Governing Standards and Specifications:
Florida Department of Transportation, 2017 Design Standards and revised Index Drawings as appended herein, and 2017 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/reddesign/DesignStandards
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/StandardSpecifications

State of Florida
Department of Transportation

Contract Plans

Financial Project ID 440090-1-52-01

Truck Parking Availability Systems (TPAS)
Intelligent Transportation System Plans

Key Sheet Revisions

Date | Description
--- | ---

Fdot Project Manager: Scott Thurman
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 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 support. Its device locations are approximate and may require relocation by the project engineer. If device relocations occur for any reason, existing conduits and conduit supporting that device shall be relocated and/or extended.

4. Install fiber optic conduit for communication to devices as shown in the plans and in accordance with all foot standards for conduit installation.

5. The contractor shall be responsible for furnishing and installing above ground tubular route markers per foot standards. Markers shall be placed at a maximum of 100 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 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.

LEGEND

EXISTING PROPOSED

- - - - GROUND SENSORS

- REPEATER

- ACCESS POINT

- DETECTION ZONE

- CCTV WITH POLE

- MVDS

- MULTI-POST STATIC SIGN W/ ELECTRICAL DISPLAY SIGN

- BM BASE MOUNT CABINET

- CM POLE MOUNT CABINET

- ELECTRICAL PULL BOX

- FIBER OPTIC PULL BOX

- SPICE VAULT

- POWER SERVICE

- POLE

- DMS

- CONDUIT, OPEN TRENCH

- CONDUIT, DIRECTIONAL BORE

---#--- FIBER OPTIC RUN

---#--- POWER RUN

GENERAL NOTES

UTILITY OWNERS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

FINANCIAL PROJECT NO.

ROAD NO.
COUNTY

440090-1-52-01

VARIES
VARI

GENERAL NOTES

SHEET NO.

2
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<tr>
<th>FINANCIAL PROJECT NO.</th>
<th>COUNTY</th>
<th>ROAD NO.</th>
<th>DESCRIPTION</th>
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<td>440090-1-52-01</td>
<td>ST. LUCIE</td>
<td>I-95</td>
<td>TRUCK PARKING AVAILABILITY SYSTEM</td>
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**STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**

**TRUCK PARKING AVAILABILITY SYSTEM**

**ST. LUCIE COUNTY, FDOT DISTRICT 4**

**TPAS SIGN 40391**

**NORTHBOUND MILE MARKER 128.16**

**IT-01A**

**DATE:** 9/23/2016

**LOCATION:**

- **REST AREA MM 123**
- **NB MM 133**
- **TPAS 40391**

**MILE MARKER 128**

- **3-DIGIT EMBEDDED DMS AT NB MM 128.16**
  - COMMUNICATION FROM NEAREST ITS CABINET
  - POLE MOUNTED NEMA CABINET
  - POWER FROM NEAREST ITS CABINET
  - 3-DIGIT EMBEDDED DMS (ADJUST SIGN LOCATION PER MUTCD SIGN SPACING REQUIREMENTS)

**EXISTING ITS INFRASTRUCTURE REFERENCE**

- **FPID 414705-1-52**
- **FPID 414704-1-52**
- **FPID 414703-1-52**

**EXISTING ITS INFRASTRUCTURE REFERENCE**

- **EXISTING ITS CABINET**
  - 4 FO TERMINATORS
  - 1 FOC CONNECTOR PANEL
  - 1 BUFFER TUBE FAN OUT KIT
  - 1 FOC PATCH PANEL
  - 1 MEDIA CONVERTER
  - 1 MULTIPORT STATIC SIGN WITH EMBEDDED DMS
  - 1 BUFFER TUBE FAN OUT KIT
  - 1 FOC CONNECTOR PANEL
  - 4 FO TERMINATORS

**EXISTING FIBER OPTIC TRUNKLINE**

- **EXISTING IT-01A**

**EXISTING ELECTRICAL PULL BOX**

- **EXISTING POWER PULL BOX**
  - 14" CONDUIT (OPEN TRENCH)
  - POWER
  - 1 STRAND FOC SPARE

**INSTALL NEW POWER AND COMMUNICATION CABLES**

- **INSTALLING CONDUIT ENTERING INTO CABINET**

**PARCEL DERIVED ROW**

- **4 FO TERMINATORS**
- **1 FOC CONNECTOR PANEL**
- **1 BUFFER TUBE FAN OUT KIT**
- **1 FOC PATCH PANEL**
- **1 MEDIA CONVERTER**
- **1 ELECTRICAL PULL BOX**
- **1 POWER PULL BOX**
- **1 SPARE**
- **1 -12 STRAND FOC**
- **3-2" CONDUIT (OPEN TRENCH)**

**EXISTING FIBER OPTIC TRUNKLINE**

- **EXISTING IT-01A**

**EXISTING IT-01A**

- **EXISTING ITS CABINET**
  - 4 FO TERMINATORS
  - 1 FOC CONNECTOR PANEL
  - 1 BUFFER TUBE FAN OUT KIT
  - 1 FOC PATCH PANEL
  - 1 MEDIA CONVERTER
  - 1 ELECTRICAL PULL BOX
  - 1 POWER PULL BOX
  - 1 SPARE
  - 1 -12 STRAND FOC
  - 3-2" CONDUIT (OPEN TRENCH)

**EXISTING IT-01A**

- **EXISTING ITS CABINET**
  - 4 FO TERMINATORS
  - 1 FOC CONNECTOR PANEL
  - 1 BUFFER TUBE FAN OUT KIT
  - 1 FOC PATCH PANEL
  - 1 MEDIA CONVERTER
  - 1 ELECTRICAL PULL BOX
  - 1 POWER PULL BOX
  - 1 SPARE
  - 1 -12 STRAND FOC
  - 3-2" CONDUIT (OPEN TRENCH)

**EXISTING FIBER PULL BOX**

- **EXISTING IT-01A**

**EXISTING IT-01A**

- **EXISTING ITS CABINET**
  - 4 FO TERMINATORS
  - 1 FOC CONNECTOR PANEL
  - 1 BUFFER TUBE FAN OUT KIT
  - 1 FOC PATCH PANEL
  - 1 MEDIA CONVERTER
  - 1 ELECTRICAL PULL BOX
  - 1 POWER PULL BOX
  - 1 SPARE
  - 1 -12 STRAND FOC
  - 3-2" CONDUIT (OPEN TRENCH)

**EXISTING FIBER PULL BOX**

- **EXISTING IT-01A**

**EXISTING IT-01A**

- **EXISTING ITS CABINET**
  - 4 FO TERMINATORS
  - 1 FOC CONNECTOR PANEL
  - 1 BUFFER TUBE FAN OUT KIT
  - 1 FOC PATCH PANEL
  - 1 MEDIA CONVERTER
  - 1 ELECTRICAL PULL BOX
  - 1 POWER PULL BOX
  - 1 SPARE
  - 1 -12 STRAND FOC
  - 3-2" CONDUIT (OPEN TRENCH)
<table>
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<tr>
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**State of Florida**
**Department of Transportation**
**Truck Parking Availability System**
St. Lucie County, FDOT District 4
TPAS Sign 40392
Southbound Mile Marker 139.23

- **Road No.** I-95
- **County:** St. Lucie
- **Financial Project:** 440090-1-52-01

**FPID Numbers:**
- FPID 414705-1-52
- FPID 414704-1-52
- FPID 414703-1-52

**EXISTING ITS INFRASTRUCTURE REFERENCE**

- **Power Pull Box**
  - Install new power and communication cables using existing conduit entering into cabinet.

- **Fiber Pull Box**
  - Intercept existing power pull box.

- **Parcel Derived R/W**
  - Fiber Optic Trunkline (Existing)
  - Power Conduit with Conductors (Existing)

- **Electrical Pull Box (Typ.)**
  - Fiber Optic Splice Vault (Existing)

- **Power Conduit with Conductors:**
  - Spare
  - 1-12 Strand FOC

- **3" Conduit (Open Trench):**
  - Power
  - 1-12 Strand FOC

- **Mile Marker 139**

**TRUCK PARKING AVAILABILITY SIGN WITH:**

- 3-Digit Embedded DMS
- Power from nearest ITS cabinet
- 3-Digit Embedded DMS
- Communication from nearest ITS cabinet

**INTERSTATE 95**

**LOCATOR**

**EXIT 138**

**SOUTHBOUND MILE MARKER 139.23**

**TPAS SIGN 40392**

**ST. LUCIE COUNTY, FDOT DISTRICT 4**

**Truck Parking Availability System (TPAS)**

- Communication from nearest ITS cabinet
- Pole mounted NEMA cabinet
- Power from nearest ITS cabinet
- 3-Digit embedded DMS
- Sign spacing requirements

**INSTALL NEW POWER AND COMMUNICATION CABLES USING EXISTING CONDUIT ENTERING INTO CABINET**

**EXISTING ITS CABINET**

- 4 FO Terminators
- 1 FOC Connector Panel
- 1 Buffer Tube Fan Out Kit
- 1 FOC Patch Panel
- 1 Media Converter
- 1 Multi Post Static Sign with Embedded DMS
- 1 Media Converter
- 1 FOC Patch Panel
- 1 Buffer Tube Fan Out Kit
- 1 FOC Connector Panel
- 1 Media Converter

**EXISTING ITS CABINET**

- 4 FO Terminators
- 1 FOC Connector Panel
- 1 Buffer Tube Fan Out Kit
- 1 FOC Patch Panel
- 1 Media Converter
**STATE OF FLORIDA**

**DEPARTMENT OF TRANSPORTATION**

**TRUCK PARKING AVAILABILITY SYSTEM**

**BROWARD COUNTY, FDOT DISTRICT 4**

**TPAS SIGN 40490**

**NORTHBOUND MILE MARKER 29.68**

**EXISTING ITS INFRASTRUCTURE REFERENCE**

- FPID 231739-3-52-01
- EXISTING ITS INFRASTRUCTURE REFERENCE
- IT-07B

**ROAD NO.**

- I-75

**COUNTY**

- BROWARD

**FINANCIAL PROJECT ID**

- 40090-1-52-01

**DATE**

- 9/23/2016

**SHEET NO.**

- 1T-07B

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- **TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT NB MM 24.28 SOUTH OF REST AREA 40490 (MM 34)**
- **ADJUST SIGN LOCATIONS PER MUTCD SIGN SPACING REQUIREMENTS**
- **POLE MOUNTED NEMA CABINET**
- **COMMUNICATION FROM NEAREST ITS CABINET**

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- **EXISTING ITS FIBER TRUNKLINE**
- **POWER CONDUIT WITH CONDUCTORS**
- **FIBER SPLICE VAULT**
- **EXISTING CONDUIT ENTERING INTO CABINET**

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- **EXISTING POWER CONDUIT WITH CONDUCTORS**
- **INSTALL NEW POWER CABLES USING EXISTING CONDUIT ENTERING INTO CABINET**
- **4 FO TERMINATORS, IN EXISTING ITS CABINET**
- **1 FOC CONNECTOR PANEL**
- **1 BUFFER TUBE FAN OUT KIT**
- **1 FOC PATCH PANEL**
- **1 MEDIA CONVERTER**
- **1 MULTI POST STATIC SIGN WITH EMBEDDED DMS**
- **1 MEDIA CONVERTER**
- **1 FOC PATCH PANEL**
- **1 BUFFER TUBE FAN OUT KIT**
- **1 FOC CONNECTOR PANEL**
- **4 FO TERMINATORS, IN EXISTING ITS CABINET**