STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 440089-1-52-01
(FEDERAL FUNDS)

TRUCK PARKING AVAILABILITY SYSTEMS (TPAS)
INTELLIGENT TRANSPORTATION SYSTEM PLAN

INDEX OF TPAS PLANS

SHEET NO. SHEET DESCRIPTION
1 KEY SHEET
2 GENERAL NOTES
3 GUIDE DESIGN WORKSHEET
IT-01 TO IT-03A ITS PLAN SHEETS

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/rd/design/
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

PASCO COUNTY, REST AREAS
70241 NORTHBOUND (MILE MARKER 278)
70242 SOUTHBOUND (MILE MARKER 278)

HILLSBOROUGH COUNTY, WEIGHT STATIONS
70691 EASTBOUND (MILE MARKER 12)
70692 WESTBOUND (MILE MARKER 12)

HILLSBOROUGH COUNTY, REST AREAS
70251 NORTHBOUND (MILE MARKER 238)

IT-01 TO IT-03A ITS PLAN SHEETS

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

ITS SHOP DRAWINGS TO BE SUBMITTED TO:

30% PLANS PREPARED BY:

PURPOSE ONLY ILLUSTRATION

FDOT PROJECT MANAGER:

TRUCK PARKING AVAILABILITY SYSTEMS (TPAS) PLANS ENGINEER OF RECORD:

P.E. NO.

FISCAL YEAR SHEET NO.
16 1
### GENERAL NOTES

1. The locations(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 non-Sunshine subscribers and utility owners listed throughout 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 type(s) to support its device locations are approximate and may require relocation by contractor. Pull boxes 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 section 8.08 of the DOT standard specifications. Markers shall be placed at a maximum of 100 feet and at every pull and splice box location. A marker label template shall be forwarded 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.

### LEGEND

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### UTILITY OWNERS

- **Bright House Networks**
  - Malvin Urey Jr.
  - 407-572-4599
- **Hillsborough County Water**
  - 813-272-5973
- **Pasco County Utilities**
  - 727-847-8120
- **Spectrum**
  - Spectrum
  - 813-862-0523
- **Tampa Electric Company**
  - Matthew A. Reed
  - 813-223-0800
- **TECO Peoples Gas Transmission**
  - 813-275-3743
- **Frontier Communications**
  - Dave Repp
  - 352-340-2348
- **Withlacoochee River Electric**
  - Corey Littlefield
  - 352-588-3015
- **Hillsborough County Water**
  - 727-656-8365
- **Marvin Usry Jr.**
  - 813-272-5977
- **Pasco County Utilities**
  - 813-223-0800
- **Spectrum**
  - Thomas Sansing
  - 727-847-8120
- **Spectrum**
  - Danielle Keirsey
  - 727-847-8120
- **Spectrum**
  - Luis Castellanos
  - 813-275-3743
- **Tampa Electric Company**
  - Marilyn Aloi
  - 813-929-4552
- **Tampa Bay Water**
  - 813-275-3743
- **Tampa Bay Water**
  - Danielle Verry
  - 813-929-4552
- **Pasco County Utilities**
  - 813-275-3743
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EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 409366-2-52-01

EXISTING ITS FIBER TRUNKLINE
EXISTING ITS POWER SERVICE DROP (TYP.)
EXISTING ELECTRICAL PULL BOX (TYP.)
EXISTING FIBER OPTIC SPLICE BOX (TYP.)
EXISTING FIBER OPTIC PULL BOX (TYP.)
EXISTING POWER CONDUIT WITH CONDUCTORS
EXISTING ITS FIBER DROP CONDUIT

R/W LINE
R/W LINE
MILE MARKER 16}

ILE MARKER 16
POLY CONDUIT (OPEN TRENCH)
4 FIBER OPTIC TERMINATORS
1 POWER PULL BOX
1 FIBER PULL BOX
1 FIBER OPTIC CABLE CONNECTOR PANEL
1 BUFFER TUBE FAN OUT KIT
1 FIBER OPTIC CABLE PATCH PANEL
1 MEDIA CONVERTER
1 MULTI POST STATIC SIGN WITH EMBEDDED DMS

- SPARE
- 1-12 STRAND FIBER OPTIC CABLE
- POWER
3-2" CONDUIT (OPEN TRENCH)

- 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)
- 3-DIGIT EMBEDDED DMS
- E88H-87125-CAB CABINET
- POLE MOUNTED NEMA CABINET
- COMMUNICATION FROM NEAREST ITS CABINET

TRUCK PARKING AVAILABILITY SYSTEM
HILLSBOROUGH COUNTY, FDOT DISTRICT 7
TPAS SIGN 20692
WESTBOUND MILE MARKER 15.71

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
FINANCIAL PROJECT NO.
WBS 440089-1 52-01
HILLSBOROUGH 440089-1 52-01
1-1
1-4

ILLUSTRATION PURPOSE ONLY
**STATE OF FLORIDA\nDEPARTMENT OF TRANSPORTATION\n
TRUCK PARKING AVAILABILITY SYSTEM\nHILLSBOROUGH COUNTY, FDOT DISTRICT 7\nTPAS SIGN 70691\nEASTBOUND MILE MARKER 9.21\n
TRUCK PARKING AVAILABILITY SIGN WITH\n3 DIGIT EMBEDDED DMS AT EB MM 9.21\nWEST OF WEIGH STATION (MM 12)\nADJUST SIGN LOCATION PER MUTCD\nSIGN SPACING REQUIREMENTS\n- 3 DIGIT EMBEDDED DMS\n- POWER FROM ITS CABINET\n- COMMUNICATION FROM NEAREST ITS CABINET\n- MEDIA CONVERTER\n
EXISTING ITS INFRASTRUCTURE REFERENCE\nWAS USED TO LOCATE EXISTING ITS\nFILES NOT AVAILABLE. AERIAL PHOTOGRAPHY\nWAS USED TO LOCATE EXISTING ITS\nINFRASTRUCTURE.

**ILLUSTRATION\nPURPOSE ONLY**
ILLUSTRATION
PURPOSE ONLY

NO FDOT EXISTING ITS INFRASTRUCTURE IS PRESENT AT THIS LOCATION.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

TRUCK PARKING AVAILABILITY SYSTEM
HILLSBOROUGH COUNTY, FDOT DISTRICT 7
REST AREA 70251 (34 SPACES)
NORTHBOUND MILE MARKER 238

REVISIONS

DATE
DESCRIPTION

11/8/2016
tsheppard

11/03

FILED AS: TRUCK PARKING AVAILABILITY SYSTEM (TMAW)
TRUCK PARKING AVAILABILITY SYSTEM
HILLSBOROUGH COUNTY, FOOT DISTRICT 7
TPAS SIGN 70251
NORTHBOUND MILE MARKER 234.50

1 ETHERNET SWITCH
1 WIRELESS COMMUNICATION DEVICE
1 MEDIA CONVERTER
1 POWER PULL BOX
1 WIRELESS COMMUNICATION EQUIPMENT
- POLE MOUNTED NEMA CABINET
- SOLAR POWER FOR EMBEDDED DMS
- 3-DIGIT EMBEDDED DMS
- SIGN SPACING REQUIREMENTS
  (ADJUST SIGN LOCATION PER MUTCD)
SOUTH OF REST AREA 70251 (MM 238)
3-DIGIT EMBEDDED DMS AT NB MM 234.50
TRUCK PARKING AVAILABILITY SIGN WITH
ELECTRIC PULL BOX (TYP.)

FIBER SPLICE VAULT

- WIRELESS COMMUNICATION TO CONNECT TO REST AREA
- FIBER OPTIC CABLE FOR FUTURE COMMUNICATION CONNECTION
- 200 FT SLACK OF 1-12 STRAND FIBER OPTIC CABLE
- POWER PULL BOX
- MEDIA CONVERTER
1 MULTI POST STATIC SIGN WITH EMBEDDED DMS

NO FDOT EXISTING ITS INFRASTRUCTURE
COMMUNICATION CONNECTION

ILLUSTRATION PURPOSE ONLY
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

TRUCK PARKING AVAILABILITY SYSTEM
PASCO COUNTY, FOOT DISTRICT 7
REST AREA 70241 (57 SPACES)
NORTHBOUND MILE MARKER 278

SEE SHEET IT-05 FOR DETAILS

- FPID 410909-4-52-01
EXISTING ITS INFRASTRUCTURE REFERENCE
I-75 NB
I-75 SB
NORTHBOUND MILE MARKER 278
REST AREA 70241 (57 SPACES)
PASCO COUNTY, FDOT DISTRICT 7
TRUCK PARKING AVAILABILITY SYSTEM

POWER CONDUIT WITH CONDUCTORS
PARCEL DERIVED R/W
FIBER PULL BOX (TYP.)
TO THE ACCESS POINT
FROM THE GROUND SENSORS
FOR TRANSMISSION OF MESSAGES

1 ACCESS POINT (TYP.)
1 REPEATER (TYP.)
1 TYPE II POLE (TYP.)
1 NEMA 3R ENCLOSURE
1 FIBER OPTIC CABLE CONNECTOR PANEL
1 MEDIA CONVERTER
1 FIBER OPTIC CABLE PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
4 FIBER OPTIC TERMINATORS

8 FIBER OPTIC TERMINATIONS
1 FIBER OPTIC CABLE CONNECTOR PANEL
1 BUFFER TUBE FAN OUT KIT
1 ETHERNET SWITCH
1 MEDIA CONVERTER
1 POLE
1 TYPE 336S ITS FIELD CABINET NEMA 3R
1 REPEATER
1 ACCESS POINT
1 DOME CCTV CAMERA (IP HD CAMERA)

- SPARE
- POWER
2-2" CONDUIT (DIRECTIONAL BORE)
- SPARE
- POWER
2-2" CONDUIT OPEN TRENCH
- 1-12 STRAND FIBER OPTIC CABLE
- SPARE
- POWER
1-12 STRAND FIBER OPTIC CABLE
1 TYPE II POLE (TYP.)
1 REPEATER (TYP.)
1 ACCESS POINT (TYP.)
1 DOME CCTV CAMERA (IP HD CAMERA)
1 MEDIA CONVERTER
1 POLE
1 TYPE 336S ITS FIELD CABINET NEMA 3R
1 REPEATER
1 ACCESS POINT
1 DOME CCTV CAMERA (IP HD CAMERA)
1 MEDIA CONVERTER
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1 DOME CCTV CAMERA (IP HD CAMERA)
1 MEDIA CONVERTER
1 POLE
1 TYPE 336S ITS FIELD CABINET NEMA 3R
1 REPEATER
1 ACCESS POINT
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1 MEDIA CONVERTER
1 POLE
1 TYPE 336S ITS FIELD CABINET NEMA 3R
1 REPEATER
1 ACCESS POINT
1 DOME CCTV Camera
EXISTING ITS INFRASTRUCTURE REFERENCE

- FPID 410909-4-52-01

EXISTING ITS INFRASTRUCTURE REFERENCE

- COMMUNICATION FROM NEAREST ITS CABINET
  - POLE MOUNTED NEMA CABINET
  - POWER FROM NEAREST ITS CABINET
  - 3-DIGIT EMBEDDED DMS
  - SIGN SPACING REQUIREMENTS
    - ADJUST SIGN LOCATIONS PER MUTCD
  - SOUTH OF REST AREA 70241 (MM 278)
  - 3-DIGIT EMBEDDED DMS AT NB MM 275.89
  - TRUCK PARKING AVAILABILITY SIGN WITH
    - 1-12 STRAND FIBER OPTIC CABLE
    - POWER
    - 3-2" CONDUIT (OPEN TRENCH)
    - SPARE
  - 1-12 STRAND FIBER OPTIC CABLE
  - POWER
  - 3-2" CONDUIT (DIRECTIONAL BORE)

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