CONTRACT PLANS

FINANCIAL PROJECT ID 439682-4-52-01

SEMINOLE COUNTY (77160)

EE WILLIAMSON RD. BRIDGE REPLACEMENT OVER STATE ROAD NO. 400 (I-4)
FROM SUNSHINE TREE BLVD.
TO EAST OF PENELlope DR.

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   21. PROJECT NETWORK CONTROL

DEVELOPMENTAL STANDARD PLANS:

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2018-19 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

APPLICABLE IRs: N/A

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2018 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/implemented/SpecBooks

THIS PROJECT TO BE LET TO CONTRACT WITH CONTRACT ID NO. 439682-2-52-04, 439682-3-52-04, 439682-5-52-04

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

ROADWAY PLANS
ENGINEER OF RECORD:

JOSEPH ROSELLI, P.E.
P.E. NO. 12227
HORIZON ENGINEERING GROUP, INC.
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Maitland, FL 32751
Phone: 407-644-7755
Fax: 407-644-7855
Contract No.: C9U03
Vendor No.: 43-1994849
Certificate of Authorization No.: 0009544

FDOT PROJECT MANAGER:

HATEM AQUIB, PE

HORIZON ENGINEERING GROUP, INC.
P.E. NO.: 72227
7/16/2018

PHASE II PLANS

7/16/2018
NOTES TO REVIEWER

1) There are two pipes located near station 26+00 (RT) a 24" pipe crossing under EE Williamson Rd. and a 30" pipe which heads west and then north in the 1-4 right of way. Because of the need to accommodate a future planter adjacent to the MSE walls for the aesthetics of the I-4 beyond the ultimate project, the MSE wall footer will need to be lowered such that it will be in conflict with the existing 24" pipe under EE Williamson. Both the 24" cross drain and the 30" pipe system have been conceptually designed, as part of the I-4 beyond the ultimate project, to be replaced with a single 36" pipe. The analysis of this pipe replacement was not included in the scope of this project. Therefore, discussions with FDOT are ongoing as to the approach to take for this submittal. No work is being shown on these pipes, however, this will be resolved for the Phase III submittal.

2) Survey for this project was provided by foot from the I-4 beyond the ultimate project. The limits of this survey fall short of the total project length. Coordination with the Department is ongoing to obtain survey for the first 300 ft and the last 300 ft of the project. As such, old plans were utilized to estimate pipe inverts at the storm sewer tie in near station 15+40 (RT) (EX-2). Additionally, minimum gutter grades have been assumed and inlet elevations estimated for the inlet near station 23+50 (LT) (I-16). As such, no drainage structure cross sections have been included in the plans for these structures. It is anticipated that this survey will be received and design completed in these areas in the Phase III submittal.

3) The horizontal alignment does not meet current criteria for length of curve. Our design has extended the length of these curves to a maximum length without requiring additional ROW. This variation will be provided at a later date once further coordination has been done with FDOT and Seminole County.

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

NOTES TO REVIEWER
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44 - 50  DRAINAGE CONTROL PLANS
51 - 60  UTILITY ADJUSTMENT SHEETS

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.062, F.A.C.

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

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G16-2.005, F.A.C.

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CURRENT YEAR = 2018 AADT = 12,600
ESTIMATED OPENING YEAR = 2020 AADT = 13,000
ESTIMATED DESIGN YEAR = 2040 AADT = 13,000
K = 9.0%  D = 52.10%  T = 3.6% (24 HOUR)
DESIGN HOUR T = EEW
POSTED SPEED = 35 MPH

POSTED SPEED = 35 MPH

EXISTING TRAVEL LANES

MILL EXISTING ASPHALT (1 1/2")
AND FRICTION COURSE FC-12.5 (1 1/2") (PG 76-22)

WIDENING

OPTIONAL BASE GROUP B WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2") (PG 76-22)
AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

TYPICAL SECTION

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
HORIZON ENGINEERING GROUP, INC.
3903 Maitland Center Pkwy, Suite B
Maitland, Florida 32753
Phone: 407-644-7755
Certificate of Authorization No. 00009544
JOSEPH ROSELLI, P.E. NO. 72227

MOUNT NO.
COUNTY
FINANCIAL PROJECT ID
SEMINOLE
439602-4.52-01

SHEET NO.
8
EE WILLIAMSON RD.
STA. 18+25.00 TO STA. 21+71.96
STA. 25+35.42 TO STA. 28+50.00

TRAFFIC DATA

CURRENT YEAR = 2018 AADT = 12,600
ESTIMATED OPENING YEAR = 2020 AADT = 13,000
ESTIMATED DESIGN YEAR = 2040 AADT = 15,000
K = 9.0%  D = 53.10%  T = 3.6% (24 HOUR)
DESIGN HOUR T = 60%
DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH

TRAVEL AND BIKE LANES

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2") (PG 76-22)
AND FRICTION COURSE FC-12S (TRAFFIC C) (1 1/2") (PG 76-22)

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**SUMMARY OF DRAINAGE STRUCTURES**

**State of Florida**

**Department of Transportation**

**Horizon Engineering Group, Inc.**

2603 Hanford Center Plaza, Suite B
Maitland, Florida 32751
Phone: 407-644-7755
Certificate of Authorization No.: 00009544
Lisa M. H. Olivera, P.E. No. 56056

**Maitland, Florida 32751**

**Type II, 1 Barrel**

**Quantity**

- **P-15**
  - **30+90.00**
  - **LT. INLET**
  - **19'**
  - **P-7**
  - **18'**
  - **C&G**
  - **<10'**
  - **MODIFY**
  - **<10'**
  - **18'**
  - **24'**
  - **EA**

- **P-16**
  - **32+42.00**
  - **LT. INLET, PIPE**
  - **240**
  - **1**
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  - **0**
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**Remarks**

- **Type II, 1 Barrel**

**Date: 7/16/2018**
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<td>19 x 30</td>
<td>RCP - Class HE I</td>
<td>X</td>
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**Horizon Engineering Group, Inc.**

Maitland, Florida 32751

Phone: 407-644-7755

Certificate of Authorization No.: 00009544

Lisa M. H. Olivera, P.E. No. 56056
GENERAL NOTES

1. BENCHMARK DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).

2. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED.

3. SPECIAL EVENTS DAYS FOR THIS PROJECT:
   * UNIVERSITY OF CENTRAL FLORIDA HOME GAMES
   * RED HOT & BOOM FIREWORKS DISPLAY
   * DAYTONA BIKE WEEK
   * BIKE TOBERFEST

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

MUNICIPAL COUNTY FINANCIAL PROJECT NO.

MUNICIPAL COUNTY FINANCIAL PROJECT NO.
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
HORIZON ENGINEERING GROUP, INC.
2603 Harvard Center Plaza, Suite B
Winter Park, Florida 32789
Phone: 407-644-7755
Certificate of Authorization No.: 00009544
Joseph Roselli, P.E. No. 72227

ROADWAY PROFILE

STA 15+00.00
BEGIN CONSTRUCTION

STA 16+00.00
BEGIN SPECIAL DITCH (RT)

STA 18+00.00
END SPECIAL DITCH (RT)

ROADWAY NO.
FINANCIAL PROJECT ID
COUNTY
DATE
DESCRIPTION
REVISIONS
DATE
DESCRIPTION

19

131400
141400
151500
161600
171700
181800
191900
65
70
75
80
85
90
95
100
105
110

1" = 50' HORIZONTAL
1" = 5' VERTICAL

SCALE

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

7/16/2018
jaschneeberger
X:\1050817_06_EEWilliamson\43968245201\roadway\PROFRD01.DGN
1:51:14 PM
439682-4-52-01
SEMINOLE
ROAD NO.
COUNTY
FINANCIAL PROJECT ID

Sheet No.
19
NOTE:
The station location and offset called out for all curb and gutter barrier wall inlets reference the centerline of structure. The elevation called out on all curb and gutter barrier wall inlets reference the edge of pavement.

The station location and offset called out for all curb inlets reference the location reference in the standard plans. The elevation called out on all curb inlets reference the edge of pavement.

The station location and offset called out for all closed flume inlets reference the location reference in the standard plans. The elevation called out on closed flume inlets reference the edge of pavement.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
439682-4-52-01
COUNTY: SEMINOLE
FINANCIAL PROJECT ID: 439682-4-52-01
HORIZON ENGINEERING GROUP, INC.
3603 Maitland Center Pkwy., Suite B
Maitland, Florida 32751
Phone: 407-644-7755
Certificate of Authorization No. 00009554
LISA M. H. OLIVERA, P.E. NO. 56056

DRAINAGE STRUCTURE
CROSS SECTIONS

SCALE: 1" = 20' Vertical
1" = 40' Horizontal

REFERENCE THE ELEVATION CALLED OUT ON CLOSED FLUME INLETS REFERENCE THE LOCATION REFERENCE IN THE STANDARD PLANS. THE ELEVATION CALLED OUT ON CLOSED FLUME INLETS REFERENCE THE EDGE OF PAVEMENT.

REFERENCE THE LOCATION REFERENCE IN THE STANDARD PLANS. THE ELEVATION CALLED OUT ON ALL CURB INLETS REFERENCE THE EDGE OF PAVEMENT.

REFERENCE THE STATION LOCATION AND OFFSET CALLED OUT FOR ALL CURB AND GUTTER BARRIER WALL INLETS REFERENCE THE CENTERLINE OF STRUCTURE. THE ELEVATION CALLED OUT ON ALL CURB AND GUTTER BARRIER WALL INLETS REFERENCE THE EDGE OF PAVEMENT.

REFERENCE THE EDGE OF PAVEMENT.

REFERENCE THE EDGE OF PAVEMENT.

REFERENCE THE EDGE OF PAVEMENT.

REFERENCE THE ELEVATION CALLED OUT ON CLOSED FLUME INLETS REFERENCE THE LOCATION REFERENCE IN THE STANDARD PLANS. THE ELEVATION CALLED OUT ON CLOSED FLUME INLETS REFERENCE THE EDGE OF PAVEMENT.

REFERENCE THE STATION LOCATION AND OFFSET CALLED OUT FOR ALL CURB INLETS REFERENCE THE LOCATION REFERENCE IN THE STANDARD PLANS. THE ELEVATION CALLED OUT ON ALL CURB INLETS REFERENCE THE EDGE OF PAVEMENT.

REFERENCE THE STATION LOCATION AND OFFSET CALLED OUT FOR ALL CURB AND GUTTER BARRIER WALL INLETS REFERENCE THE CENTERLINE OF STRUCTURE. THE ELEVATION CALLED OUT ON ALL CURB AND GUTTER BARRIER WALL INLETS REFERENCE THE EDGE OF PAVEMENT.

REFERENCE THE EDGE OF PAVEMENT.

REFERENCE THE EDGE OF PAVEMENT.
DRAINAGE STRUCTURE S-14

STA 30+00.00 (RIGHT)

NOT TO SCALE

19" X 30" PIPE

ELEV. 82.22

19" X 30" PIPE

ELEV. 82.40

DBI-C GRATE ELEV. 85.67

J-BOTTOM (4X7)

0.97'

0.97'

EX-23

EX-18

FROM

TO

39.00'

7.0'

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Certificate of Authorization No.: 00009544
LISA H. OLIVERA, P.E. NO. 56056

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

COUNTY
SEMINOLE

FINANCIAL PROJECT
439602-4.52-01
**STATE OF FLORIDA**  
**DEPARTMENT OF TRANSPORTATION**  
**MATERIALS AND RESEARCH**

**FINANCIAL PROJECT ID**: 439682-4-52-01  
**PROJECT NAME**: E.E. WILLIAMSON BRIDGE REPLACEMENT OVER S.R. 400 (I-4)

**CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS**

**DATE OF SURVEY**: FEBRUARY 2018 TO JULY 2018  
**SURVEY MADE BY**: TIERRA, INC.  
**SUBMITTED BY**: MUSTAPHA A. ABBOUD, P.E.

**REFERENCE**: CENTERLINE CONSTRUCTION E.E. WILLIAMSON

---

<table>
<thead>
<tr>
<th>STRATUM NO.</th>
<th>CONTENT</th>
<th>MOISTURE CONTENT</th>
<th>SIEVE ANALYSIS RESULTS</th>
<th>LIQUID LIMIT</th>
<th>PLASTIC LIMIT</th>
<th>AASHTO GROUP</th>
<th>DESCRIPTION</th>
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<tr>
<td>1</td>
<td>--</td>
<td>--</td>
<td>13 100 93.95 69.78 25.36 4.44</td>
<td>--</td>
<td>--</td>
<td>A-3/A-2-4</td>
<td>LIGHT BROWN TO GRAY SAND TO SAND WITH SILT TO SILTY SAND</td>
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</table>

**NOTES:**

1. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY SUBSOIL CONNECTING LINES SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4. FOR FURTHER DETAILS SEE SECTION 120-3.

2. GROUNDWATER LEVEL AS SHOWN AS **"GNE"**. GROUNDWATER NOT ENCOUNTERED SHOWN AS "GNE".

3. SOIL ANALYSIS INCLUDES DATA FROM ROADWAY AREA.

4. THE SYMBOL "--" REPRESENTS AN UNMEASURED PARAMETER.

5. STRATUM 1 SHALL BE TREATED AS SELECT (S) IN ACCORDANCE WITH STANDARD PLANS. INDEX 120-001.
CROSS SECTIONS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
HORIZON ENGINEERING GROUP, INC.
9631 Maitland Center Pky., Suite B
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Certificate of Authorization No. 00009544
JOSEPH ROSELLI, P.E. NO. 72227

ROAD NO. COUNTY FINANCIAL PROJECT NO. SEMINOLE 439682-4-52-01

SHEET NO. 28

DATE DESCRIPTION DATE DESCRIPTION

87.25 87.53 87.00 1 87.82 87.06 0 87 89 85 87 89 87 87 87 STA. 15+00.00 BEGIN PROJECT
STA. 15+29.00 BEGIN EARTHWORK

TAKEN @ STA. 16+06.00

TAKEN @ STA. 16+59.00

87.25 87.53 87.00 1 87.82 87.06 0 87 89 85 87 89 87 87 87 STA. 15+00.00 BEGIN PROJECT
STA. 15+29.00 BEGIN EARTHWORK

TAKEN @ STA. 16+06.00

TAKEN @ STA. 16+59.00

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TAKEN @ STA. 16+06.00

TAKEN @ STA. 16+59.00
JOSEPH ROSELLI, P.E. No. 72227
Certificate of Authorization No.: 00009544
Phone: 407-644-7755
Maitland, Florida 32751
2603 Maitland Center Pkwy., Suite B
HORIZON ENGINEERING GROUP, INC.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
COUNTY
FINANCIAL PROJECT #439682-4-52-01

CROSS SECTIONS

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.
A) NATURE OF CONSTRUCTION ACTIVITY:
The proposed project is the replacement, reconstruction, and resurfacing of E.E. Williamson Bridge over SR-40 from Suntary Trail East of Pensacola or the construction limits extend from STA. 15+00.00 to STA. 32+50.00. The project length is approximately 0.33 miles.

B) SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:
The following sequence of major activities shall be followed unless the contractor can propose an alternative that is equal or better at controlling erosion and sediment, and is approved by the engineer. The proposed sequencing shall be:

1. INSTALL ALL EROSION AND SEDIMENT CONTROLS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. ADJUSTMENTS OF UNDERGROUND UTILITIES AFFECTED BY THIS PROJECT.
3. CLEARING AND GRABBING, EARTHWORK, AND ROADWAY MILLING AND RESURFACING.

The contractor is responsible for providing a detailed sequence of construction for all construction activities. In the section 104 - Erosion Control Plan.

C) AREA ESTIMATES:
TOTAL SITE AREA: 3.76 AC
TOTAL AREA TO BE DISTURBED: 2.04 AC

D) RUNOFF DATA:
RUNOFF COEFFICIENTS:
BEFORE: 0.56
AFTER: 0.70

* SOIL DATA:
SOIL INFORMATION WAS OBTAINED FROM THE MDCS SOIL SURVEY FOR SEMINOLE COUNTY, FL, WHICH LISTED TWO DIFFERENT SOIL TYPES (201) IN THE PROJECT AREA AND NO SOIL BEING MOST PRAVANT. IN GENERAL, THE PROJECT IS DOMINATED BY WELL DRAINED.

THE TWO TYPES OF SOILS ARE:
- ALTALPA-PAPPA FINE SANDS
- URBAN LAND

- URBAN LAND
  - DRAINAGE:
    - THE WEST SIDE DRAINS SOUTH WEST CORNER OF THE PROJECT INTO AN EXISTING DRAINAGE SYSTEM, WHICH IS CONNECTED TO A DRAINAGE DITCH THROUGH THE INTERSTATE.
    - THE EXISTING ROADWAY WILL BE MILLED AND RESURFACED FROM STA. 15+00.00 TO STA. 18+25.00 AND FROM 28+50.00 TO END OF THE PROJECT AND WILL THEREFORE NOT BE DISTURBED.

* APPROXIMATE SLOPES:
- THE AREAS TO BE DISTURBED ARE SHOWN ON THE TYPICAL SECTIONS, DRAINAGE STRUCTURE CROSS SECTIONS, AND THE ROADWAY CROSS SECTIONS.
- AREAS OF SOIL DISTURBANCE:
- THE AREAS TO BE DISTURBED ARE SHOWN ON THE TYPICAL SECTIONS, DRAINAGE STRUCTURE CROSS SECTIONS, AND ROADWAY PLAN SHEETS.
- AREAS NOT TO BE DISTURBED:
- THE EXISTING ROADWAY WILL BE MILLED AND RESURFACED FROM STA. 15+00.00 TO STA. 18+25.00 AND FROM 28+50.00 TO END OF THE PROJECT AND WILL THEREFORE NOT CONTRIBUTE TO THE DISTURBED AREA FOR THIS PROJECT.

- LOCATIONS OF CONTROLS:
- THE TEMPORARY CONTROLS ARE SHOWN ON THE TEMPORARY TRAFFIC CONTROL PLANS. THE FILL SLOPES ARE TO BE EROSION CONTROLLED ACCORDING TO THE TYPICAL SECTIONS.
- AREAS TO BE STABILIZED:
- THE AREAS OF WILLIAMSON AS WELL AS THE SIDE STREETS WILL BE PERMANENTLY STABILIZED WITH ASPHALT. ALL OTHER DISTURBED AREAS WILL BE PERMANENTLY STABILIZED WITH SOIL THAT IS USED. THESE AREAS ARE SHOWN ON THE TYPICAL SECTIONS AND ROADWAY PLAN SHEETS.
- SURFACE WATERS AND WETLANDS WITHIN THE SITE:
  - THERE ARE NO WETLANDS OR SURFACE WATERS WITHIN THE PROJECT LIMITS.
- PERMANENT MEASURES:
  - CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

E) CONTRACTOR RESPONSIBILITIES:
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING MEASURES:
  - * DEVELOPING A DETAILED EROSION AND SEDIMENT CONTROL PLAN. THE PLAN WILL INCLUDE:
    1. PROJECT SCHEDULE WITH EROSION AND SEDIMENT CONTROL INSTALLATIONS AND MAINTENANCE.
    2. ALTERNATIONS TO THE DESIGN EROSION AND SEDIMENT CONTROLS DUE TO DIFFERENCES BETWEEN THE FDOT'S DESIGN PLANS AND ANTICIPATED CONSTRUCTION PHASING AND THE CONTRACTOR'S CONSTRUCTION METHODS AND PHASING.
    3. NAME AND PHONE NUMBER OF CONTRACTOR'S REPRESENTATIVE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE ON A 24-HOUR BASIS.
  - * EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL DEVICES WILL BE EROSION CONTROL DEVICES MENTIONED IN THE CONTRACT DRAWINGS.
  - * STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON Disturbed AREAS AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
  - * PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER FINAL GRADING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:
    1. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT PROTECTION IS INSTALLED IN PLACE AND ESTABLISHED.
  - THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND SUBSEQUENTLY REMOVE ANY NECESSARY EROSION CONTROL AND ANY OTHER MISCELLANEOUS ITEMS AS INDICATED WITHIN THE CONTRACT DOCUMENTS, OR AS REQUIRED PER APPLICABLE STANDARDS OR THE ENGINEER.
  - THE CONTRACTOR IS ADVISED THAT EROSION AND SEDIMENT CONTROLS SHALL BE CONSTRUCTED AS REQUIRED BY THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ADDITION, THE CONTRACTOR IS REQUIRED TO PROVIDE ANY ADDITIONAL CONTROLS NEEDED TO PREVENT THE POSSIBILITY OF SITTING ANY TEMPORARY CONTROLS IN PLACE OR RECEIVING WATER AND TO UPDATE THE SWPPP TO REFLECT THESE CHANGES.

1) STABILIZATION PRACTICES:
   - **TEMPORARY:** Turfing in Accordance with Specification Section 104-6 Permanent
   - **PERFORMANCE TURF (SOD):** Turfing in Accordance with Specification Section 104-6:1h
   - **CONCRETE DITCH PATCHING:**
   - **ASPHALT:**

   **STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP.

2) STRUCTURAL PRACTICES:
   - **TEMPORARY:** Sediment Barrier in Accordance with Specification Section 104-6 Permanent
   - **INLET PROTECTION IN ACCORDANCE WITH SPECIFICATION SESSION 104-6:**

   **EXISTING ROADWAY DITCHES**
B. STORMWATER MANAGEMENT:

ALL STORMWATER WILL SURFACE FLOW OR BE COLLECTED BY PIPES OR DITCHES AND DISCHARGED TO A DEPRESSIONAL AREA I.A A MARKHAM WOODS CHURCH & CHRISTIAN ACADEMY ATHLETIC FIELDS ON THE WEST SIDE OF THE INTERSTATE AND INTO GRACE LAKE ON THE EAST SIDE OF THE INTERSTATE. THESE TWO AREAS ARE CONNECTED BY A 48-INCH EQUALIZER PIPE CROSSING THE INTERSTATE.

C) OTHER CONTROLS:

1. WASTE DISPOSAL:
   THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

2. OFF SITE VEHICLE TRACKING:
   THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

3. STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS:
   THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

4. FERTILIZERS AND PESTICIDES:
   THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

5. NON-STORMWATER DISCHARGES AND HAZARDOUS WASTE:
   WHEN THE CONTRACTOR ENCOUNTERS A SPILL, CONSTRUCTION WILL STOP AND WORK WILL NOT RESUME UNTIL DIRECTED BY THE ENGINEER. DISPOSITION OF HAZARDOUS WASTE WILL BE MADE IN ACCORDANCE WITH ANY REQUIREMENTS AND REGULATIONS OF ANY LOCAL, STATE, OR FEDERAL AGENCY HAVING JURISDICTION.

D) FEDERAL, STATE, AND LOCAL PLANS AND PERMITS:

AS DESIGN PROGRESSES A GENERAL PERMIT FOR BRIDGE REPLACEMENT FROM SURMD WILL BE OBTAINED.

THE NPDES PERMIT (TO BE OBTAINED BY THE CONTRACTOR) IS REQUIRED FOR THIS PROJECT.

1. MAINTENANCE:
   THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL POLLUTION PREVENTION CONTROLS. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF EROSION, SEDIMENTATION, TURBIDITY, AND POLLUTION CONTROL MEASURES. REMEDIAL ACTION SHALL BE PERFORMED IMMEDIATELY.

2. OFF-SITE VEHICLE TRACKING:
   THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

3. STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS:
   THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

4. FERTILIZERS AND PESTICIDES:
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**ITEM** MAINTENANCE PROP. REPL. INTERVAL

**SEASON 104**

**EFFECTIVENESS OF EROSION, SEDIMENTATION, TURBIDITY, AND POLLUTION CONTROL MEASURES. REMEDIAL ACTION SHALL BE PERFORMED IMMEDIATELY.**

**THIS TABLE IDENTIFIES MAINTENANCE GUIDELINES FOR THE CONTROLS USED ON THIS PROJECT THROUGH AS INSPECTIONS ARE CONDUCTED, EARLIER REPLACEMENT MAY BE NECESSARY AS INSTRUCTED BY THE FIELD ENGINEER.**

**ITEM** MAINTENANCE PROP. REPL. INTERVAL

**SEASON 104**

**EFFECTIVENESS OF EROSION, SEDIMENTATION, TURBIDITY, AND POLLUTION CONTROL MEASURES. REMEDIAL ACTION SHALL BE PERFORMED IMMEDIATELY.**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE CONTROLS, WITH THE WEEKLY INSPECTION REPORTS TO THE ENGINEER.

5. NON-STORMWATER DISCHARGES:

THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES) AND DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION FROM THESE DISCHARGES IN THE SECTION 104 EROSION CONTROL PLAN. THE DISTRICT CONSTRUCTION IMPACT COORDINATOR SHOULD BE CONTACTED AT (386)-943-5411 IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED. ANY DEMANDING ACTIVITIES MAY REQUIRE THE FDOT GENERAL CONSTRUCTION Dewatering PERMIT. IF OFF-SITE Dewatering OCCURS OR IS REQUIRED, THE CONTRACTOR WILL BE REQUIRED TO OBTAIN THE FDEP GENERIC PERMIT FOR THE Dewatering OF PRODUCED GROUNDWATER FROM ANY NON CONTAMINATED SITE ACTIVITY (DOCUMENT NO. 62-621.30025) AND ADHERE TO THE NECESSARY PERMITTING REQUIREMENTS.

THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES) AND DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION FROM THESE DISCHARGES IN THE SECTION 104 EROSION CONTROL PLAN. THE DISTRICT CONSTRUCTION IMPACT COORDINATOR SHOULD BE CONTACTED AT (386)-943-5411 IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED. ANY Dewatering ACTIVITIES MAY REQUIRE THE FDOT GENERAL CONSTRUCTION Dewatering PERMIT. IF OFF-SITE Dewatering OCCURS OR IS REQUIRED, THE CONTRACTOR WILL BE REQUIRED TO OBTAIN THE FDEP GENERIC PERMIT FOR THE Dewatering OF PRODUCED GROUNDWATER FROM ANY NON CONTAMINATED SITE ACTIVITY (DOCUMENT NO. 62-621.30025) AND ADHERE TO THE NECESSARY PERMITTING REQUIREMENTS.
**TTCP NOTES**

1. Maintain the existing posted speed limit on EE Williamson Road for all phases of work.
2. Notify the Engineer a minimum of 7 days in advance of any lane closures.
3. Lane closures may only be used during active work periods.
4. Lane closures for this project are allowed during the following times:

<table>
<thead>
<tr>
<th>Day</th>
<th>Eastbound Single Lane</th>
<th>Eastbound Double Lane</th>
<th>Westbound Single Lane</th>
<th>Westbound Double Lane</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weekday</td>
<td>7:00A - 5:00P</td>
<td>5:00P - 11:00P</td>
<td>7:00A - 5:00P</td>
<td>5:00P - 11:00P</td>
</tr>
<tr>
<td>Fri Noon</td>
<td>5:00P - 11:00P</td>
<td>7:00A - 5:00P</td>
<td>5:00P - 11:00P</td>
<td>7:00A - 5:00P</td>
</tr>
<tr>
<td>Sat Noon</td>
<td>11:00A - 7:00A</td>
<td>7:00A - 5:00P</td>
<td>5:00P - 11:00P</td>
<td>7:00A - 5:00P</td>
</tr>
<tr>
<td>Sun Noon</td>
<td>7:00A - 11:00A</td>
<td>5:00P - 11:00P</td>
<td>7:00A - 5:00P</td>
<td>11:00A - 7:00A</td>
</tr>
</tbody>
</table>

5. Construction of this project will require close coordination with adjacent projects. Closely coordinate with these projects to ensure the compatibility of construction staging and traffic patterns between adjacent projects. Any adjustments in TTC or staging of construction resulting from this coordination will be considered incidental to the unit price for maintenance of traffic at no additional compensation.

6. At all times during the phase construction, maintain safe pedestrian access to existing sidewalks and ensuring that a safe and unobstructed route exists for pedestrians.

**PHASING NOTES**

**Phase 1**

1. Install project information signs, temporary traffic control signs, and erosion control devices.
2. Prepare work zone channelizing devices based on Phase 1A plans and typical section.
3. Construct the eastbound outside travel lane and auxiliary lane.

**Phase 1A**

1. Maintain temporary traffic control signs and erosion control.
2. Install work zone channelizing devices based on Phase 1A plans and typical section.
3. Construct center auxiliary lane as shown in the Phase 1A plans.

**Phase 2**

1. Maintain temporary traffic control signs and erosion control.
2. Install work zone channelizing devices based on Phase 2 plans and typical section.
3. Widen the westbound outside travel lane.

**Phase 3**

1. Mill and resurface travel and auxiliary lanes and side streets, apply friction course.
2. Remove temporary traffic control signs and erosion control.

**PORTABLE CHANGEABLE MESSAGE SIGN**

<table>
<thead>
<tr>
<th>Day</th>
<th>Work Zone</th>
<th>Eastbound Single Lane</th>
<th>Eastbound Double Lane</th>
<th>Westbound Single Lane</th>
<th>Westbound Double Lane</th>
</tr>
</thead>
<tbody>
<tr>
<td>Begin</td>
<td>9:00A</td>
<td>7:00A - 5:00P</td>
<td>5:00P - 11:00P</td>
<td>7:00A - 5:00P</td>
<td>5:00P - 11:00P</td>
</tr>
<tr>
<td>End</td>
<td>5:00P</td>
<td>11:00A - 7:00A</td>
<td>7:00A - 5:00P</td>
<td>11:00A - 7:00A</td>
<td>7:00A - 5:00P</td>
</tr>
<tr>
<td>Prepare</td>
<td>11:00A</td>
<td>7:00A - 5:00P</td>
<td>5:00P - 11:00P</td>
<td>7:00A - 5:00P</td>
<td>5:00P - 11:00P</td>
</tr>
<tr>
<td>Stop</td>
<td>7:00A</td>
<td>5:00P - 11:00P</td>
<td>7:00A - 5:00P</td>
<td>11:00A - 7:00A</td>
<td>7:00A - 5:00P</td>
</tr>
</tbody>
</table>

**EE WILLIAMSON TYPICAL SECTION - PHASE 1**

**EE WILLIAMSON TYPICAL SECTION - PHASE 1A**

**EE WILLIAMSON TYPICAL SECTION - PHASE 2**

**I-4 TYPICAL SECTION - ALL PHASES**

*See structures plans for bridge M.T. phasing*
GENERAL NOTES

1. The locations of the utilities shown in the plans (including those designated Vv, VH, and VVH) are based on limited investigation techniques and should be considered approximate only. The verified locations/elevations apply only at the points shown. Interpolations between these points have not been verified.

2. Utility/Agency Owners:
   - AT&T FLORIDA
     - Kirby Smith: (386) 366-4588
   - DUKE ENERGY FIBER
     - Mark Hurst: (727) 820-5208
   - CENTURYLINK
     - Marlon Brown: (863) 452-3132
   - SEMINOLE COUNTY ENVIRONMENTAL SERVICES W/S
     - Tony McCormick: (407) 420-2678
   - CENTURYLINK COMMUNICATIONS LLC
     - Robert Godek: (407) 830-3421
   - UTILITIES INC.
     - Nate Carver: (321) 972-0353
   - CHARTER COMMUNICATIONS
     - Marvin Usry: (407) 532-4590
   - DUKE ENERGY DISTRIBUTION
     - Robb Brown: (352) 459-4671
   - DUKE ENERGY TRANSMISSION
     - Jennifer Williams: (813) 909-1210
   - AT&T FLORIDA
     - Tony McCormick: (863) 452-3132
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     - Jennifer Williams: (813) 909-1210

3. All staking of proposed construction to allow for proper installation/relocation of utility facilities, as indicated on the utility work schedule, shall be performed. Coordinate with the impacted utilities and stake the items requested. This staking shall be separate and in addition to the normal staking for the project. The cost of this staking shall be incidental to and included in the cost of the project.

4. Remove buried out of service utility lines within the limits of all excavation. The cost of this work shall be incidental to and included in the cost of the work being performed when the lines are encountered.

5. Existing utilities are to remain in place unless otherwise noted.
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

UTILITY ADJUSTMENT

HORIZON ENGINEERING GROUP, INC.
903 Mallard Center Plaza, Suite B
Maitland, Florida 32753
Phone: 407-644-7755
Certificate of Authorization No. 00009544
Joseph Roselli, P.E. No. 72227

DATE DESCRIPTION
20/21 PT
TS STA. 25+35.42 END APPROACH SLAB S-4
STA. 25+03.94 BEGIN APPROACH SLAB END BRIDGE
STA. 22+03.44 BEGIN BRIDGE END APPROACH SLAB
STA. 27+00.00 MATCH LINE STA 27+00.00

DATE DESCRIPTION
7/16/2018

SHEET NO.
61