GOVERNING STANDARDS AND SPECIFICATIONS:
Florida Department of Transportation, 2016 Design Standards and revised Index Drawings as appended herein, and 2016 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.
For Design Standards click on the "Design Standards" link at the following web site:
http://www.dot.state.fl.us/rddesign/
Design Standards
For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:
http://www.dot.state.fl.us/specificationsoffice/
Standard Specifications

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.
GENERAL NOTES

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES, AND MARK-UPS FROM UTILITY OWNERS. ALL UTILITIES SHOULD BE CONSIDERED APPROXIMATE ONLY.

2. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS LISTED THROUGH SUNSHINE STATE ONE CALL OF FLORIDA (811) TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.

3. FIBER OPTIC AND POWER PULL BOXES AND CONDUIT SHALL BE LOCATED WITHIN 100 FEET OF THE DEVICE THEY SUPPLY. ITS DEVICE LOCATIONS ARE APPROXIMATE AND MAY REQUIRE RELOCATION IF THE PROJECT ENGINEER OR CONTRACTOR RECOMMENDS A DIFFERENT LOCATION FOR ANY REASON. ALL PULL BOXES AND CONDUIT SUPPORTING THAT DEVICE SHALL BE LOCATED AND/OR EXTENDED.

4. INSTALL FIBER OPTIC CONDUIT FOR COMMUNICATION TO DEVICES AS SHOWN IN THE PLANS AND IN ACCORDANCE WITH ALL FDOT STANDARDS FOR CONDUIT INSTALLATION.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ABOVE GROUND TUBULAR ROUTE MARKERS PER SECTION 630 OF THE FDOT STANDARD SPECIFICATIONS. MARKERS SHALL BE PLACED AT A MAXIMUM OF 500 FEET AND AT EVERY PULL AND SPLICE BOX. A MARKER LABEL TEMPLATE SHALL BE PROVIDED FOR REVIEW.

6. THE CONDUIT SHALL BE SEALED WITH THE SPECIFIED DUCT PLUG AT THE TIME OF CONDUIT INSTALLATION AND AFTER FINAL FIBER INSTALLATION.

7. ELECTRICAL POWER SERVICE METERS SHALL HAVE A SEPARATE BREAKER FOR EACH ITS CIRCUIT.

8. THE CONTRACTOR SHALL HAND DIG (SOFT DIG) TO A DEPTH OF FOUR (4) FEET WHERE UTILITIES ARE IN CONFLICT PRIOR TO USE OF A MECHANICAL AUGER. ANY POTENTIAL CONFLICTS SHALL BE REPORTED TO THE PROJECT ENGINEER IMMEDIATELY.

UTILITY OWNERS

AT&T Distribution
Dino Farruggio
561-997-0240
dfarruggio@att.com

AT&T
Greg Jacobson
407-249-4275
gjacobson@att.com

Brevard County
Roy Hawthorne
roy.hawthorne@brevardcounty.us

Bright House
Marvin Usry Jr
407-532-8509
marvin.usry@mybrighthouse.com

CenturyLink
Marlon Brown
407-830-3359
marlon.brown@centurylink.com

City of Altamonte Springs
Franklin Cabrera
407-571-8044
frcabrera@altamonte.org

City of Lake Mary
Tom Connolly/Daniel Koury
407-585-1412
dkoury@lakemaryfl.com

City of Palm Bay Utilities
Emanuel Odes
321-952-3410 X7010
emanuel.odes@palmbayflorida.org

City of Palm Coast Utility Dept
Chris Johnson
386-986-2354
cjohnson@palmcoastgov.com

Comcast Cable Communications Inc
Liam McKenna
904-380-7574
liam_mckenna@cable.comcast.com

Duke Energy
Sharon Dear
407-905-3321
sharon.dear@duke-energy.com

Florida Gas Transmission - FT PIERCE
Joseph Sanchez
321-243-4073
joseph.sanchez@energytransfer.com

Florida Power & Light - ST JOHNS/NASSAU
Tracy Stern
386-329-5152
tracy.stern@fpl.com

FPL FIBERNET
Danny Hackett
786-246-7827
Danny.Hackett@fpl.com

Hotwire Communication
Walter Sanchez-Davila
954-248-7366
walter.sanchez-davila@hotwirecommunication.com

Ontel
George McElvain
1801 California Street,
FL 926 Denver, CO 80202-2642
800-283-4237
george.mcelvain@ontel.com

Sanlando Utility Inc
Scott Kim
800-272-1919
sanlandou@uiwater.com

Seminole County
407-665-2021
kbechtelheimer@seminolecountyfl.gov

State of Florida (811) TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.

The contractor shall notify utility owners listed through Sunshine State One Call of Florida (811) two business days in advance of beginning construction on the job site. Utilities are considered approximate only.

The contractor shall be responsible for performing above ground tubular route markers per Section 630 of the FDOT standard specifications. Markers shall be placed at a maximum of 500 feet and at every pull and splice box. A marker label template shall be provided for review.

The conduit shall be sealed with the specified duct plug at the time of conduit installation and after final fiber installation.

Electrical power service meters shall have a separate breaker for each its circuit.

The contractor shall hand dig (soft dig) to a depth of four (4) feet where utilities are in conflict prior to use of a mechanical auger. Any potential conflicts shall be reported to the project engineer immediately.

The contractor shall notify utility owners listed through Sunshine State One Call of Florida (811) two business days in advance of beginning construction on the job site. Utilities are considered approximate only.

The conduit shall be sealed with the specified duct plug at the time of conduit installation and after final fiber installation.

Electrical power service meters shall have a separate breaker for each its circuit.

The contractor shall hand dig (soft dig) to a depth of four (4) feet where utilities are in conflict prior to use of a mechanical auger. Any potential conflicts shall be reported to the project engineer immediately.

The location(s) of the utilities shown in the plans are based on limited investigation techniques, and mark-ups from utility owners. All utilities should be considered approximate only.
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<th>DESCRIPTION</th>
<th>USER</th>
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**STATE OF FLORIDA**
**DEPARTMENT OF TRANSPORTATION**

**GUIDE SIGN WORKSHEET**

**NO. OF LIGHT FIXTURES**

**FIXTURE SPACING**

**PHOTOMETRIC CURVE**

**AVERAGE VOLTAGE**

**LENGTH**

**WIDTH**

**NUMBER OF LIGHT FIXTURES**

**FIXTURE SPACING**

**RADII**

**COLOR**

**LEGEND**

**DATE**

**DESCRIPTION**

**USER**

**DESCRIPTION**
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<td>FLAGLER</td>
<td>SOUTHBOUND MILE MARKER 286</td>
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<td>NORTHBOUND MILE MARKER 286</td>
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

TRUCK PARKING AVAILABILITY SYSTEM
FLAGLER COUNTY, FDOT DISTRICT 5
WEIGH STATION 50671 (33 SPACES)
NORTHBOUND MILE MARKER 286
SOUTHBOUND MILE MARKER 286

FINANCIAL PROJECT ID:
438096-152-01

SHEET
JT-01-1
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
TRUCK PARKING AVAILABILITY SYSTEM
BREVARD COUNTY, FOOT DISTRICT 5
REST AREA 50342 (34 SPACES)
SOUTHWIND MILE MARKER 227

ROAD NO.  1-95
COUNTY    BREVARD
FINANCIAL PROJECT NO.  438096-1-52-01

438096-1-52-01

DATE        NO. Description
8/1/2016      1    WATER SUPPLIED FROM THE BUILDING

120/240 VAC SINGLE PHASE POWER
1 POLE (SERVICE) - SPARES
1 POLE (SERVICE) - POWER
1 POLE (SERVICE) - 1-12 STRAND FOC
4-2" CONDUIT (OPEN TRENCH) - SPARES
4-2" CONDUIT (DIRECTIONAL BORE) - POWER
4-2" CONDUIT (OPEN TRENCH) - 1-12 STRAND FOC
PARCEL DERIVED R/W

IN THE EXISTING ITS CABINET
1 MEDIA CONVERTER
1 POLE
1 ACCESS POINT
1 NEMA 3R CLOSURE
1 DOME CCTV CAMERA (IP HD CAMERA)

EXISTING ITS INFRASTRUCTURE REFERENCE
1 MEDIA CONVERTER
1 POLE
1 ACCESS POINT
1 NEMA 3R CLOSURE
1 DOME CCTV CAMERA (IP HD CAMERA)

EXISTING ITS FIBER TRUNKLINE
1 MEDIA CONVERTER
1 POLE
1 ACCESS POINT
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**STATE OF FLORIDA**

**DEPARTMENT OF TRANSPORTATION**

**BREVARD COUNTY, FDOT DISTRICT 5**

**TPAS SIGN 50341**

**NORTHBOUND MILE MARKER 221.27**

**EXISTING ITS INFRASTRUCTURE REFERENCE**

- FPID 414719-1-52-01
- EXISTING ITS DEVICES
  - MVDS

**EXISTING ITS CABINET**

- Install new power and communication cables using existing conduit entering into cabinet
- Using existing conduit entering into cabinet

**EXISTING ELECTRICAL PULL BOX**

**EXISTING MEDIA CONVERTER**

**EXISTING ITS CABINET**

**EXISTING ITS CABINET**

- Intercept existing power pull box
- Intercept existing fiber splice vault
- Intercept existing fiber trunkline
- Power conduit with conductors (existing)
- Its power service (existing)
- Its power service (existing)
- Electrical pull box (existing)
- Fiber pull box (typ.)
- Fiber pull box (typ.)

**EXISTING ITS CABINET**

- Power pull box
- Fiber pull box
- Media converter
- Multi post static sign with embedded DMS
- Fiber pull box
- Power pull box

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
TRUCK PARKING AVAILABILITY SYSTEM
BREVARD COUNTY, FOOT DISTRICT 5
REST AREA 50382 (68 SPACES)
SOUTHBOUND MILE MARKER 169

ROAD NO. 1-95
COUNTY BREVARD
FINANCIAL PROJECT ID 438096-1-52-01

SUPPLIED FROM THE POWER SOURCE
120/240 VAC SINGLE PHASE POWER
- FPID 414719-1-52-01
EXISTING ITS INFRASTRUCTURE REFERENCE
1 FIBER PULL BOX
1 POWER PULL BOX
3 MEDIA CONVERTER
1 POLE (MOUNTING HEIGHT 50')
1 TYPE 336S ITS FIELD CABINET NEMA 3R
1 REPEATER
1 ACCESS POINT
1 DOME CCTV CAMERA (IP HD CAMERA)

ITS FIBER TRUNKLINE (EXISTING)
POWER CONDUIT WITH CONDUCTORS (EXISTING)
ELECTRICAL PULL BOX (TYP.) (EXISTING)

EXISTING ITS INFRASTRUCTURE REFERENCE
1 FIBER PULL BOX
1 POWER PULL BOX
3 MEDIA CONVERTER
1 POLE (MOUNTING HEIGHT 50')
1 TYPE 336S ITS FIELD CABINET NEMA 3R
1 REPEATER
1 ACCESS POINT
1 DOME CCTV CAMERA (IP HD CAMERA)

ITS FIBER TRUNKLINE (EXISTING)
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ELECTRICAL PULL BOX (TYP.) (EXISTING)

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1 POWER PULL BOX
3 MEDIA CONVERTER
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1 TYPE 336S ITS FIELD CABINET NEMA 3R
1 REPEATER
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1 DOME CCTV CAMERA (IP HD CAMERA)

ITS FIBER TRUNKLINE (EXISTING)
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ELECTRICAL PULL BOX (TYP.) (EXISTING)
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<td>SOUTHBOUND MILE MARKER 173.72</td>
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<tr>
<th>FINANCIAL PROJECT NO.</th>
<th>TRUCK PARKING AVAILABILITY SYSTEM</th>
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<td>438096-1-52-01</td>
<td>BREVARD COUNTY, FDOT DISTRICT 5</td>
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<td>NORTHBOUND MILE MARKER 165.15</td>
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<td>1 MEDIA CONVERTER</td>
<td>IT-05A</td>
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**State of Florida Department of Transportation**

**Truck Parking Availability System**

**Brevard County, FDOT District 5**

**Truck Parking Availability Sign with 3-Digit Embedded DMS at NB MM 165.15**

- COMMUNICATION FROM NEAREST ITS CABINET
- POLE MOUNTED NEMA CABINET
- POWER FROM NEAREST ITS CABINET
- 3-DIGIT EMBEDDED DMS
- 3-DIGIT EMBEDDED DMS (SIGN SPACING REQUIREMENTS)

**Rest Area Truck Parking Spacing Available**

**Existing ITS Infrastructure Reference**

- FPID 414719-1-52-01
- Existing ITS Trunkline (Existing)
- Power Conduit with Conductors (Existing)
- Fiber Pull Box (Existing)
- MVDS
- CCTV (Existing)
- Its Power Service (Existing)
- Electrical Pull Box (Typ.) (Existing)
- Its Power Conduit with Conductors (Existing)
- Fiber Pull Box (Typ.) (Existing)
- Mile Marker 165
- NB MM 168
- 50381 Rest Area Locator
- Interstate 95
- Exit 173
- I-95 N B
- I-95 S B

**Revisions**

<table>
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**Internal Revision**

- Existing ITS Power Service
- Existing ITS Power Conduit with Conductors
- Existing ITS Pull Box
- Existing ITS Media Converter
- Existing ITS Fiber Pull Box

**Existing ITS Trunkline**

- Existing Fiber Splice Vault
- Intercept Existing Power Pull Box
- Intercept Existing Fiber Pull Box
- Intercept Existing Media Converter
- Intercept Existing Power Pull Box
- 6" Conduit (Open Trench)
  - 1-12 Strand FOC
  - Power
  - Spares

**Existing ITS Infrastructure Reference**

- FPID 414719-1-52-01
- Existing ITS Trunkline (Existing)
- Power Conduit with Conductors (Existing)
- Fiber Pull Box (Existing)
- MVDS
- CCTV (Existing)
- Its Power Service (Existing)
- Electrical Pull Box (Typ.) (Existing)
- Its Power Conduit with Conductors (Existing)
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

TRUCK PARKING AVAILABILITY SYSTEM
SEMINOLE COUNTY, FOOT DISTRICT 5
REST AREA 50221 (17 SPACES)
EASTBOUND MILE MARKER 96

438096-152-01

ROAD NR.
COUNTY
FINANCIAL PROJECT NO.

1-4
SEMINOLE

TSHEPARD

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11:52:30 AM
438096-1-52-01

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

4-2 CONDUIT (OPEN TRENCH)
- 1-12 STRAND FOC
- POWER
- SPARES

4-2 CONDUIT (DIRECTIONAL BORE)
- 1-12 STRAND FOC
- POWER
- SPARES

FIBER PULL BOX (TYP.)

PARCEL DERIVED ROW

EXISTING ITS FIBER TRUNKLINE

(EXISTING)
FIBER OPTIC PULL BOX (TYP.)

1 REPEATER (TYP.)
1 TYPE II POLE (TYP.)
FOR TRANSMISSION OF MESSAGES
FROM THE GROUND SENSORS
TO THE ACCESS POINT

1 MEDIA CONVERTER
IN THE EXISTING ITS CABINET

EXISTING ITS INFRASTRUCTURE REFERENCE
BASED ON FOOT GSP LINK
http://www.acstraffic.net/GE/FDOT OSPInsight Export for Google Earth.kmz

EXISTING ITS FIBER DROP

INSTALL NEW COMMUNICATION CABLE ENTERING INTO EXISTING CABINET

1 TYPE II POLE (TYP.)
1 REPEATER (TYP.)
1 ACCESS POINT
1 DOME CCTV CAMERA (IP HD CAMERA)
1 MEDIA CONVERTER
1 POWER PULL BOX
1 FIBER PULL BOX
1vezel converter

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

TRUCK PARKING AVAILABILITY SYSTEM
SEMINOLE COUNTY, FOOT DISTRICT 5
REST AREA 50221 (17 SPACES)
EASTBOUND MILE MARKER 96

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