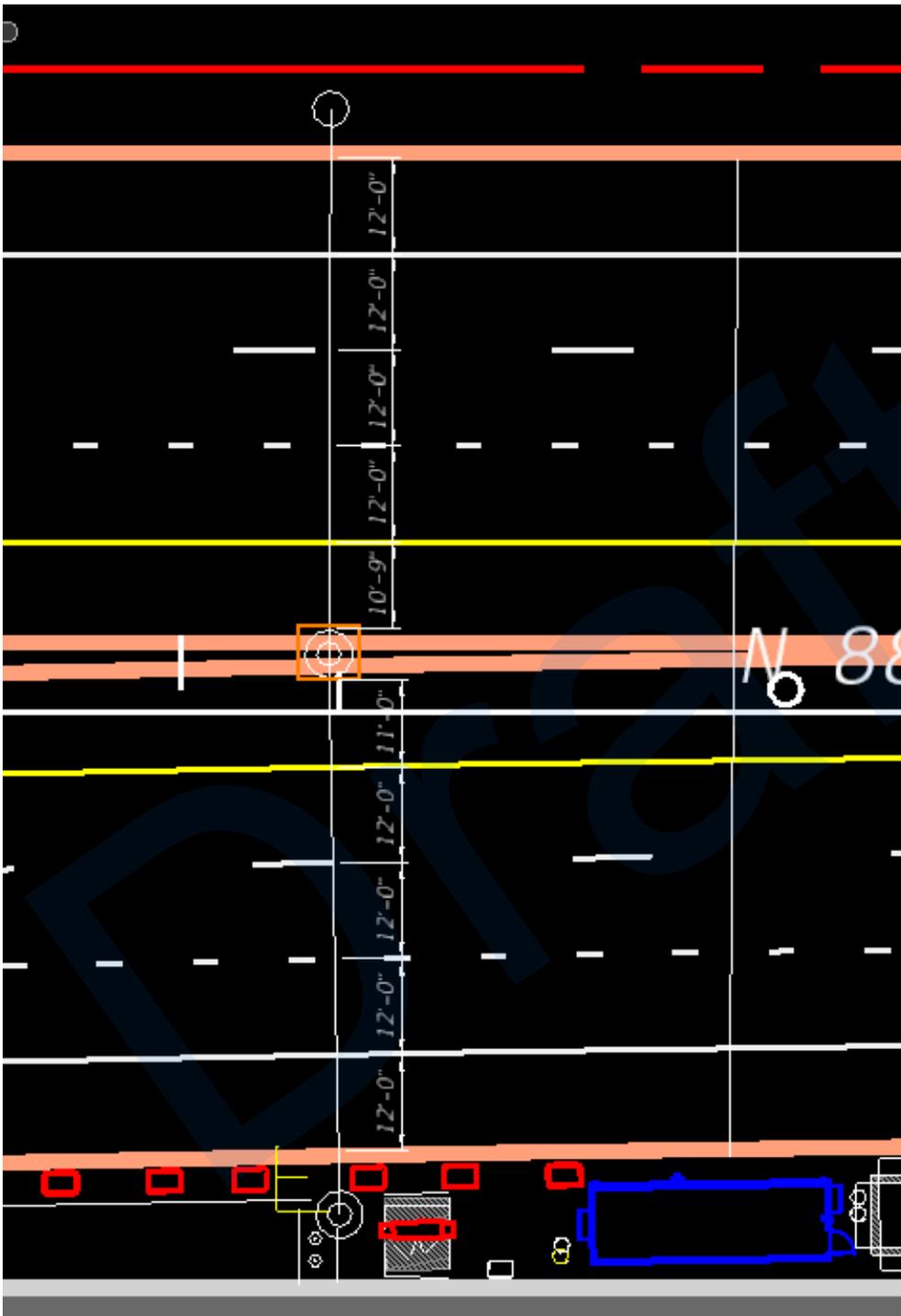


- Site 2: One building with two gantries sharing median upright
 - Gantry will be located between stations 155+90 and 160+10 to provide enough space for the toll building envelope without encroaching on local lanes.
 - Ideally gantry will be located at Sta. 155+90 to minimize vertical distance between two roadways.
 - 'Skinny' toll building will be placed South of the EB lanes.
 - Two gantries will be utilized, with a 'kink' at the center upright, similar to what was done at the Homestead Mainline gantry, to allow both gantries to be perpendicular to the roadway.





Draft



246 – At-Grade / No-Ramp

- Gantry can be accommodated if tolling is required.

Tabulation of Recommended Sites

The following table summarizes criteria analysis provided in part III against the recommended toll sites:

| Criteria | Description | | | | | | NOTES |
|------------|---|---------|--------|---------|--------|--------|---|
| | | 117&245 | | 237&242 | | | |
| | | Site 1 | Site 2 | Site 1 | Site 2 | Site 3 | |
| GTR 3.2.2 | Located on tangent or curve greater than 3000' | PASS | PASS | PASS | PASS | PASS | |
| GTR 3.2.3 | Tolling point shall be 100 feet with gantry at the midpoint | PASS | PASS | PASS | PASS | PASS | |
| GTR 3.2.4 | Centerline of gantry shall be perpendicular or radial to travel lanes | PASS | PASS | PASS | PASS | PASS | |
| GTR 3.2.5 | Located outside of low points of sag vertical curves or areas susceptible to standing water | PASS | PASS | PASS | PASS | PASS | |
| GTR 3.2.6 | Lane and shoulder widths constant through 100 feet of tolling pavement | PASS | PASS | PASS | PASS | PASS | |
| GTR 3.2.7 | No merge or weave conditions, in part or full within 200 feet of the centerline of gantry | PASS | PASS | PASS | PASS | PASS | |
| GTR 3.2.8 | Gantry must be located within 1 mile of express lane entry points | FAIL | FAIL | FAIL | FAIL | FAIL | |
| GTR 3.2.9 | Toll sites are not permitted to be located within superelevation transitions | | | | | | To be considered in design phase |
| GTR 3.2.10 | Roadway cross slope under gantry shall not result in an elevation difference of more than 26" between the highest and lowest j-arm. | PASS | PASS | PASS | PASS | PASS | |
| GTR 3.2.13 | Toll equipment must not be impacted by nearby elements such as sign structures, bridges, light poles and toll plaza canopies, etc. | PASS | PASS | PASS | PASS | PASS | |
| GTR 3.2.17 | Toll Site Envelope must not be located within 200 feet of high voltage (>600VAC RMS or VDC) circuits or conductors | FAIL | PASS | FAIL | FAIL | PASS | Recommend performing a radio frequency interference study |
| GTR 3.2.18 | Roadway light poles conduits and conductors must not be located within 5 feet of toll site envelope | | | | | | |
| GTR 3.2.19 | Tolling pavement shall be free of metal | PASS | PASS | PASS | PASS | PASS | USE PLASTIC MSE WALL |
| GTR 3.2.20 | Tolling point must not be within 500' of any device operating within the 902 MHz to 928 MHz frequency band. | | | | | | Unknown at this time |
| GTR 3.2.21 | Sufficient right of way exists to accommodate the toll equipment building and associated infrastructure | PASS | PASS | PASS | PASS | PASS | |
| GTR 9.2.15 | Existing and proposed utilities, drainage or bridge foundations must not be located below the building and supporting site infrastructure which includes the roadway pavement within 60 feet perpendicular to the gantry centerline. Drainage pipes parallel to the roadway and top of ditches must be located a minimum of 5 feet from the toll site envelope. | | | | | | To be considered in design phase |



SW 10th STREET
TECHNICAL MEMORANDUM



| | | | | | | | |
|-------------------------------|--|------|------|------|------|------|-----------------------------------|
| GTR 9.4.15 | Finished floor elevation must be a minimum of 18" above 100 year flood elevation and 100-year design stage of adjacent storm water management facilities. | | | | | | To be considered in design phase |
| GTR 13.2.2 | Minimum shoulder for mainline must be twelve (12) feet, or ten (10) feet when adjacent to the maintenance pull off area. | FAIL | PASS | FAIL | PASS | PASS | |
| GTR 13.5.1 | Electromagnetic field emitting sources are prohibited within 5 feet of the toll site envelope | PASS | PASS | PASS | PASS | PASS | |
| GTR 13.5.2 | There must be no low voltage (120/240V or 480V) AC or DC power lines under loop tolling pavement and must be a minimum of 5 feet from the toll site envelope | | | | | | To be considered in design phase |
| GTR 13.5.3 | There shall be no low voltage (120/240V or 480V) AC or DC power lines within 5 feet of loop conduits. | | | | | | To be considered in design phase |
| GTR 13.5.4 | There must be no metal or pipes carrying fluids underneath or within 5 feet of the toll site envelope | | | | | | To be considered in design phase |
| GTR 14.2.1 | The maximum cable distance between the E6 Reader and antenna cable is under 100 feet | PASS | PASS | PASS | PASS | PASS | E6 mounted on several structures |
| GTR 14.2.2 | The maximum cable distance between the E6 readers and the new TEC-provided tolling equipment inside of the building shall not exceed 250 feet. | PASS | PASS | PASS | PASS | PASS | Maximum span is 120'. |
| GTR 14.2.3 | The maximum cable distance between any remaining toll equipment mounted to the j-arms and the TEC-provided tolling equipment inside of the building shall not exceed 250 feet. | PASS | PASS | PASS | PASS | PASS | Maximum span is 120'. |
| GTR 14.2.4 | The maximum cable distance between any tolling loop and the TEC-provided tolling equipment inside of the building shall not exceed 250 feet. | PASS | PASS | PASS | PASS | PASS | Maximum span is 120'. |
| Florida Gas Transmission | Site tolling points shall not be in conflict with FGT line or specified width | N/A | N/A | N/A | N/A | N/A | |
| Roadway Design Criteria | Roadway design criteria coordination | | | | | | .To be considered in design phase |
| ITS/Communication | Availability of existing ITS FOC backbone. | | | | | | To be considered in design phase |
| ITS/Communication | Availability and redundancy of commercial Metro Ethernet service providers. | | | | | | To be considered in design phase |
| Power Service | Availability of power and location of point of service. | | | | | | To be considered in design phase |
| Existing Utilities | Site tolling point shall not be in conflict with existing utilities to remain | | | | | | To be considered in design phase |
| Existing and Proposed Signage | Site tolling points shall not be in conflict with existing or proposed signage | | | | | | To be considered in design phase |
| Maintenance of Traffic | Site tolling points shall be proposed in locations where Maintenance of Traffic can be maintained | PASS | PASS | PASS | PASS | PASS | |
| Environmental | Avoided environmental impacts | | | | | | To be considered in design phase |
| | | | | | | | |

Appendix G – Pump Station Technical Memorandum

Draft



TECHNICAL MEMORANDUM

| | | | |
|-----------------|---|----------------------|----------------|
| To: | Robert Bostian, P.E. FDOT Project Manager | FPID No: | 439891-1-22-02 |
| | | Contract No.: | C9V60 |
| From: | Cassie Piche, P.E. 3400 West Commercial Blvd Fort Lauderdale FL | | |
| Subject: | Pump Station Analysis | | |
| Date: | October 10, 2018 | | |

A preliminary pump station analysis was completed for four alternatives being presented at the November 29 Public Alternatives Workshop. The following technical memo describes the assumptions and computations for the pump station design for each alternative.

Fully Depressed Alternative (117)

For the pump stations serving the depressed section the plan is to use a generator within a sound enclosure (with base fuel tank) and electrical equipment within NEMA 4X cabinets which are outdoor rated to eliminate the need for a building. If a building is desired by FDOT or stakeholders, there does appear to be space on this alternative to use one. For the pump station serving the canal on the north and south side of SW 10th street we are using a building to house both the generator and the electrical gear. A fuel tank is not shown, as there are a number of options for the fuel tank which include a tank within the building, underground tank, or above ground tank adjacent to the building. Below are the backup assumptions for determining the size.

Alternative 117 – (Fully Depressed Section)

- Area of depressed roadway = 14.96 acres – 4.43 acres (bridge) = 10.53
- Weighted C = 0.95
- Rainfall Intensity = 9.25
- Flow = (10.53)(0.95)(9.25) = 92.53 cfs

- Plan is to use two pump stations for the Fully Depressed Section.
- West Pump Station will pump to Pond Alternative 2
- East Pump Station will pump to C-2 Canal
- Each Pump Station Capacity = 45.3cfs = 20,767gpm
- Quadplex Pump Station with each pump sized for a third of the total capacity.
- Forcemain size from pump station to each discharge location = 48" (3.69fps) with a total length of 3425ft.
- Approximate Pump Duty Point = 7000 gpm at 54ft – Yields approximate horsepower of 135hp
- Approximate Generator Size = 600Kw (Conservatively sized for four pumps to operate. Use an outdoor generator with a sound attenuated enclosure)
- Wetwell size to meet Flygt Pumps Minimum Design Recommendations (based on Hydraulic Institute)
- Wetwell volume is sized to provide 3 minutes of run time for one pump.

- To minimize wetwell size the influent drainage pipe will need to be sized to provide additional working volume within the pump operating level range (influent pipe will need to be larger and deeper than drainage flow alone would indicate).

C-2 Canal Pump Stations

This alternative requires a pump station on the north and south side of SW 10th street to pump provide either flow to the north or flow to the south. The existing canal is served by two 72" RCP pipes. The required capacity of the C-2 canal in the north direction or south direction are currently unknown. The capacity of the two 72" RCP pipes is conservatively estimated to equal 328 cfs (this is believed to be well over the actual required drainage capacity). Each station north and south are sized to be equal and equipped with its own electrical gear and generator. Pump Station will use an open intake from the canal. Discharge will utilize an inverted siphon under the depressed roadway section.

- Each Pump Station Capacity = 328 cfs = 147,226gpm
- Pump Station will utilize 5 axial flow pumps where each pump is sized for a quarter of the total capacity.
- Estimated horsepower is 250 hp each
- Approximate Generator Size = 1500 Kw (Conservatively sized for five pumps to operate. Use an indoor generator housed within a masonry building)

Depressed WB Alternative (237)

For this pump station the plan is to use a generator within a sound enclosure (with base fuel tank) and electrical equipment within a Nema 4X cabinets which are outdoor rated to eliminate the need for a building. If a building is desired by FDOT or stakeholders, there does appear to be space on this alternative to use one. Below are the backup assumptions for determining the size.

Alternative 237 – (depressed ramp)

- Area of depressed roadway = 1.18 acres - 0.268 acres (bridge) = 0.91
- Weighted C = 0.95
- Rainfall Intensity = 9.25
- Flow = $(0.91)(0.95)(9.25) = 8.0$ cfs
- Worst Case Scenario is pumping to Pond Alternative 2
- Pump Station Capacity = 8.0 cfs = 3,590 gpm
- Triplex Pump Station with each pump sized for half of the total capacity.
- Forcemain size from pump station to pond = 18" (4.5 fps) with a total length of 2700 ft.
- Approximate Pump Duty Point = 1800 gpm at 60 ft – Yields approximate horsepower of 40-45 hp
- Approximate Generator Size = 200 Kw (Conservatively sized for three pumps to operate. Use an outdoor generator with a sound attenuated enclosure)
- Wetwell size to meet Flygt Pumps Minimum Design Recommendations (based on Hydraulic Institute)
- Wetwell volume is sized to provide 3minutes of run time for one pump.
- To minimize wetwell size the influent drainage pipe will need to be sized to provide additional working volume within the pump operating level range (influent pipe will need to be larger and deeper than drainage flow alone would indicate).

Depressed Eastbound Managed Lanes Alternative (242)

This particular alternative does not have sufficient space for the sound wall and the pump station and associated equipment. The pump station will fit within the right of way at the expense of eliminating the space for the sound wall. The wetwell extends beneath the sidewalk. For this pump station, the plan is to use a generator within a sound enclosure (with base fuel tank) and electrical equipment within a Nema 4X cabinets which are outdoor rated to eliminate the need for a building. If a building is desired by FDOT or stakeholders, it appears additional land will be required. Below are the backup assumptions for determining the size.

Alternative 242 – (Two eastbound lanes depressed)

- Area of depressed roadway = 3.70 acres - 0.19 acres (bridge) = 3.51
- Weighted C = 0.95
- Rainfall Intensity = 9.25
- Flow = $(3.51)(0.95)(9.25) = 30.8$ cfs

- Worst Case Scenario is pumping to Pond Alternative 2
- Pump Station Capacity = 30.8 cfs = 13,843 gpm
- Triplex Pump Station with each pump sized for half of the total capacity.
- Forcemain size from pump station to pond = 36" (4.41 fps) with a total length of 3125 ft.
- Approximate Pump Duty Point = 7000 gpm at 52 ft – Yields approximate horsepower of 130-135 hp
- Approximate Generator Size = 450 Kw (Conservatively sized for three pumps to operate. Use an outdoor generator with a sound attenuated enclosure)
- Wetwell size to meet Flygt Pumps Minimum Design Recommendations (based on Hydraulic Institute)
- Wetwell volume is sized to provide 3minutes of run time for one pump.
- To minimize wetwell size the influent drainage pipe will need to be sized to provide additional working volume within the pump operating level range (influent pipe will need to be larger and deeper than drainage flow alone would indicate)

Partially Depressed Alternative (245)

For this pump station the plan is to use a generator within a sound enclosure (with base fuel tank) and electrical equipment within a Nema 4X cabinets which are outdoor rated to eliminate the need for a building. If a building is desired by FDOT or stakeholders there does appear to be space on this alternative to use one. Below are the backup assumptions for determining the size.

Alternative 245 – (Optimized depressed section)

- Area of depressed roadway = 6.10 acres - 0.29 acres (bridge) = 5.81
- Weighted C = 0.95
- Rainfall Intensity = 9.25
- Flow = $(5.81)(0.95)(9.25) = 51.1$ cfs

- Worst Case Scenario is pumping to Pond Alternative 2
- Pump Station Capacity = 51.1 cfs = 22,917 gpm
- Quadplex Pump Station with each pump sized for a third of the total capacity.

- Forcemain size from pump station to pond = 48" (4.08 fps) with a total length of 3425 ft.
- Approximate Pump Duty Point = 7667 gpm at 54 ft – Yields approximate horsepower of 150 hp
- Approximate Generator Size = 750 Kw (Conservatively sized for four pumps to operate. Use an outdoor generator with a sound attenuated enclosure)
- Wetwell size to meet Flygt Pumps Minimum Design Recommendations (based on Hydraulic Institute)
- Wetwell volume is sized to provide 3 minutes of run time for one pump.
- To minimize wetwell size the influent drainage pipe will need to be sized to provide additional working volume within the pump operating level range (influent pipe will need to be larger and deeper than drainage flow alone would indicate).

Draft

Appendix H – COAT Recommendations

Draft

History of the COAT

In 2015, the Broward Metropolitan Planning Organization (MPO) created the Community Oversight Advisory Team (COAT). The COAT was tasked with obtaining consensus on a vision for the SW 10th Street corridor. The team was comprised of members from the surrounding community (businesses and homeowner representatives) as well as elected and appointed officials. The composition of the team consisted of:

- Nine members from the City of Deerfield Beach:
 - Four residents from communities adjacent to SW 10th Street;
 - Two business representatives; and
 - Three citywide representatives.
- Eight members from the SW 10th Street Study Area:
 - Two from the City of Coconut Creek;
 - Two from the City of Coral Springs;
 - Two from the City of Parkland; and
 - Two representing Broward County interests.

The COAT ultimately provided 18 recommendations and 15 sub-recommendations to the Broward MPO in 2016. The PD&E team has had seven meetings with the COAT since the start of the PD&E Study, the meeting minutes for those meetings are included in the Public Involvement Summary, available under separate cover. The latest series of meetings with the COAT were held to review the COAT's recommendations for the study and to assess how the PD&E Study was incorporating those recommendations. These meetings were held from April to June of 2019. The COAT recommendations and a summary of how each recommendation is being implemented or considered and a reference for where additional information on that topic can be found is included in the table below.

COAT Recommendations Table

| Rec Number | Recommendation | Disposition | Reference for More Information |
|------------|---|---|--|
| 1 | Creatively determine if an engineering solution which is environmentally feasible can be provided to improve safety of SW 10th Street and provide an efficient traffic solution between Sawgrass / Turnpike and I-95 while maintaining quality of life. | The Preferred Alternative has two roadway envelopes that address the safety and operations of the facility while maintaining the quality of life by incorporating a depressed section, a lower posted speed on local SW 10 th Street and incorporating complete street elements (sidewalk and bicycle lanes) as well as landscaping and aesthetic treatments along the corridor. | PER Section 6 |
| 2 | Improve safety while maximizing improvements to traffic flow of 10th Street and roadway intersections and expressway interchanges. | The Preferred Alternative includes a managed lane system which adds capacity to the corridor with a limited access connector road that will connect I-95 with the Sawgrass Expressway and Florida’s Turnpike while also providing ingress and egress to the SW 10 th Street local lanes. This “connector road”, which will not be tolled initially, will allow trucks to use the facility, thereby helping to maximize the reduction of congestion in the local SW 10 th street lanes. This congestion reduction will, in turn, reduce congestion | PTAR Section 7.2 and PER Section 4.4.2 |
| 2.1 | To include public safety accessibility | | |

| Rec Number | Recommendation | Disposition | Reference for More Information |
|------------|--|---|--------------------------------|
| | | related incidents as well as provide improved emergency response times. A wider sidewalk as well as buffered bicycle lanes along local SW 10 th Street are also proposed. | |
| 3 | Include near term solutions. | Near term solutions include signal timing improvements and other Transportation Systems Management and Operations (TSM&O) type improvements. | PER Section 6.1.9 and 6.1.4 |
| 3.1 | Signal timing improvements - current technology. | The signals have been optimized by Broward County Traffic Engineering (BCTE) along SW 10th Street and are continually monitored. BCTE conducted a vehicle detection test in April 2019 to confirm traffic signal optimization is working correctly. | |
| 3.2 | Adaptive Signal Technology. | Adaptive traffic signal technology does not improve the flow of traffic when the roadway is at, or over, capacity. Adaptive traffic signals alone does not provide a long-term solution. However, adaptive technologies will be built into the Preferred Alternative and the latest technology utilized for the improvements. FDOT is also considering work-zone oriented applications that could | |

| Rec Number | Recommendation | Disposition | Reference for More Information |
|------------|--|---|--------------------------------|
| | | provide benefits to the local system after construction as well. | |
| 3.3 | Additional Traffic Lanes | Additional travel lanes are not considered as a near-term solution, but the Preferred Alternative includes four additional managed lanes. | |
| 4 | Include a below-grade expressway with at-grade local access roads. | The Preferred Alternative includes a below-grade movement for the westbound managed lane exit ramp. Local roads will remain at-grade. | |
| 4.1 | Include extending below-grade expressway, west of westerly residential roadway connection to SW 10th Street. | This has been determined to not be feasible due to the proximity to the Turnpike overpass and future planned improvements at the Turnpike and Sawgrass Expressway interchange. However, the overpass bridge at Waterways has been moved west, to minimize visual impact to the residential areas. | PER Section 6.1.4 |
| 4.2 | Include extending below-grade expressway as close to Military Trail as possible, that would allow Military Trail intersection to | The Preferred Alternative remains at-grade as close to Military Trail as possible per FDOT geometric design criteria. Military Trail will remain at-grade. The managed lanes are required to go over Military Trail due to the proximity of the railroad crossing. | |

| Rec Number | Recommendation | Disposition | Reference for More Information |
|------------|---|---|--------------------------------|
| | remain at grade (No overpass of Military Trail over Expressway). | | |
| 5 | Minimize, and attempt to eliminate, use of above grade overpass where adjacent to residential areas. | Overpasses are being used only where absolutely unavoidable. The Preferred Alternative does include a managed lane overpass at Military Trail and Powerline Road, which transition to at-grade in the vicinity of residential areas. In order to keep the local roads at-grade and due to the proximity of the railroad, these overpasses are necessary. The overpass previously proposed at Waterways Boulevard was moved to the west to better comply with this recommendation. | |
| 6 | Improve access for local roadways and expressways west of I-95. | The Preferred Alternative includes managed lanes on the north and local SW 10 th Street on the south side, so | |
| 6.1 | Improve residential access to SW 10th and expressways from Waterways, Independence Bay, Century Village, Waterford Homes, Waterford Courtyards, and the Renaissance (nursing home). | access to residential communities and commercial centers to local SW 10 th Street can remain. There will also be median modifications that improve safety and traffic flow along local SW 10 th Street. Additional features will be provided to help enhance business access, such as an additional traffic signal along | PER Section 6.1.7 and 6.1.8 |

| Rec Number | Recommendation | Disposition | Reference for More Information |
|------------|---|--|--------------------------------|
| 6.2 | Improve commercial access to SW 10th and expressways for Newport Center, Publix Distribution, Palm Trails Plaza, SW 10th Street strip mall, Industrial area along SW 30th Street, Sawgrass Promenade. | Powerline Road to facilitate a protected left-turn out of Quiet Waters Business Park and a roundabout at SW 12 th Avenue and Newport Center Drive to facilitate movements due to the proposed intersection reconfiguration at the Newport Center / SW 10 th Street intersection. Both of these features also enhance the commercial access to the managed lanes. | |
| 6.3 | Improve Sawgrass Expressway and Turnpike connection to I-95. | | PER Section 4.4.2 |
| 7 | Encourage improved access to expressway and 10th Street from local roads east of I-95. | The Preferred Alternative provides ingress and egress access to local SW 10 th Street that will accommodate traffic coming from and going to locations along SW 10 th Street east of I-95. | PER Section 4.4.2 |
| 8 | Include generous table top intersections for local roads to improve pedestrian and bike connectivity north and south across SW 10th Street. | Table top intersections were envisioned to improve pedestrian and bicycle connectivity. However, since the Preferred Alternatives utilizes a northern alignment, this connectivity is not needed in the form of table tops. In addition, it includes crosswalks at all signalized intersections, eight to ten-foot sidewalks and buffered seven-foot bicycle lanes. | PER Section 6.1.5 |

| Rec Number | Recommendation | Disposition | Reference for More Information |
|------------|---|---|--------------------------------|
| 9 | Prepare Noise Study and identify mitigation needs required. | A Noise Study Report has been prepared and has identified mitigation requirements in the form of noise walls where warranted adjacent to residential areas. | NSR and PER Section 6.2.7 |
| 9.1 | Include noise walls (include at the beginning of construction). | The Noise Study Report prepared for the Preferred Alternative indicates that noise walls are warranted in front of all residential areas on SW 10 th Street. Noise walls that are desired and identified to be constructed with the project, will be constructed as early in the construction project as possible. | |
| 9.2 | Explore sound proofing for affected homes and businesses. | FDOT has worked closely with the Federal Highway Administration (FHWA) and the FDOT Office of Environmental Management to determine the potential for soundproofing windows and doors for residential properties. Based on this coordination and per the FHWA 23 CFR 772 regulation as well as State Statute 335.17, it has been determined that interior noise abatement may only be considered for qualifying public facilities (medical facilities, libraries, place of worship etc.) or nonprofit institutions. FDOT does not have authorization to provide noise abatement outside | |

| Rec Number | Recommendation | Disposition | Reference for More Information |
|------------|---|--|--------------------------------|
| | | of the FDOT proposed right-of-way except for those facilities listed above if it is warranted. | |
| 10 | Accelerate SW 10th Street PD&E scoping and consultant selection to catch up with: | The SW 10 th Street PD&E scoping and consultant selection were accelerated to align with the adjacent PD&E Studies. | N/A |
| 10.1 | PD&E for the Sawgrass / 10th Street interchange with Turnpike. | The SW 10 th Street PD&E project has been accelerated and is now anticipated to be completed prior to the Sawgrass / Turnpike interchange with SW 10 th Street PD&E Study. The acceleration of the SW 10 th Street project has allowed both teams to collaborate and refine roadway geometry on the west end of the SW 10 th Street project. | |
| 10.2 | PD&E for the SW 10th Street interchange with I-95. | SW 10 th Street PD&E and the I-95 interchange PD&E from SW 10 th Street to Hillsboro Boulevard project schedules are closely aligned to obtain Location Design Concept Acceptance (LDCA) within a short time frame of each other. The two studies had joint public alternatives meeting and public hearing. | |

| Rec Number | Recommendation | Disposition | Reference for More Information |
|------------|--|---|--------------------------------|
| 11 | Create a Gateway to North Broward by maximizing landscaping along 10th Street and north and south along adjacent connecting roadways, including landscape buffers and berms (by using native species). | The FDOT has created two stand-alone landscaping projects to occur after the construction of the SW 10th Street Connector. The FDOT will maintain trees, but if more robust landscaping is desired, then the FDOT is willing to construct it, but would require the City of Deerfield Beach to maintain. | Commitment |
| 11.1 | Explore use of revenue generated by tolls for maintenance of landscaping and tabletop parks. | The managed lane facility will open without tolling and the Preferred Alternative does not provide for tabletop parks. Any potential future tolling revenue will be allocated per FS 338.166. | Commitment |
| 12 | Minimize impacts to the environment including wetlands and air and water quality. | The Preferred Alternative has been designed to minimize the natural, physical, cultural, and social impacts. The natural environment impacts have been documented in a Natural Resources Evaluation (NRE) Report. There are no wetland impacts associated with this project and minimal surface water impacts. FDOT commits to conducting updated bald eagle survey the nesting season prior to the start of construction and will coordinate the results with USFWS. The air | NRE, AQTM, and WQIE |

| Rec Number | Recommendation | Disposition | Reference for More Information |
|------------|---|---|--------------------------------|
| | | <p>quality has been assessed and documented in the Air Quality Technical Memorandum (AQTM). The addition of the managed lanes is anticipated to improve traffic flow along the corridor which will reduce greenhouse gas emissions. The water quality has been documented in the Water Quality Impact Evaluation (WQIE) as well as the Sole Source Aquifer (SSA) checklist that has been coordinated with the Environmental Protection Agency (EPA). No significant water quality impacts are anticipated. During design, permitting and construction this will be further addressed through the use of best management practices and adherence to the standard specifications for roadway and bridge construction.</p> | |
| 13 | Encourage mass transit and carpooling alternatives. | Broward County lacks a transit route along SW 10 th Street, but the City has a local bus route. FDOT will work with both entities to accommodate bus stops and other transit features to facilitate transit service. | PER Sections 2.10 and 6.1.6 |
| 14 | Protect Deerfield Beach's West Well Field. | The City of Deerfield Beach drinking wells are protected to a depth of approximately 90 feet and the | Well diagram |

| Rec Number | Recommendation | Disposition | Reference for More Information |
|------------|--|--|--------------------------------|
| | | <p>actual well begins at approximately 170 feet below ground. Meetings have been held with the City, County and permitting agencies. Coordination with agencies will continue as project progresses. Temporary and permanent groundwater evaluations have been performed. Minor fluctuations to the ground water have no impact on the drinking water wells.</p> | |
| 15 | <p>Maximize business signage visibility and include temporary signage for local businesses during construction.</p> | <p>The FDOT standards require business signing during construction. These details will be coordinated during the design phase. Access will be maintained to all businesses and communities during construction.</p> | <p>FDOT Design Standards</p> |
| 16 | <p>If tolling is planned for expressway, locate toll stations so as not to adversely affect local roadway network.</p> | <p>The managed lane facility will open without tolling until performance and operations fall below acceptable levels where tolling could improve these levels. At such time the FDOT will notify the public and solicit feedback for any tolling that is proposed in the future. If tolling is incorporated into the managed lane facility in the future, it will be electronic tolling or of a nature that does not require vehicles to stop to pay a toll.</p> | <p>Commitment</p> |

| Rec Number | Recommendation | Disposition | Reference for More Information |
|------------|---|---|--|
| 17 | Include alternate transportation routes during the construction phase to alleviate congestion once construction begins on SW 10th Street and plans to alleviate congestion on Hillsboro Blvd., Sample Rd., Wiles Rd., and SW 18th St. | Public outreach will be conducted to notify SW 10 th Street users of the construction and potential for traffic delays. Alternate routes will be encouraged and temporary improvements to traffic signal timing along alternate routes will be implemented. A conceptual Temporary Traffic Control Plan will be further developed during the design phase to identify any detour routes if needed. | Design Phase / PER 6.1.13 |
| 17.1 | Explore the potential to go under the railroad tracks at Hillsboro Blvd, to alleviate traffic during the construction phase and resolve issues on I-95. | The tunnel alternative was deemed infeasible and not advanced as part of the I-95 from SW 10 th Street to Hillsboro Boulevard Interchange PD&E Study. | I-95 interchange PD&E (FM # 436964-1) PER |
| 18 | Install utilities underground. | Utility coordination is being performed as a part of this PD&E study. City utilities will be relocated at no cost to the City of Deerfield Beach. Per, Florida Power and Light (FPL), has indicated that their transmission lines, if relocated, must remain above ground. Most other utilities will remain buried or attached to the FPL poles. | Utility Assessment Report |

Appendix I – Groundwater Technical Memo

Draft



MEMORANDUM

To: Chris Jackson, PE, LEED AP
RS&H, Inc.

Phil Schwab, PE
RS&H, Inc.

From: Jason C. Sheasley, PG

Date: September 13, 2019

**RE: Public Water Supply Wells Considerations
FPID No. 439891-1-22-02
SW 10th Street Connector PD&E Study
Broward County, Florida**

Kimley-Horn and Associates, Inc. (Kimley-Horn) has reviewed the SW 10th Street Connector Project Development & Environmental (PD&E) Study Preferred Alternative plans which propose to depress a section of SW 10th Street adjacent to existing public water supply wells maintained by the City of Deerfield Beach. Based on our review of the plans and Deerfield Beach well field data we do not anticipate any adverse impacts to the existing public water supply wells.

BACKGROUND

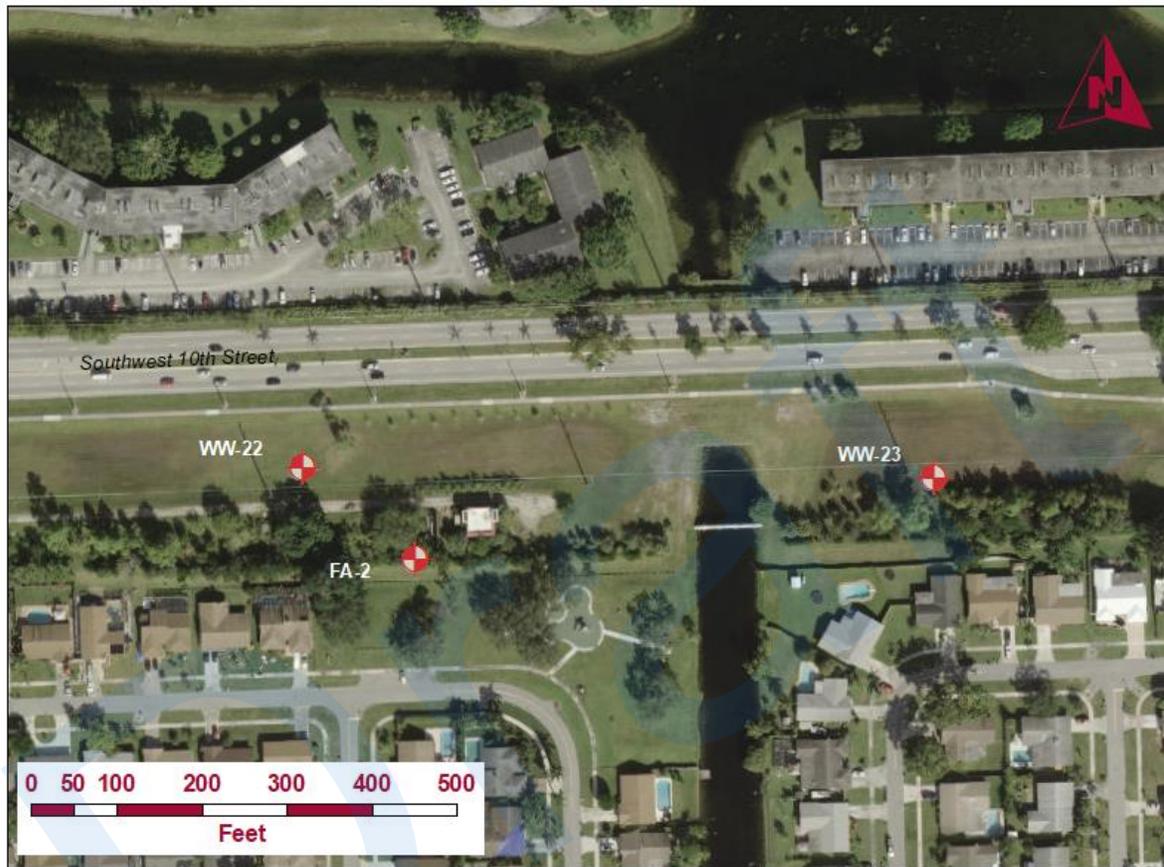
The depressed roadway will be constructed in cells; each approximately 100-feet long and 40-feet deep. Sheet piling will be installed along the perimeter of each cell to facilitate excavation and construction. The sheet pile will be constructed to depths ranging from 40 to 60 feet below land surface (bls). Furthermore, the sheet pile walls will be sealed using grout to preclude ground water infiltration into the excavation. As excavation and construction proceeds, the area inside each cell will be dewatered. Water-proofing will be installed in each cell prior to the construction of a concrete slab and concrete retaining walls. Each cell and the corresponding depressed roadway will be constructed in such a manner that permanent dewatering will not be necessary.

The City of Deerfield Beach maintains three public water supply wells (WW-22, WW-23 and FA-2) along the southern side of SW 10th Street (**Figure 1**). Wells WW-22 and WW-23 are constructed into the Biscayne Aquifer whereas FA-2 is constructed into the upper Floridan aquifer. The construction information for the three wells is presented below in **Table 1**.

**TABLE 1
DEERFIELD BEACH WELL CONSTRUCTION DETAILS**

| Well No. | Diameter (inches) | Total Depth (feet, bls) | Casing Depth (feet, bls) | Pump Capacity (gallons/minute) |
|----------|-------------------|-------------------------|--------------------------|--------------------------------|
| WW-22 | 14 | 170 | 105 | 2,800 |
| WW-23 | 14 | 200 | 105 | 2,800 |
| FA-2 | 12 | 1,030 | 915 | 3,000 |

**FIGURE 1
DEERFIELD BEACH WELL LOCATIONS**



HYDROGEOLOGY

There are two principal aquifer systems in northern Broward County; the surficial aquifer and the Floridan aquifer. According to Fish (1987), the surficial aquifer system is comprised of all materials from the top of the water table to the top of the intermediate confining unit. The intermediate confining unit is a thick sequence of low permeability sediments that separates the surficial aquifer from the underlying Floridan aquifer. The Floridan aquifer includes a thick sequence of highly permeable limestone and carbonate rocks. It is divided into the upper Floridan aquifer, middle confining or semi-confining unit and lower Floridan aquifer.

In the vicinity of SW 10th Street, the base of the surficial aquifer occurs at an altitude of approximately -320 feet below sea level. The bottom of the intermediate confining unit and the top of the Floridan aquifer occurs at approximately -1,000 feet below sea level.

The permeability of the sediments within the surficial aquifer system are highly variable. The system may be divided locally into one or more water bearing units separated by units of lower permeability. The most prominent water-bearing unit within the surficial aquifer system is known as the Biscayne

aquifer. It is comprised of sand, limestone and shelly limestone and is highly transmissive (150,000 to 300,000 feet²/day). For this reason, the Biscayne aquifer serves as the principal source of drinking water for several communities in south Florida, including Deerfield Beach.

The intermediate confining unit, which separates the surficial aquifer system from the Floridan aquifer is comprised chiefly of interbedded sand, silt and clay with mudstone, claystone, and dolomite. These lithologic units have very low permeabilities and have limited capacities for transmitting water. Furthermore, the low permeability of the intermediate confining unit precludes the movement of water between the overlying surficial aquifer system and the underlying Floridan aquifer. In the vicinity of the SW 10th Street, the low permeability units of the intermediate confining unit are more than 700 feet thick.

The Floridan aquifer is comprised of highly permeable limestone, dolomite, and dolomitic limestone. Historically, the Floridan aquifer has not been used as a source of drinking water in south Florida due to elevated chloride concentrations. However, in recent years the Floridan aquifer in south Florida has been used as an alternative water supply due to increased demands. The upper Floridan aquifer is highly transmissive. The transmissivity of the aquifer ranges from 20,000 to 29,000 feet²/day in the vicinity of SW 10th Street.

Based on the geotechnical data from the proposed depressed roadway section and lithologic logs for the City of Deerfield Beach wellfields unconsolidated sand, silt and shell hash is present to a depth of approximately 40 to 50 feet bls in the vicinity of SW 10th Street. Between 50 to 100 feet bls an alternating sequence of limestone, sand and sandstone is present. Below 100 feet bls, alternating sequences of limestone, sandstone, phosphatic sands, and shell hash are present to a depth of approximately 320 feet bls.

DISCUSSION

Kimley-Horn has considered both the short-term and long-term effects of the depressed roadway section on the nearby public water supply wells and presents the following discussion.

Construction Dewatering

We anticipate that there will be little to no effect on the nearby public water supply wells as a result of the proposed construction dewatering activities. This is based on the following:

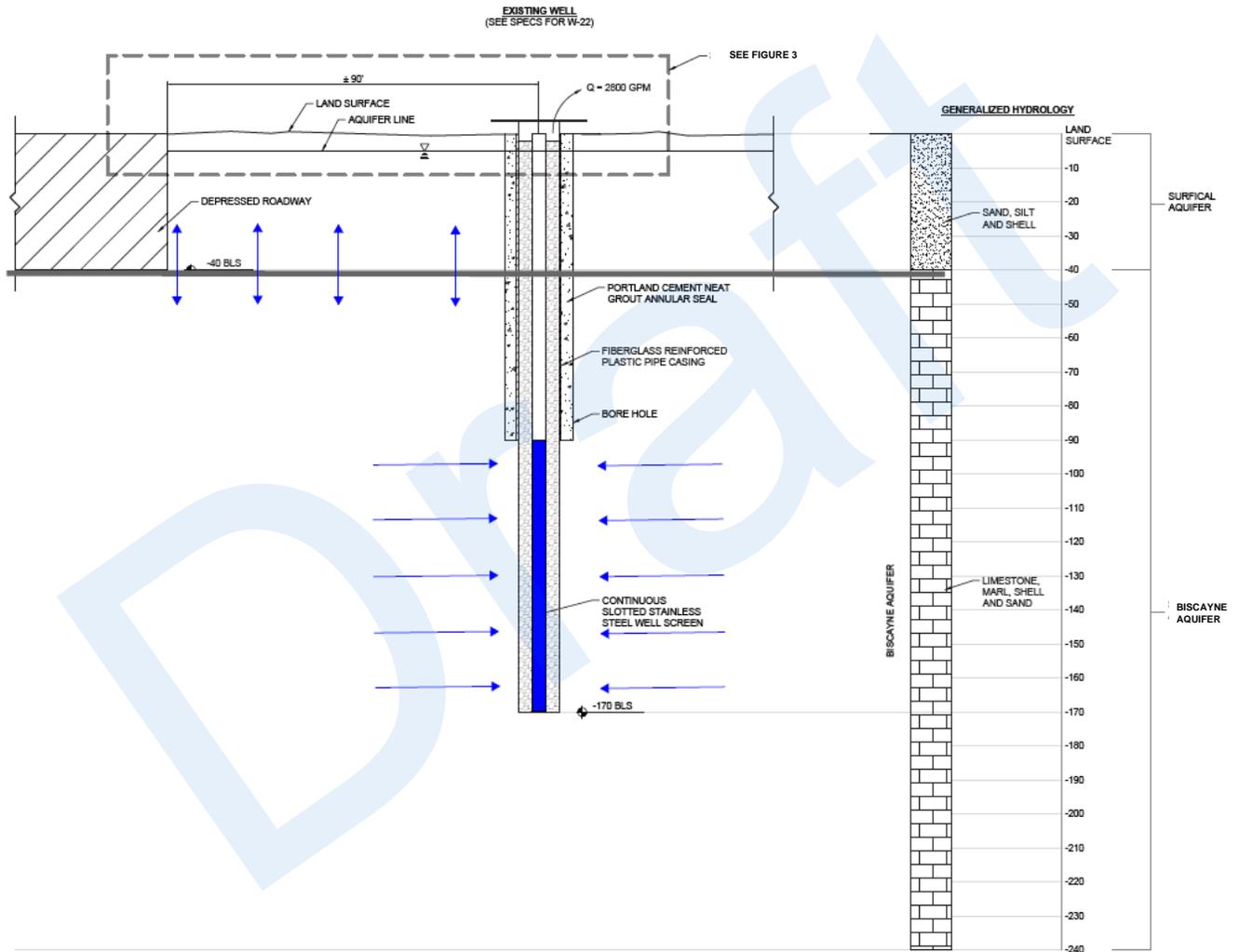
1. The proposed construction dewatering will occur inside of sheet piled cells. The sheet piling and tremie seal will isolate the individual cells from the surrounding subsurface area and prevent the infiltration of ground water into the excavation. Conversely, the sheet piling and tremie seal will preclude drawdown of the water table outside of the excavation area. Thus, the area inside the cells may be pumped dry to facilitate excavation and construction of the depressed roadway section.

The South Florida Water Management District (SFWMD) considers the use of sheet pile as an effective physical barrier to prevent drawdown of the water table due to short-term construction dewatering activities.

2. The total depths of the two Biscayne aquifer wells WW-22 and WW-23 are 170 and 200 feet bls, respectively. The wells are cased to approximately 105 feet bls. The depressed roadway

will be constructed to a depth of approximately 40 feet bls. Thus, the excavation activities will not intersect the water-bearing zone for the two production wells (Figure 2).

**FIGURE 2
DEPRESSED ROADWAY AND PUBLIC WATER SUPPLY WELL
CROSS-SECTION**



3. It is estimated that it will take approximately two months to complete each cell. Thus, the duration of dewatering will be short-term. When permitting short-term construction dewatering permits, the SFWMD does not require the corresponding impact analysis to include nearby water wells due to the limited duration at which potential impacts could occur.

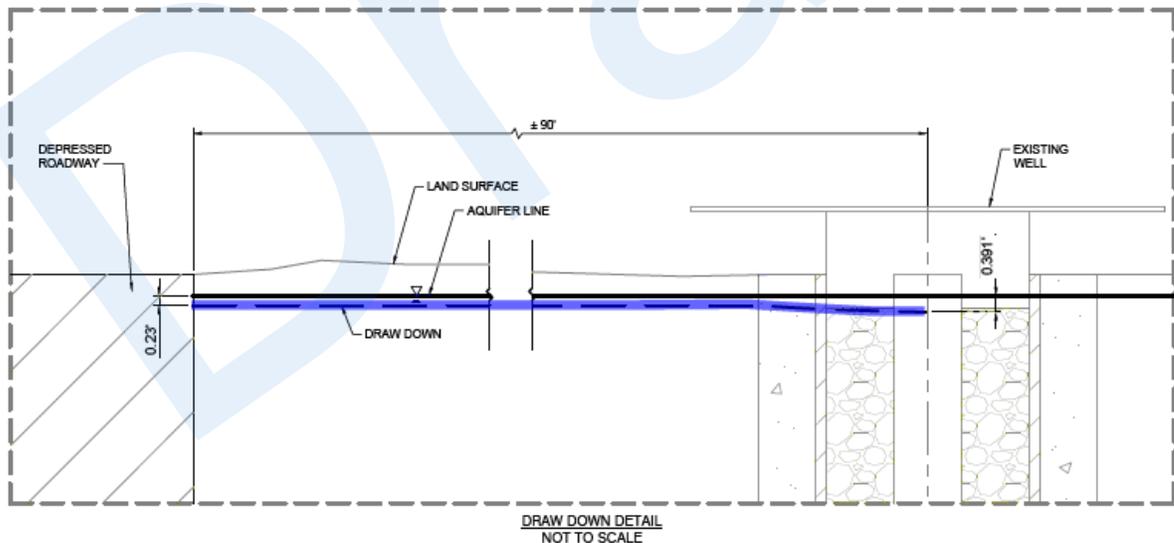
4. With regards to the nearby Floridan aquifer well FA-2, the intermediate confining unit between the surficial aquifer and underlying Floridan aquifer will preclude any hydraulic influence on the well.

Post-Construction Long-Term Effects

Kimley-Horn does not anticipate any long-term effects on the nearby public supply wells as a result of the depressed roadway section. This is based on the following:

1. The primary production zone for the two Biscayne aquifer wells (WW-22 and WW-23) is between approximately 100 to 200 feet bls, which is 60 to 160 feet below the base of the depressed roadway section. As such, the completed depressed roadway will not physically interfere with the production zone of the well.
2. The Biscayne aquifer is highly transmissive in the vicinity of SW 10th Street. Ground water modeling performed by CDM Smith for the City of Deerfield Beach’s Water Use Permit demonstrated that the depressed roadway is within the 0.1-foot drawdown contour for WW-22 and WW-23 (**Figure 3**). The limited amount of drawdown predicted to occur in the surficial aquifer suggests that the depressed roadway will have little to no effect on the two wells.

**FIGURE 3
DRAWDOWN CROSS-SECTION**



3. The depressed roadway section and wells WW-22 and WW-23 are located within the Northern Broward County Recharge System (NBCRS). The system is a diversion and impoundment project consisting of several canals that capture rainfall and runoff to maintain water levels in the surficial aquifer and recharge wetlands. The NBCRS will regionally maintain water levels in the surficial aquifer including within the areas of WW-22, WW-23 and the depressed roadway.

Furthermore, the two wells are located immediately adjacent to the C-2 canal, which maximize the amount of recharge to the aquifer.

4. Construction of the depressed roadway will include the use of sealed sheet piling and tremie seals. These controls will effectively seal each construction cell and preclude depressed roadway from acting as a conduit for the introduction and downward migration of contaminants into the aquifer.
5. Regarding the nearby Floridan aquifer well FA-2, the intermediate confining unit between the surficial aquifer and underlying Floridan aquifer will preclude any hydraulic influence on the well.

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