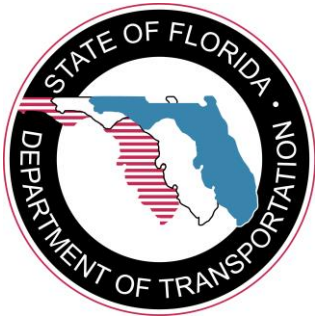


Prepared for:



FDOT District Four

3400 West Commercial Boulevard
Fort Lauderdale, Florida 33309

Midway Road PD&E

from Glades Cut Off Road to Selvitz Road
St. Lucie County, Florida

Financial Project Number: 231440-3-22-01

Utility Assessment Package

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Final Draft

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TABLE OF CONTENTS

	<u>PAGE</u>
1.0 INTRODUCTION	3
1.1 PURPOSE OF UTILITIES ASSESSMENT PACKAGE	3
1.2 EXISTING ROADWAY FACILITIES	3
1.3 PROPOSED ROADWAY IMPROVEMENTS	5
2.0 EXISTING UTILITIES	5
2.1 UTILITY OWNERS/PROVIDERS AND LOCATIONS	7
3.0 FLORIDA GAS TRANSMISSION	9
3.1 AGREEMENT AND GLOBAL SETTLEMENT	9
4.0 UTILITY MITIGATION AND COST	9

FIGURES

Figure 1 Existing Midway Road Typical	3
Figure 2 Midway Road PD&E Project Location Map	4
Figure 3 Alternative 2 Proposed Typical Section	5

TABLES

Table 1 Summary of Utility Contact Information	6
Table 2 Existing Utilities and Estimated Relocation Costs	8

APPENDICES

Appendix 1	Utility Contact Letters
Appendix 2	Utility Responses
Appendix 3	PD&E Project Recommended Alternative Plan Sheets

1.0 INTRODUCTION

The Florida Department of Transportation (FDOT), District Four, is conducting a Project Development and Environmental (PD&E) Study for the proposed widening of Midway Road from Glades Cut Off Road to Selvitz Road in St. Lucie County, Florida. Midway Road is a major east-west road that connects residents and commuters to and from Interstate 95 (I-95) and to the commercial areas along US Highway 1 (US 1). The total project length is approximately 1.6 miles. This study also evaluates pedestrian, bicycle, and transit facilities as well as improvements to freight mobility, operational improvements and access management along the project corridor. The location and limits of the area of study can be seen in [Figure 2](#).

1.1 Purpose of Utilities Assessment Package

This utilities assessment package has been assembled to provide information on existing and planned utilities on the Midway Road from Glades Cut Off Road to Selvitz Road PD&E project. This package contains information on the names of utility companies, arials denoting the location of major existing and proposed facilities, the description of each utility identified, project coordination efforts, and information on the cost of relocation.

1.2 Existing Roadway Facilities

The existing Midway Road typical section from Glades Cut Off Road to NW East Torino Drive consists of a four-lane divided roadway with curb and gutter and a design speed of 40 mph. The existing roadway then transitions to a two-lane undivided rural roadway until just west of the Selvitz Road intersection, and consists of two 12-foot travel lanes, one in each direction, and un-paved outside shoulders of varying widths with a design speed of 45 mph. Stormwater is collected in swales along the outside of the roadway which drains into Canal 103. The existing posted speed is 45 mph. [Figure 1](#) shows the existing typical section for Midway Road from Torino Drive to Selvitz Road.

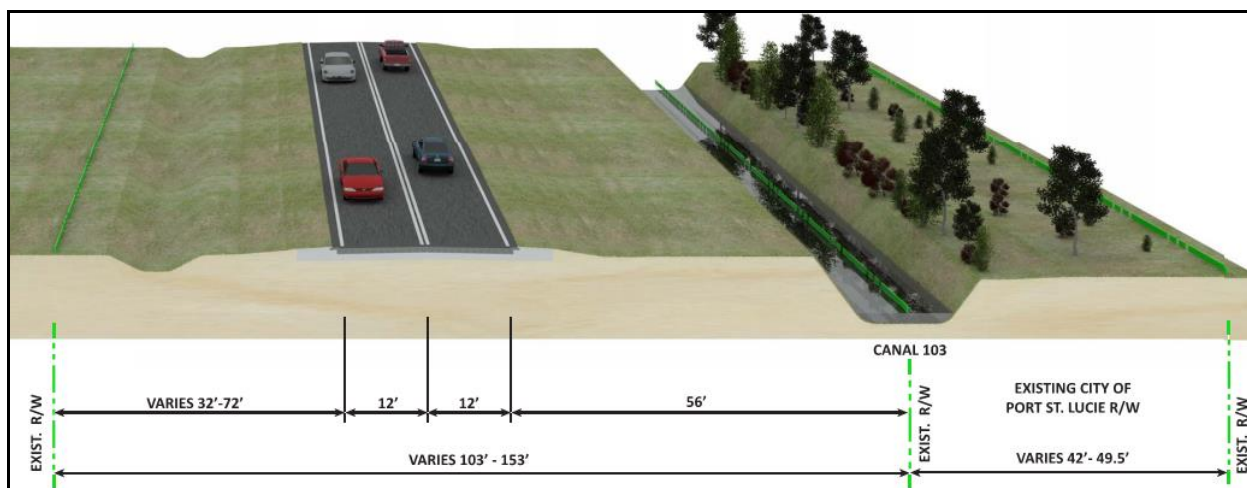


Figure 1 Existing Midway Road Typical

Figure 2 Midway Road PD&E Project Location Map

1.3 Proposed Roadway Improvements

The proposed improvement to Midway Road section includes the full reconstruction of Midway Road and provides two 11-foot travel lanes in each direction separated by a 22-foot median. Seven-foot buffered bike lanes would be provided in each direction located adjacent to the outside travel lanes. Type F curb and gutter is used along the inside and outside lanes and collects stormwater runoff which is then directed to stormwater retention ponds. A six-foot-wide sidewalk would be constructed on the north side of the roadway, and a 12-foot-wide shared-use path would be constructed along the south side of the road. Canal 103 will be enclosed in an 11-foot by 5-foot concrete box culvert which would be located along the south side of Midway Road. This alternative will also include a 10-foot-wide landscape strip which will incorporate both existing native vegetation as well as supplemental plantings to screen the residential properties adjacent to the south side of the roadway. A new bridge structure over Florida's Turnpike will be constructed to accommodate the roadway typical section features. The design speed for this typical section would be 45 mph. **Figure 3** shows the proposed typical section for the project.

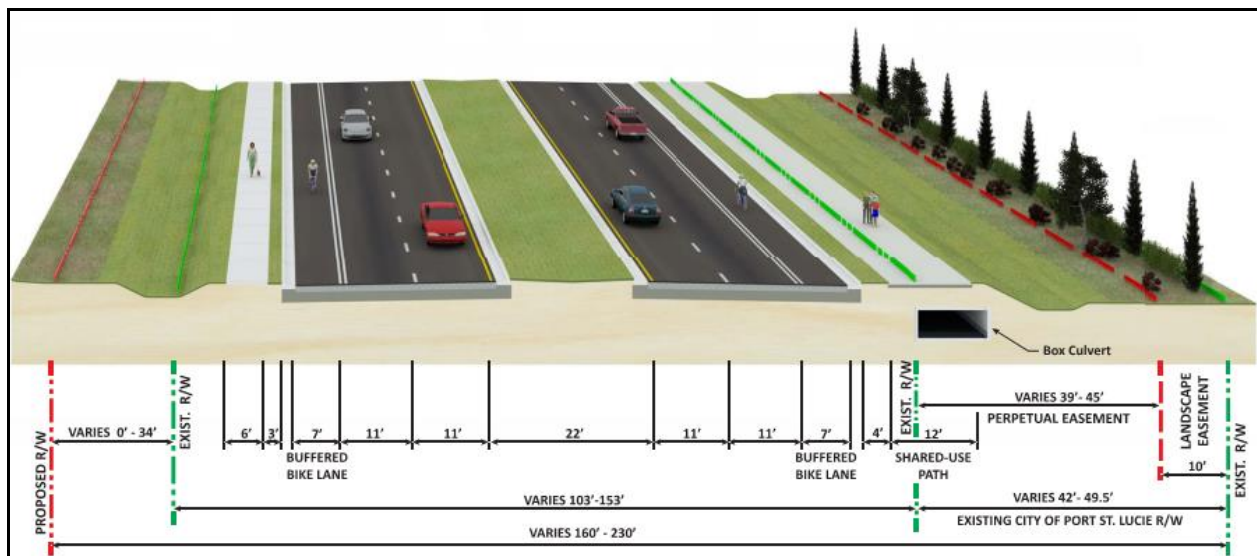


Figure 3 Alternative 2 Proposed Typical Section

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**.

Table 1 Summary of Utility Contact Information

Company	Contact	Address	Phone #	Utilities in Corridor
AT&T Florida	Mark Gutierrez	3300 Okeechobee Road Ft. Pierce, FL 34947 e:mg0939@att.com	772-460-4443	Yes
City of Port St. Lucie	Kim Graham	121 SW Port St. Lucie Boulevard, Bldg B Port St. Lucie, FL 34984-5099 e:king@cityofpsl.com	772-344-4014	Yes
Comcast Communications	Wilson Lopez	10435 Ironwood Road Palm Beach Gardens, FL 33410 e:Wilson_Lopez@cable.comcast.com	772-940-9310	Yes
Florida Gas Transmission	Joe Sanchez	2405 Lucien Way, Suite 200 Maitland, FL 32751 e:joseph.e.sanchez@energytransfer.com	407-838-7171	Yes
Florida Power & Light - Dist.	Rob Morris	4406 SW Cargo Way Palm City, FL 34990 e:rob.morris@fpl.com	772-223-4215	Yes
Florida Power & Light - Trans.	George Beck, PE	Transmission Engineering Group 700 Universe Blvd. TS4/JW Juno Beach, FL 33408 e: George.beck@fpl.com	561-904-3691	Yes
Ft. Pierce Utility Authority	Bo Hutchinson	1701 S. 37th Street Fort Pierce, FL 34947 e:bhutchinson@fpua.com	772-466-1600	Yes
St. Lucie County Utilities	Matthew Hammond, PE	2300 Virginia Avenue Ft. Pierce, FL 34982 e:hammondm@stlucieco.org	772-462-1134	Yes
System Integration & Maintenance	Michael Collier	2260 Palm Beach Lakes Blvd. West Palm Beach, FL 33409	305-624-1113	No Response
Tropicana Products	Bill Brooks	6500 Glades Cut Off Rd Fort Pierce, FL 34981 e:aedan.dowling@pepsico.com	772-465-2030	No (Verbal)

2.1 Utility Owners/Providers and Locations

All of the utility providers and operators were contacted in December 2015 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 2 Existing Utilities and Estimated Relocation Cost

Company	Description	Relocation Cost
AT&T Florida	AT&T maintains both aerial and buried facilities along the north side of Midway Road for the limits of the project. Aerial facilities are attached to both AT&T poles and FP&L's pole line.	\$270,000
City of Port St. Lucie	The City maintains a water main ranging in size from 12 to 16-inch along the south side of Midway Road for the limits of the project. Recently relocated water main along the east side of the project also included installation of 2-inch fiber. The City also maintains a 4-inch force main along the south side of the Road from Glades Cut Off Road to E Torino Parkway.	\$1,065,000
Comcast Communications	Comcast maintains aerial fiber attached to FP&L's pole line located along the south side of Midway Road from Glades Cut Off Road to NW Milner Drive, where their facilities exit the project.	\$0
Florida Gas Transmission	FGT maintains a 30-inch, 24-inch, and 18-inch steel high pressure gas mains within a 75-foot easement located along the east side of the Florida's Turnpike crossing under the existing Midway Road Bridge.	\$0
Florida Power & Light - Dist.	FP&L maintains an overhead and buried distribution electric line (<50 kV) along the south side of Midway Road in an easement from Glades Cut Off Road to NW Milner Drive. FP&L also has an overhead electric line along the north side of the road from just east of E Torino Parkway to Selvitz Road.	\$200,000
Florida Power & Light - Trans.	FP&L maintains a 230 kV aerial transmission line along the west side of Glades Cut Off Road.	\$0
Ft. Pierce Utility Authority	FPUA maintains a 12-inch water main and an 8-inch gas main along the north side of Midway Road starting from S Jenkins Road to Selvitz Road. Portions of the water and gas mains are located in easements. FPUA also maintains a 6-inch force main along the south side of the road from just east of the County Sherriff's Office to Selvitz Road.	\$400,000
St. Lucie County Utilities	The County maintains an 8-inch force main along the north side of Midway Road which turns and travels along the west side Glades Cut Off Road. The County also has a 16-inch water main along the south side of Midway Road, which also turns and continues along the west side of Glades Cut Off Road. The County does not have any additional facilities east of Glades Cut Off Road.	\$0
System Integration & Maintenance	No Response	TBD

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 recommended 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 Midway Road 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 recommended alternative conceptual plans included in **Appendix 3**. 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

Appendix 3 PD&E Project Recommended Alternative Plan Sheets

AT&T Distribution

City of Port St. Lucie

Comcast Communications

Florida Gas Transmission

Florida Power & Light-Distribution

Florida Power & Light-Transmission

Ft. Pierce Utility Authority

St. Lucie County Utilities

System Integration & Maintenance (No Response)

Tropicana Products