

# Utility Assessment Package

## **S.R. 50 PD&E Reevaluation Study**

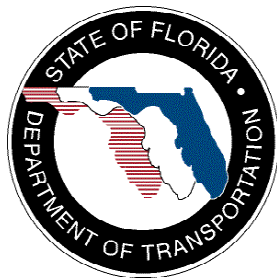
From U.S. 19 (S.R. 55) to the east intersection of  
S.R. 50 / S.R. 50A [along the Brooksville Bypass]

*Hernando County, Florida*

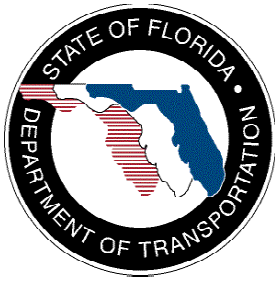
*WPI No: 407951 1*

*FAP No: 300-1(7)*

Florida Department of Transportation  
District 7



**November 2003**



## **UTILITY ASSESSMENT PACKAGE**

Florida Department of Transportation  
Project Development and Environment (PD&E) Reevaluation Study

### **S.R. 50 PD&E Reevaluation Study** **From U.S. 19 (S.R. 55) to the east intersection of** **S.R. 50 / S.R. 50A [along the Brooksville Bypass]**

Hernando County, Florida

WPI No: 407951 1  
FAP No: 300-1(7)

Submitted to:

Florida Department of Transportation - District 7  
Tampa, Florida

Submitted by:

**AYRES**  
ASSOCIATES

**November 2003**

## **SUMMARY**

The Florida Department of Transportation (FDOT) is conducting a Project Development and Environment (PD&E) Study Reevaluation, which evaluates capacity improvement options along S.R. 50 (Cortez Boulevard) in Hernando County Florida. The proposed project involves widening S.R. 50 from the existing 4-lane typical section to a 6-lane typical section from U.S. 19 to the east intersection of S.R. 50/S.R. 50A [along the Brooksville Bypass], a distance of approximately 13.7 miles. The widening of the segment of S.R. 50 from U.S. 19 (S.R. 55) to the west intersection of S.R. 50/S.R. 50A is proposed to be widened to the outside; whereas the remainder of the project, from the west intersection of S.R. 50/S.R. 50A to the east intersection of S.R. 50/S.R. 50A [along the Brooksville Bypass], is proposed to be widened to the inside.

The purpose of the Utility Assessment is to identify the type, location and ownership of the existing utilities within the Study corridor and to assess their impacts in terms of the proposed roadway improvements. The utility information is based on information obtained during field reviews as well as information provided by the utility companies. This package documents the results of the Utility Assessment component of the PD&E Study Reevaluation.

As a result of the data collection effort, ten utility companies were identified that have facilities within the Study corridor, which are identified in Part 1 of this package. Two of these utility companies, Florida Power and Light Corporation (Distribution) and Florida Water Services, indicated that their existing facilities would be impacted by the proposed project. Since these utilities are located within the existing FDOT right-of-way, the utilities will be relocated at the utility owner's expense.

**Part 1**

**UTILITY COMPANIES WITHIN PROJECT LIMITS**

Bell South Telecommunications Mr. Robert Possehl 19386 Fort Dade Avenue Brooksville, Florida 34601	City of Brooksville (Sewer & Water) Mr. Emory Pierce 600 South Brooksville Avenue Brooksville, Florida 34601-3710
Constel Communications 7281 Sunshine Grove Road Brooksville, Florida 34613	Florida Power Corporation (Distribution) Mr. Richard Bixler, Jr. 515 Independence Highway Inverness, FL 34453
Florida Power Corporation (Transmission) Mr. Jorge Oviedo 3300 Exchange Place Lake Mary, Florida 32746	Florida Water Services Ms. Miranda Swindell P.O. Box 609520 Orlando, FL 32860-9520
Hernando County (Sewer & Water) Mr. Mark Morgan 21030 Cortez Boulevard Brooksville, Florida 34601	TECO/Peoples Gas Ms. Barbara Bowen 1800 Ninth Avenue North St. Petersburg, Florida 33713-7117
Time Warner Communications Mr. Mike Krasny 2850 S. Lecanto Highway Lecanto, Florida 34461	Withlacoochee River Electric Cooperative, Inc. Mr. Richard Whatley 10005 Cortez Boulevard Brooksville, Florida 34613

## Part 2

### DESCRIPTION OF UTILITIES

**Bell South Telecommunications** – owns and operates both aerial and buried fiber optic cable systems within the Study corridor. The aerial lines are attached to the Florida Power Corporation and Withlacoochee River Electric Co-operative transmission/distribution poles on the north side of S.R. 50. The buried lines are located at the right-of-way line on both the north and south side of S.R. 50 with several copper line crossings within the Study area.

**City of Brooksville (Sewer)** – owns and operates a 16-inch force main along the north side of S.R. 50 that extends northward from the northeast corner of the west intersection of S.R. 50/S.R. 50A, which reduces to a 12-inch force main at the northeast corner of the intersection that terminates at the City of Brooksville Substation, west of Broad Street (U.S. 41). A 16-inch force main extends along the north side of S.R. 50 [along the Brooksville Bypass] from the City of Brooksville Substation eastward to east of Mitchell Road/Main Street (C.R. 445), where the 16-inch force main turns and continues northward. At this point, the 16-inch force main reduces to a 6-inch force main that is retained until just west of Emerson Road (C.R. 581), where it crosses S.R. 50 [along the Brooksville Bypass] and proceeds along the west side of Emerson Road (C.R. 581). In addition, an 8-inch sanitary sewer line extends along the north side of S.R. 50 [along the Brooksville Bypass] from the City of Brooksville Substation to Sabra Drive. There are 8-inch sanitary sewer lines located along the west side of June Avenue, Don Jr. Avenue, Arnold Ave. and Sabra Drive. Two 6-inch force mains are located along the west side of Main Street (C.R. 445).

**City of Brooksville (Water)** – A 12-inch water main is located on the south side of S.R.50 from Whitfield Avenue to the east intersection of S.R.50/S.R.50A [along the Brooksville Bypass] with the exception of two isolated areas. This 12-inch water main extends around the east S.R. 50/S.R. 50A intersection, which crosses S.R. 50 (U.S. 98) and extends along the east side of the roadway. There is an additional 12-inch water main on the north side of S.R. 50 [along the Brooksville Bypass] from east of Horse Lake Road to Broad Street (U.S. 41) that reduces to a 10-inch water main and extends eastward for approximately 425 feet. Cobb Road (C.R. 485) has a 12-inch water main along its east side, which extends around the intersection along the north side of S.R. 50A (West Jefferson Avenue). There is a 12-inch water main along the south side of Whitfield Avenue, and a 6-inch water main along the east side of Candlelight Boulevard. In addition, there is a 12-inch and 10-inch water main along the west and east side of the north leg of Broad Street (U.S. 41), respectively. June Avenue and Don Jr. Avenue have a 6-inch water main on the east side of the roadway. There is an 8-inch water main that extends along the east side of Ray Browning Road as well as a 14-inch water main along the west side of Hope Hill Road. A 10-inch water main extends along the west side of the south leg of Emerson Road. In addition, there are also multiple service connections within the limits of the Study.

**Constel Cable** - upon initial contact on November 2, 2001, Constel Cable indicated that they owned and operated both aerial and buried facilities within the Study corridor. Aerial facilities are located on both the north and south sides of S.R. 50 between U.S. 19 (S.R. 55) and California Street. In addition, both aerial and buried facilities are located along S.R. 50 between Barclay Avenue and Sunshine Grove Road.

**Florida Power Corporation (Distribution)** – There is a 7.2 KV, single-phase, overhead, 1/0 conductor distribution facility along the south side of S.R. 50 (Cortez Boulevard) that extends from east of Lykes Dublin Road for approximately 4100 feet, where it changes to a 12.47 KV, three-phase, overhead 1/0 conductor distribution facility that extends to east of the S.R. 50/S.R. 50A intersection. There is an 12.47 KV, three-phase, overhead 1/0 conductor distribution facility located along the south side of S.R. 50 [along the Brooksville Bypass] that extends from north of the S.R. 50/S.R. 50A intersection for approximately 4400 feet, to east of Emerson Road (C.R. 581) where the distribution facility changes to a 336 conductor for approximately 1700 feet. This facility changes to a 795 conductor line and extends to west of Broad Street (U.S. 41), where it crosses to the north side of S.R. 50 [along the Brooksville Bypass] and extends along the west side of the north leg of the Broad Street (U.S. 41) intersection. There is a 12.47 KV, three-phase, underground 1000 MCM conductor along the west and south leg of the Broad Street (U.S. 41) intersection. The 12.47 KV, three-phase, overhead, 795 conductor distribution facility extends along the south side of S.R. 50 [along the Brooksville Bypass] from Broad Street (U.S. 41) to east of Emerson Road (C.R. 581), where it crosses S.R. 50 [along the Brooksville Bypass] and proceeds northward along the east side of Emerson Road (C.R. 581). There are multiple service connections within the limits of the Study

**Florida Power Corporation (Transmission)** – has aerial facilities within the Study corridor; however, their transmission facilities are limited to four crossings at two locations. The first crossing consists of a 115 KV that crosses S.R. 50 (approximately 2120 feet east of Nightwalker Road/July Avenue), which is part of their Brookridge-Brooksville West transmission line. They also currently operate their Weeki Wachee substation at this location on the south side of S.R. 50 that provides power to the surrounding community. The second location is at the intersection of S.R. 50 and Twin Dolphin Drive/Sunshine Grove Road, which consists of a 115, 230 and 500 KV transmission line that are part of their Brooksville West, Crystal River/Curlew and Crystal River to Lake Tarpon transmission lines, respectively.

**Florida Water Services** – owns and operates approximately 750 feet of water main along the S.R. 50 corridor between U.S. 19 (S.R. 55) and Deltona Boulevard. There is a 6-inch water main located on the south side of S.R. 50 that extends from the southwest corner of Deltona Boulevard westward for approximately 590 feet with two service connections for the H&R Block Financial Services and Circle K. An 8-inch water main extends along the west side of Deltona Boulevard, as well as an 8-inch water main service connection that extends underneath Deltona Boulevard from the existing water main on the southwest corner to the vacant parcel on the southeast corner. In addition, a 6-inch water main exists along the west side of Mariner Boulevard (C.R. 587) that interconnects with Hernando County's water main along S.R. 50.

**Hernando County (Sewer)** – has a 8-inch sanitary force main located along the south side of S.R. 50, which extends south of S.R. 50 along U.S. 19 (S.R. 55) and terminates on the east side of Deltona Boulevard. This 8-inch sanitary force main also extends along the west side of U.S. 19 (S.R. 55) for approximately 1850 feet. In addition, there is a 10-inch sanitary force main that extends along the west side of U.S. 19 (S.R. 55) from south of S.R. 50 to approximately 550-feet north of the intersection. There is a 6-inch and 8-inch sanitary force main along the north side of S.R. 50 in the vicinity of Eagle Drive and Weeping Willow Street, respectively. An 8-inch sanitary force main extends along the north side of S.R. 50 from Mariner Boulevard (C.R. 587) to west of Chamboro Street. A 4-inch sanitary force main extends along the south side of S.R. 50 from the east side of Barclay Avenue/Brookridge Central Boulevard to the west side of Grove Road, and a 6-inch sanitary force main extends along the north side of S.R. 50 from the east side of Grove Road to east of the North Suncoast Parkway (S.R. 589). An additional 6-inch sanitary force main is located along the north side of

S.R. 50 from the east side of Winter Street to west of B.W. Stevenson Road, which parallels a 8-inch sanitary force main for the last 250-feet. There is a 4-inch sanitary force main along the south side of S.R. 50 [along the Brooksville Bypass] from west of Clinton Boulevard to west of Buck Hope Road. It should be noted that there are multiple service connections located along S.R. 50 as well as side streets within the limits of the project corridor.

**Hernando County (Water)** – A 12-inch water main is located along the south side of C.R. 550. U.S. 19 (S.R. 55) has a 10-inch water main located along the west side. There is a 20-inch water main located on the south side of S.R. 50 that extends from U.S. 19 (S.R. 55) to east of July Avenue (Nightwalker Road) as well as a 12-inch water main along the north side of S.R. 50 from U.S. 19 (S.R. 55) to the west side of Blackbird Avenue. In addition, a 10-inch water main exists along the north side of S.R. 50 from the west side of Blackbird Avenue to west of Hunt Lane. A 14-inch water main is located along the south side of S.R. 50, which extends from 650 feet east of July Avenue (Nightwalker Road) to west of Hunt Lane. There is a 12-inch water main along the north side of S.R. 50 from east of July Avenue (Nightwalker Road) to west of Hunt Lane that is paralleled by an additional 12-inch water main that extends from east of July Avenue (Nightwalker Road) to Summer Street. Likewise, a 14-inch water main extends from west of Hunt Lane to the west side of High Point Boulevard (Community Boulevard) along the north side of S.R. 50. An 8-inch water main is located along the south side of S.R. 50 from the west side of High Point Boulevard (Community Boulevard) to west of Evergreen Woods Trail. In addition, a 10-inch water main is located along the south side of S.R. 50 from west of Barclay Avenue (Brookridge Central Boulevard) to the west side of Grove Road, which expands to a 12-inch water main at this point and extends southward to the west side of Wiscon Road (C.R. 570). There is also a 12-inch water main located along the north side of S.R. 50 from the east side of Winter Street to west of B.W. Stevenson Road, and an 8-inch water main on the south side of S.R. 50 that extends from east of Winter Street for approximately 225 feet. In addition, there are multiple service connections within the limits of the project.

**TECO/Peoples Gas** – owns and operates both 4-inch and 6-inch buried natural gas mains within the existing roadway right-of-way as well as several crossings with the project corridor. These facilities extend along the south side of S.R. 50 from U.S. 19 (S.R. 55) to the west side of Wiscon Road (C.R. 570) and continue along the south side of Wiscon Road (C.R. 570). There are also facilities located along the south side of S.R. 50 from the east-side of Broad Street (U.S. 41) that extends eastward for approximately 830 feet, and from the east side of Barnett Road to east of Mitchell Road/Main Street (C.R. 445). In addition, there are buried natural gas mains along the following side streets:

- East side of the north and south leg of Mariner Boulevard (C.R. 587)
- West side of the south leg of Barclay Avenue/Brookridge Central Boulevard
- East side of the north leg of Broad Street (U.S. 41)
- North side of Barnett Road
- East side of Arnold Avenue
- East side of the north leg of Mitchell Road/Main Street (C.R. 445)

**Time Warner Communications** – owns and operates co-ax and fiber optic lines on both sides of S.R. 50, which are both buried and aerial.

**Withlacoochee River Electric Cooperative, Inc.** – has aerial power distribution (15 KV) and transmission (115 KV) facilities on the north and south sides of S.R. 50 from U.S. 19 (S.R. 55) to east of Lykes Dublin Road and from U.S. 19 (S.R. 55) to approximately 2000 feet east of Nightwalker Road/July Avenue, respectively. Although the location of these facilities varies, they are predominately located within a few feet of the right-of-way on both the north and south side of the roadway. There are two locations with underground lines within the Study corridor, which are located on both the north and south side of the roadway at the Suncoast Pedestrian Trail and the Suncoast Parkway (S.R. 589). In addition, there are seven crossings along the Study corridor, east of the Suncoast Parkway (S.R. 589); and a substation is located along S.R. 50, just west of the Florida Power Substation, approximately 2000 feet east of Nightwalker Road/July Avenue.

### Part 3

#### UTILITY IMPACTS

The utility relocation costs that were provided by the utility companies are summarized below. Since these utilities are located within the existing FDOT right-of-way, the utilities will be relocated at the utility owner's expense.

Utility Company	Cost of Utility Relocation
Florida Power and Light Corporation (Distribution)	\$513,850.00
Florida Water Services	\$80,000.00
TECO (Peoples Gas)*	\$0.00

\*Note: Based on the utility information provided by TECO (Peoples Gas), it is interpreted in this Study that their natural gas lines are located in the vicinity of the 12-foot shared use path and will not require relocation.