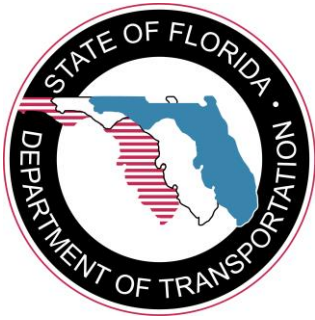


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SR 600 (US 92) Project Development & Environment Study Re-Evaluation

From East of I-4 to East of County Line Road
Hillsborough County, Florida

Work Program Item Segment No.: 435749-1
Federal Aid Project No.: MAF-212-1(34)

Final Utility Assessment Package

April 2017

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to 23 U.S.C. §327 and a Memorandum of Understanding dated December 14, 2016 and executed by the Federal Highway Administration and FDOT.

Any reference contained herein to the Project Development & Environment Manual is referring to the 2016 revision.

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1.0 INTRODUCTION

The Florida Department of Transportation (FDOT), District Seven, conducted a reevaluation of a Project Development and Environmental (PD&E) Study for the proposed widening of SR 600 (US 92) from east of Interstate 4 (I-4) to east of County Line Road, which is a distance of approximately 18.1 miles. The project is located in Hillsborough County and was originally completed in March 1994. The location and limits of the area of study can be seen in **Figure 1**.

1.1 Purpose of Utilities Assessment Package

This utilities assessment package has been assembled to provide information on existing and planned utilities along US 92 within the limits described above. This package contains information on the names of utility companies, arials denoting the location of major existing and proposed facilities, descriptions of the identified utilities, project coordination efforts, potential impacts, and information on the cost of relocation.

1.2 Existing Roadway Facilities

US 92 has a functional classification of Urban Principal Arterial Other, and runs parallel to I-4. The total project length is approximately 18.1 miles. Part of the project is located within Plant City while the remainder of the project is in unincorporated Hillsborough County.

From I-4 to Thonotosassa Road, US 92 is a two-lane undivided rural roadway with 12-foot lanes, paved shoulders, and drainage ditches located typically within 80 to 100 feet of right-of-way.

From Thonotosassa Road to Mobley Street, US 92 consists of two eastbound travel lanes and two westbound travel lanes. The outside westbound travel lane becomes a dedicated right turn at Thonotosassa Road. There are no pedestrian facilities between Thonotosassa Road and Mobley Street.

From North Gordon Street to Park Road, the US 92 existing typical section is a four-lane divided urban roadway with an 18-foot wide raised grassed median and concrete curb and gutter on both the inside and outside of the roadway.

From east of Park Road to east of County Line Road, US 92 is a rural facility with two 12-foot-wide lanes and grass shoulders and drainage ditches on both sides.

Figure 1 US 92 Study Location Map

1.3 Preferred Roadway Improvements

As shown on **Figure 1**, The project is divided into 11 segments. **Figures 2, 3, and 4** show the preferred typical sections for Segments 1 through 9 and Segment 11. The following section will discuss the preferred typical section proposed on this project.

The preferred typical section for Segments 1 through 4 is a suburban roadway with two 11-foot travel lanes and a seven-foot buffered bike lane in each direction. The travel lanes are separated by a 44-foot median with eight-foot inside shoulders. At the I-75 overpass, pier protection barrier is located between the bike lanes and the piers and six-foot sidewalks are located behind the piers on both sides of the roadway. Type F curb and gutter is used along the outside lanes and curb inlets collect stormwater runoff which is then conveyed to stormwater ponds. This proposed typical section is shown in **Figure 2**.

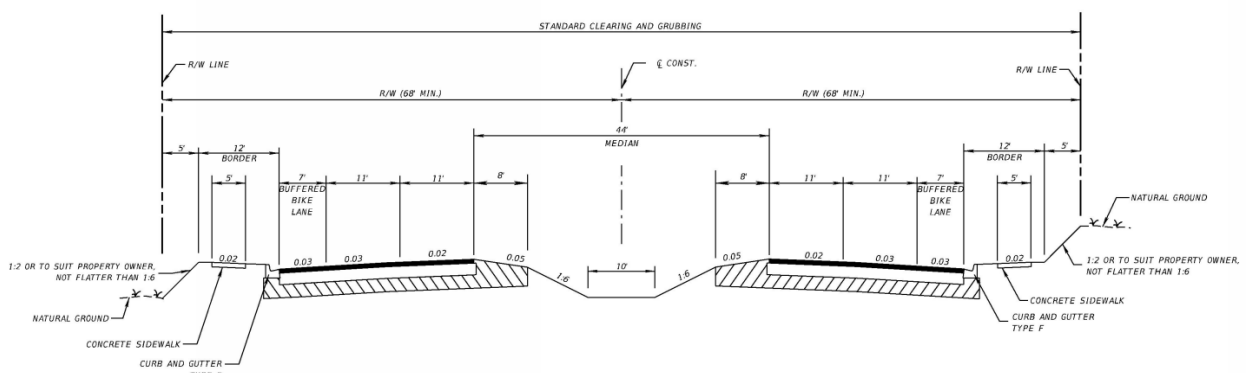


Figure 2 Preferred Typical Section for Segments 1 through 4

The preferred typical section for Segments 5 through 9 is a suburban roadway with two 12-foot travel lanes and a seven-foot buffered bike lane in each direction. The travel lanes are separated by a 54-foot median with eight-foot inside shoulders. Type E curb and gutter is used along the outside lanes and curb inlets collect stormwater runoff which is then conveyed to stormwater ponds. A 29-foot border is provided along both sides of the roadway and accommodates five-foot sidewalks on both sides of the road. The preferred typical section for these segments is shown in **Figure 3**.

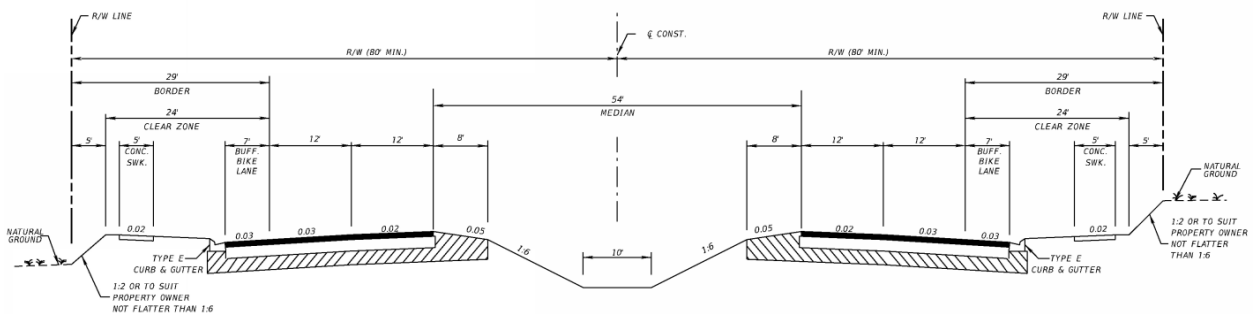


Figure 3 Preferred Typical Section for Segments 5 through 9

Segment 10 is located through Plant City and the preferred alternative for this segment is the No-Build alternative. Sidewalk and drainage improvements were made to the section of US 92 between Mobley Street and Whitehall Street which meet the intent of the original PD&E Study recommendation for this segment of the project.

The preferred typical section for Segment 11 consists of two 12-foot travel lanes, a 5-foot sidewalk, and a 7-foot buffered bike lane in each direction separated by a 40-foot median with 8-foot inside shoulders with a design speed of 50 mph and is shown in **Figure 4**.

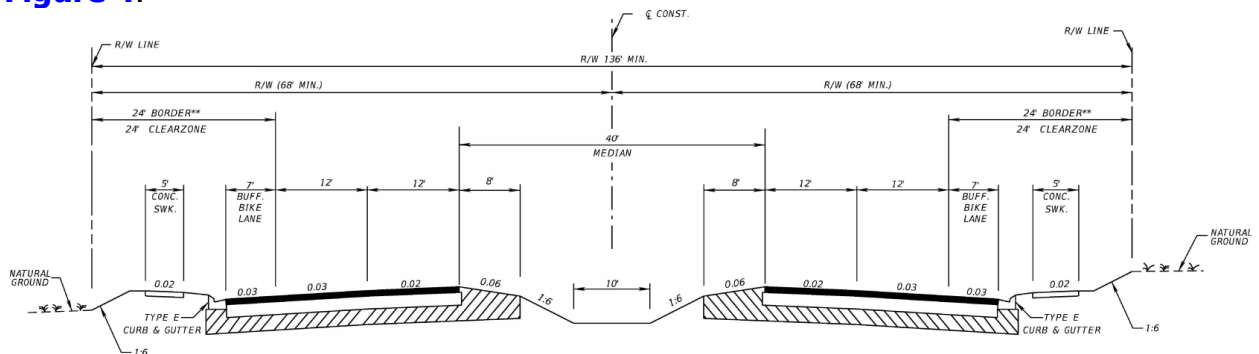


Figure 4 Preferred Typical Section for Segment 11

2.0 EXISTING UTILITIES

The Utility Agency/Owners (UAOs) in the study area were determined using a variety of sources. First, a Sunshine 811 Design Ticket was made to identify the utility providers and operators registered with the locate service. Next, the project was visited and field investigations and observations were made. All above ground utility features, including poles, hydrants, valve boxes, manholes, etc. were noted and verified with the utility providers and operators during the coordination process for the project. The final source of data collection was from past FDOT and/or County plans along or adjacent to the US 92 study area. A list of the UAOs identified on the project are summarized in **Table 1**.

2.1 Utility Owners/Providers

All of the utility providers and operators were contacted in April 2016 and were provided conceptual plans and alternatives for review. Copies of these coordination letters can be found in **Appendix 1**. Based on the conceptual plans, they were asked to assist in locating and identifying their existing and planned facilities within the area of study. They were also asked to provide an estimated cost for relocation of their facilities. Through mark-ups and/or verbal descriptions, most utility providers or operators provided information on the location and type of existing facilities and information on the planned facilities anticipated in the future. At the time of utility contact efforts, none of the UAOs indicated any future planned facilities or upgrades to existing facilities within the project limits. The responses from the utility providers are found in **Appendix 2**. A description of the existing facilities and associated relocation costs are outlined in **Table 2**.

Table 1 Summary of Utility Contact Information

Company	Contact	Email/Phone #	Facilities
AT&T Corp	Greg Jacobson	gtjacobson@att.com 813-342-0512	Fiber
Bright House Networks	Scott Creasy	Scott.Creasy@mybriighthouse.com 727-329-2817	No Response
FPU	Phillip Zimmer	pzimmer@chpk.com 352-447-2790	No Response
City of Plant City	Brett Gocka	bgocka@plantcitygov.com 813-659-4200	Water/Sewer
City of Lakeland Water/Wastewater	Lee Potter	lee.potter@lakelandgov.net 863-834-8316	No Facilities
City of Lakeland Electric	Kris Hayes	Kris.Hayes@lakelandelectric.com	No Facilities
City of Tampa Water/Wastewater	Rory Jones	rory.jones@tampagov.net 813-231-5291	No Facilities
Florida Gas Transmission	Joe Sanchez	joseph.e.sanchez@energytransfer.com (407) 838-7171	Transmission Gas Pipeline
FPL FiberNet	Danny Hasket	danny.haskett@fpl.com 305-552-2931	Fiber
Frontier Comm./Verizon	Daniel Collings	daniel.collings@ftr.com 813-612-9109	Fiber/Phone
Hillsborough County Utilities	Kevin Moran	morank@hillsboroughcounty.org 813-209-3073	Water/Sewer
Kinder Morgan/CFP	Mark Clark	mark_clark@kindermorgan.com 813-781-1718	Petroleum Pipeline
Level 3 Communications	Bob Priestap	bob.priestap@level3.com 813-349-1414	Fiber
MCI	Chuck Brunick	chuck.brunick@verizon.com 407-257-6134	No Facilities
Tampa Electric Company	Arlene Brown	csadmin@tecoenergy.com 813-275-3428	Electric
TECO Peoples Gas	Frank Kistner	fjkistner@tecoenergy.com 813-275-3731	Gas
TW Telecom	James McVeigh	james.mcveigh@twtelecom.com 813-316-7763	Aerial Fiber (verbal)
XO Communications	Jeff Sbrocco	Jeffrey.M.Sbrocco@xo.com 813-301-4047	No Facilities

Table 2 Existing Utilities and Estimated Relocation Costs

Company	Description	Relocation Cost
AT&T Corp	Two 2-inch PVC conduits and related fiber along the west side of Mango Road with a 6" steel casing crossing US 92 at Mango Road.	\$100,000
Bright House	No response. Facilities likely aerial on existing power poles.	-
FPU	No response.	-
City of Plant City	The City maintains water mains ranging in size from 2-inch to 12-inch, 8-inch to 10-inch sanitary sewer mains, and 12-inch to 20-inch reclaimed water mains within the project limits.	\$1.5 Million
Florida Gas Transmission	6-inch gas main crossing US 92 along east side of Falkenburg Rd. 26-inch gas main crossing US 92 along west side of Tanner Rd. 18-inch gas main crossing US 92 just west of Moores Lake Rd. 30-inch & 36-inch gas main crossing US 92 just east of Whitelaw Rd. 4-inch gas main crossing US 92 at N Wilder Rd.	\$1 Million – \$10 Million
FPL FiberNet	Maintains underground Fiber along US 92 from Edmond Ct to Branch Forbes Road and from Fletcher Lane to Whitehurst Road.	\$300,000
Frontier Communications	Maintains buried & aerial facilities along both sides of US 92 for the limits of the project. Facilities include smaller distribution systems and larger duct systems intermittently along the 19-mile corridor.	\$7 Million - \$10 Million
Hillsborough County Utilities	Maintains a water mains ranging in size from 6-inch to 12-inch along both side of US 92 from I-75 to Darby Lake Street. The County also maintains a 4-inch force main primarily along the north side of US 92 from Black Dairy Road to N Kingsway Road.	\$1.2 Million
Kinder Morgan/CFP	6-inch and 10-inch high pressure jet fuel line along the south side of US 92 in CSX ROW from Park Road to County Line Road.	\$0
Level 3 Communications	Maintains a buried fiber crossing at US 92 and I-4 and a buried fiber along US 92 from SR 39 to County Line Road.	\$660,000
Tampa Electric Company	Overhead distribution lines primarily along the north side of US 92 for the limits of the project. 69 kV transmission line crossing US 92 at Mango Road, which continues along the north side of US 92 to Peach Avenue. 69 kV transmission line along the north side of US 92 from Walter Dr. to N Woodro Wilson St.	\$3.9 Million
TECO Peoples Gas	Maintains a 6-inch gas main crossing of US 92 at Pine Street.	\$60,000
TW Telecom	Leases Bright House aerial facilities	\$0

3.0 FLORIDA GAS TRANSMISSION

3.1 Agreement and Global Settlement

Florida Gas Transmission (FGT) entered into an Agreement and Global Settlement (Agreement) with the FDOT in August 2013. A copy of the Agreement can be downloaded from:

<http://www.dot.state.fl.us/programmanagement/utilities/List/Cert/FGT-Global.pdf>

The agreement details the requirements and guidelines for design and construction of FDOT's proposed facilities in the vicinity of FGT's existing easements and/or pipelines. Based on the proposed concept plans and preferred alignments, the following two scenarios outlined in the Agreement may be applicable to this project:

1. Impacts to FGT's existing facilities located in private easements
 - a. FDOT will attempt to avoid encroachment onto FGT's easements. If FGT's facilities that are within a private easement have to be relocated due to improvements proposed by the Department, FDOT will pay the right-of-way costs and pay for the relocation of FGT's facilities.
2. Impacts to FGT's permitted facilities within FDOT's right-of-way
 - a. FDOT will design its proposed facilities to avoid conflicts with FGT's facilities. If FGT's facilities have to be relocated due to the proposed improvements by the Department, FDOT will pay for the right-of-way costs and FGT will pay for the relocation of their facilities.

4.0 UTILITY MITIGATION AND COST

Due to the nature of the existing conditions throughout the project corridor, it is anticipated that the widening of US 92 will impact a large number of the existing utility facilities on the project. The extent of the widening, anticipated right-of-way acquisition, and related improvements are shown on the preferred alternative conceptual plans included in **Appendix 3**. Since survey was not performed as a part of this Re-evaluation Study, UAOs could not provide an estimated schedule for performing their relocations without knowing the extent of the actual impacts. Mitigation measures would be taken during the design phase of the project to minimize impacts to the existing utilities to the fullest extent possible. If impacts are unavoidable, design alternatives would be reviewed to allow for relocation of impacted facilities in a manner that minimizes cost to the UAO and disruption to their customers.

Since relocations of facilities located in easements would likely be eligible for reimbursement, all measures will be taken to avoid impacting the existing FGT and additional utility facilities identified in easements. Though relocation of other facilities within the existing right-of-way are anticipated, all efforts will be made during final design to minimize impacts to FGT's existing pipeline, to the greatest extent possible.

Appendix 1 Utility Contact Letters

Appendix 2 Utility Responses

**AT&T Corporation
(Transmission)**

**Bright House Networks
(No Response)**

**Florida Public Utilities
(No Response)**

City of Plant City

City of Lakeland Water/Wastewater

City of Lakeland Electric

City of Tampa Water/Wastewater

Florida Gas Transmission

FPL FiberNet

**Frontier Communications/
fka Verizon**

Hillsborough County Utilities

Kinder Morgan/Central Florida Pipeline

Level 3 Communications

MCI

Tampa Electric Company

TECO Peoples Gas

TW Telecom

XO Communications

MCI

Appendix 3 PD&E Project Preferred Alternative Plan Sheets