



ATKINS

WEKIVA PARKWAY - Line & Grade

Utilities Summary Report - Section 8
State Road 429 / SR 46 Re-Alignment
Financial Project ID: 431081-4-32-01
Seminole County

July 2012
Updated: March 2016

BRIEF PROJECT DESCRIPTION

The proposed Wekiva Parkway project consists of the roadway construction of State Road 429 and State Road 46 re-alignment, a 4-lane limited access toll road extending through Orange, Lake and Seminole Counties.

The Department is currently preparing the line & grade plans for the overall Wekiva Parkway. The concept design is divided into sections with the intent that they will be packaged, advertised, designed and constructed in a similar manner. For purposes of this Utilities Summary Report, the information provided herein pertains to Section 8 for the proposed improvements for SR 429 in Seminole County from just east of Orange Boulevard to 0.43 miles east of Rinehart Road, including interchange improvements at International Parkway and Interstate 4.

In conjunction with the preparation of the line & grade plans by Atkins North America, WBQ Design & Engineering, Inc. (WBQ) and Lochrane Consulting Civil Engineers completed preliminary utility coordination contacts in 2012 to communicate with all utility agency/owners within project limits. This effort was to establish the disposition of the utility facilities within the project corridor to facilitate future coordination efforts that will be completed by the selected final design firm for this section. However, in 2016, design updates were initiated for the line & grade plans. As a result, WBQ was commissioned to conduct additional utility coordination contacts in order to update the Utility Summary Report for Section 8 in consideration of the plan changes.

PURPOSE

The purpose of this Utility Summary is to:

1. Identify utility agency/owners within the project limits.
2. Describe approximate locations and types of all utility facilities within the project limits.
3. Identify how utility facilities exist within the project limits.

UTILITY COORDINATION

A Sunshine State One Call of Florida utility design ticket was obtained for this section to ascertain the initial list of utility agency/owners within study area. On February 5, 2016, WBQ distributed updated utility coordination packages to all of the identified utility agency/owners. The packages were distributed by email transmission and included a PDF copy of the original Utility Summary Report, dated July 2012, and a set of the most recent plans entitled “Wekiva Parkway Section 8, 15% Line & Grade Draft Update”, dated February 3, 2016. Each utility agency/owner was asked to submit “green-line” mark ups, equivalent utility sketches or system maps depicting the approximate location of their facilities for informational purposes and to provide edit remarks to the Utility Summary Report to reflect any new, changed or upgraded utility facilities each agency may have completed since 2012. The utility agencies/owners contacted for this report update are summarized in **Table 1**.

This report does not identify or address any facilities or equipment for the Intelligent Transportation Systems (ITS), traffic operations systems, lighting, or tolling for the Florida Department of Transportation, the Central Florida Expressway Authority, Seminole County, Florida or any local municipalities.

EXISTING UTILITIES

The information provided by the utility agency/owners indicates that facilities are present longitudinally and crossing the proposed Section 8 of the Wekiva Parkway. The types of utilities identified are, telecommunications (telephone, cable television, cable internet, traffic signal interconnections), electric transmission and distribution, water and wastewater systems, reclaimed water systems, natural gas distribution.

TABLE 1 - EXISTING UTILITY AGENCY/OWNERS CONTACTED

Section 8			
UTILITY AGENCY/OWNER		UTILTY TYPE	CONTACT INFORMATION
1	AT&T Florida	Telephone	Alan Reynolds (Kevin Stanaland – PEA, Inc.) ar2916@att.com 407-351-8180
2	AT&T Corporation	Long Distance Telephone	Stefan Eriksson – PEA, Inc. seriksson@pea-inc.net 407-578-8000
3	Bright House Networks, LLC	Cable TV	Michael Dyleski mike.dyleski@mybriighthouse.com 407-532-8587
4	City of Sanford, Florida	Water, Wastewater, Reclaimed Water	Richard Blake blakerl@sanforfl.gov 407-688-5101
5	Comcast Communications	Cable TV	Scott Osebold scott_osebold@cable.comcast.com 352-315-8527
6	Florida Cable Television	Cable TV	Larry English lenglish@floridacable.com (352) 759-2788
7	Florida Gas Transmission	High Pressure Gas Transmission	Joseph Sanchez joseph.e.sanchez@sug.com 407-838-7171
8	Florida Power & Light	Electric (Distribution)	Marianne Dillard marianne.dillard@fpl.com 407-328-1922
9	Florida Power & Light	Electric (Transmission)	Gary Peterson gary.n.peterson@fpl.com 561-904-3665
10	Florida Public Utilities	Natural Gas Distribution	Andy Lawton – Magnolia River andy.lawton@magnolia-river.com 256-773-9420
11	Duke Energy of Florida	Electric (Transmission)	Edward Burkot – Duke Energy edward.burkot@duke-energy.com (407) 942-9453 (Scott VanVelzor – UC Synergetic) svanvelzor@ucseng.com
12	Seminole County Environmental Services	Water, Wastewater & Reclaimed Water	James Monahan jmonahan02@seminolecountyfl.gov 407-665-2021
13	Seminole County Traffic	Fiber	Charles Wetzel cwetzel@seminolecountyfl.gov 407-665-5686

A. DESCRIPTION OF EXISTING UTILITIES

1. AT&T Florida

AT&T Florida has local telecommunications facilities in Section 8 consisting of various underground and aerial cables throughout the project corridor. Beginning at the western limits of project, AT&T has a buried 72 count fiber optic cable and a buried 400-pair copper cable, together with an aerial 216 count fiber optic cable and a 432 count fiber optic cable attached to a Florida Power & Light (FPL) pole line along the east side of Orange Boulevard. The aerial cable will have to be placed underground and will be relocated as a dependent activity to any relocation work conducted by FPL in this area. The buried cables may require relocation or adjustment should they be in conflict with bridge piers or MSW walls at the bridge crossing over Orange Boulevard. AT&T also has one buried 50-pair and one 100-pair copper cables along the south side of Wilson Road that crosses the proposed alignment of SR 429. The 100-pair copper cable stops at Metz Avenue where it turns south and continues as a buried 25-pair copper cable along the west side of the roadway. The 50-pair copper cable continues east of Metz Avenue along Wilson Road. There are no AT&T Florida facilities along International Parkway within the project limits or in the area between International Parkway and Interstate 4. Along the west side of Towne Center Boulevard, north of SR 417, AT&T has two buried 4-inch PVC conduits, together with buried 48 count and 24 count fiber optic cables. These conduits and cables terminate in a manhole just north of the SR 417 Bridge over Towne Center Boulevard. From this manhole, the two 4-inch ducts and a buried 96 count fiber optic cable continue south beyond the project limits. A buried 600-pair copper cable is located along the east side of Rinehart Road through the limits of the SR 417 bridge crossing and becomes aerial again on both sides of the bridge. The cables along both Towne Center Boulevard and Rinehart Road may have to be relocated or adjusted should they be in conflict with proposed bridge piers or MSE walls for the bridge widening. On the south side of CR 46A at Interstate 4, AT&T has a manhole on both sides of the interstate connected with two 4-inch PVC conduits.

All of the AT&T Florida facilities are located in roadway right-of-way and not within dedicated easements. However, AT&T has indicated they intend to seek reimbursement for relocations and/or adjustments required to facilitate the roadway construction.

2. AT&T Corporation (Long Distance) / AT&T Florida

AT&T Corporation formerly had a duct consisting of two 2-inch HDPE conduit that crosses SR 417 in a north-south direction at the easternmost limits of Section 8. The duct enters the limited access right-of-way from the Soap Box Derby track just south of SR 417, runs north and then turns east where it continues east beyond the project limits along north limited access right-of-way of SR 417. However, subsequent to 2012, AT&T Corporation transferred this asset to AT&T Florida. Therefore, AT&T Corporation no longer has any involvement in the Wekiva Parkway Section 8 project.

3. Bright House Networks, LLC

Bright House Networks has overhead CATV cable attached to a Florida Power & Light (FPL) pole line along the east side Orange Boulevard at the western limits of Section 8. There are also overhead cables attached to FPL poles that branch off of the pole line on Orange Boulevard and runs east along the south side of Paseo Place. This cable terminates just inside of the limited

access right-of-way for the proposed SR 429 alignment at the northeast corner of Parcel 1865. Another segment of overhead cable is located along the south side of Wilson Road and crosses the proposed alignment of SR 429. There are several overhead and one underground branch connections from this cable that provide service to residential properties within and adjacent to the proposed roadway corridor that must be re-routed or eliminated to accommodate construction. Bright House Networks has underground cables located along the east side of International Parkway through the limits of the proposed interchange improvements and along the east side of Rinehart Road. These cables may require relocation should they conflict with proposed bridge piers or MSE walls for the proposed bridge widening.

Bright House Networks will relocate the cables as required as a dependent activity to FPL since a number of the power poles in this section will have to be removed and the lines placed underground to accommodate construction. Since their facilities are located within the existing road right-of-way, Bright House Networks will not seek reimbursement for the utility relocation work.

4. City of Sanford, Florida

The City of Sanford Utilities Department operates an 8-inch water main and an 8-inch reclaimed water main along the west side of Towne Center Boulevard that crosses under the SR 417 bridges. The City also has an 8-inch wastewater force main along the east side of Rinehart Road that also crosses under the bridges for SR 417. Since the City of Sanford water and wastewater facilities are located in City owned road right-of-way, they plan to seek reimbursement for any relocation or adjustment work that is required for construction.

5. Comcast Communications

Comcast has an underground fiber optic cable along the north side of the existing SR 46 alignment from Orange Boulevard east to North Oregon Street, which is not included as part of the work in Section 8. This utility provider does not have any customers in Seminole County and the underground fiber optic cable is a main signal feed from Lake County to their service territory in the City of Debarry. Should any relocation work be required in the western limits of this Section near Orange Boulevard, Comcast will complete the work required to accommodate construction and does not intend to seek reimbursement.

6. Florida Cable Television

Florida Cable Television, Inc. was contacted but did not respond to the original line & grade utility coordination effort or the plans update utility coordination contact. Since there is no apparent physical or documentary evidence to the contrary, for the purpose of this study, it is assumed this utility owner does not have any facilities in Section 8.

7. Florida Gas Transmission

Florida Gas Transmission has no facilities within the limits of Section 8.

8. Florida Power & Light (electric distribution)

Florida Power & Light (FPL) has 13kV aerial distribution lines along the east side Orange Boulevard at the western limits of Section 8. There is also a 13kV aerial pole line that branches off of Orange Boulevard and runs east along the south side of Paseo Place and terminates just inside of the limited access right-of-way for the proposed SR 429 alignment at the northeast corner of Parcel 1865. Another segment of 13kV aerial distribution lines located along the south side of Wilson Road crosses the proposed alignment of SR 429 in an east-west direction at mainline Sta. 1141+00 ±. There are several overhead branch connections that provide service to residential properties within and adjacent to the proposed roadway corridor that must be placed underground, re-routed or eliminated to accommodate construction. Overhead service connections also run along the rear lot lines of several residential properties that front on Wilson Road that will conflict with Ramp “GG” and Pond SJ2-S2 in the northwest quadrant of the proposed interchange improvements at International Parkway. These service connections will also have to be re-routed or eliminated to facilitate construction. FPL also has 13kV aerial distribution lines along the east side of International Parkway through the limits of the proposed interchange improvements that must be placed underground to accommodate bridge construction at the interchange. There is a underground 13kV distribution duct along the west side of Towne Center Boulevard and another along the east side of Rinehart Road within the limits of the SR 417 limited access right-of-way that may require relocation or adjustment should they conflict with proposed bridge piers or MSE walls in those areas. An underground 13kV distribution duct crosses under Interstate 4 from the Wilson Road right-of-way on the west side of the highway to Town Center Circle on the east side approximately at I-4 Eastbound Baseline Sta. 1094+55. There is also a 13kV underground distribution line crossing Interstate 4 on the south side of SR 46 just south of the project limits at approximately I-4 Eastbound Baseline Sta. 1134+15.

Some of the service connections to private property are located within recorded easements and FPL will be seeking reimbursement to relocate the lines that are in conflict with the roadway construction. FPL will not seek reimbursement for any relocation work required for the pole lines or underground cables located in roadway right-of-way.

As previously stated, Bright House Networks has aerial cables attached to the FPL distribution poles within Section 8 that will be relocated as a dependent activity to any power poles that must be relocated or removed.

9. Florida Power & Light (electric transmission)

Florida Power & Light has a 230kV electric transmission pole line with three conductors that crosses over SR 417 in a north to south direction within an easement at mainline Sta. 2192+00 ±. These lines should not be in conflict with the proposed construction activities; however, if any relocation or adjustment work is required, FPL has indicated they will seek reimbursement.

10. Florida Public Utilities

Florida Public Utilities has a 4-inch polyethylene gas main running north and south along the west side of Towne Center Boulevard that crosses under the proposed SR 417 bridge improvements. There is also a 6-inch steel gas main along the south side of CR 46A crossing under Interstate 4, including the southbound on ramp and the northbound off ramp at CR 46A.

A 2-inch polyethylene gas main enters the Interstate 4 limited access right-of-way from the east where Ramp MM3 crosses over Ramp NN1 (Ramp MM3 Sta. 23+00 ±) and turns northerly, running in the grass area between the two ramps. At Ramp MM3 Sta. 46+00 ±, the 2-inch gas main turns easterly and exits the limited access right-of-way. Florida Public Utilities also has a 4-inch steel gas main on the north side of SR 46 that crosses under Interstate 4.

These gas mains are located within public road-right-of-way and Florida Public Utilities does not intend to seek reimbursement for any relocation work required to accommodate construction.

11. Duke Energy of Florida (electric transmission)

There are two 230 kV overhead transmission pole lines within a 200 foot wide easement that is parallel to and east of Interstate 4 within Section 8. The westernmost pole line has three conductors and crosses SR 417 at approximately Sta. 1188+80 and the easternmost pole line has six conductors and crosses SR 417 at approximately Sta. 1189+80. Both pole lines also cross over Ramps LL-3, MM2, MM3, NN1 and NN-2 located in the northeast and southeast quadrants of the SR 417 and Interstate 4 interchange. There is also a 230kV overhead transmission line with three conductors that crosses Interstate 4 at an angle in a north-south direction from a pole located approximately at I-4 Eastbound Baseline Sta. 1120+18, 145 feet right to another pole located approximately at I-4 Eastbound Baseline Sta. 1129+00, 278 feet left. This transmission line is within a 100 foot wide easement.

It is not anticipated that any relocation or adjustment of these facilities will be required for this project; however, if any adjustments becomes necessary, Duke Energy of Florida has indicated they will seek reimbursement.

12. Seminole County Environmental Services

Seminole County Environmental Services has an 8" water main (WM) running east and west along the north side of Wilson Road crossing under the proposed SR 429 bridge at approximately Sta. 1140+30.

There is a 24-inch WM on the east side of Orange Boulevard and a 24-inch reclaimed WM on the west side of Orange Boulevard.

There is a 12-inch WM and a 6-inch reclaimed WM running east and west along a dead end road known as Paseo Place. The 12-inch WM extends onto private property at the eastern terminus of Paseo Place and traverses north within an easement through Lot 3 of the Ligonier Ministries property where it connects to an 8-inch WM on the east side of Ligonier Court. The 6-inch reclaimed WM ends at the eastern terminus of Paseo Place. The easternmost portions of these facilities are within the proposed SR 429 alignment. A private lift station located on the aforementioned Lot 3 and a 4-inch wastewater force main along Paseo Place owned by Ligonier Ministries will also be impacted by the SR 429 project.

There is a 20-inch WM running north and south along the east side of International Parkway that crosses under the proposed SR 429 bridges.

There is a 2-inch WM that runs east and west crossing International Parkway at the proposed Ramp JJ of the proposed interchange with SR 429.

There is a 10-inch WM that runs east and west crossing International Parkway at approximately Sta. 107+75.

There is a 30-inch WM that runs west crossing International Parkway at approximately Sta. 100+15.

Seminole County has a 15-inch gravity wastewater pipe line along the center of International Parkway that crosses under the proposed SR 429 bridges, from Pebble Ridge Lane going north to Sta. 123+42. There is also a 12-inch gravity wastewater pipe line coming from the south in the center of International Parkway that discharges into a pump station on the east side of the roadway at Sta. 103+00.

There is a 12-inch wastewater force main (FM) that connects from a manhole of the 15-inch gravity line from Pebble Ridge Lane going south along the center of International Parkway and connecting to the pump station on the east side. This line also continues south as a 20-inch FM along the east side of International Parkway to Sta. 100+00. This line also connects into a 16-inch FM that runs east and west within a Seminole County easement.

There is a 16-inch FM that runs along the west side of Rinehart Road that connects to a 16-inch FM crossing Interstate 4 from the east to west at approximately Sta. 1054+90. It then continues running northwesterly along the curve (LL-1) of the SR 417 off ramp to I-4 southbound. This line connects to the aforementioned 16-inch FM that runs east and west in the Seminole County easement that connects to International Parkway. Since the Seminole County water and wastewater facilities are located in Seminole County road right-of-way and/or dedicated easements, the County has indicated they intend to seek reimbursement for any relocation or adjustment work that is required for construction.

13. Seminole County Traffic Engineering

Seminole County Traffic has a 2-inch fiber optic cable running along International Parkway on the east side going south from Sta.123+42.42 to Sta. 100+00. They also have a fiber optic cable running north and south along the east side of Rinehart Road that crosses under the SR 417 bridge. Should any relocation or adjustment work be required to accommodate construction, Seminole County intends to seek reimbursement since the fiber optic cables are located in County or City of Sanford owned right-of-way.

Table 2 on the following page of this report summarizes the disposition of utility facilities located within the project limits, the property rights for how they are located and if relocation or adjustment to each utility is anticipated to accommodate construction.

TABLE 2 – DISPOSITION OF CONTACTED UTILITIES – SECTION 8

UTILITY AGENCY / OWNER	UTILITY TYPE	LOCATED IN:	RELOCATION? Y/N
AT&T Florida	Telephone	Road Right-of-Way	Yes
AT&T Corporation	Long Distance Telephone	No Facilities	No
Bright House Networks, LLC	Cable TV	Road Right-of-Way	Yes
City of Sanford, Florida	Water, Wastewater, Reclaimed Water	Road Right-of-Way	No
Comcast Communications	Cable TV	Road Right-of-Way	No
Florida Cable Television	Cable TV	No Facilities	N/A
Florida Gas Transmission	High Pressure Gas Transmission	No Facilities	N/A
Florida Power & Light	Electric (Distribution)	Road Right-of-Way	Yes
Florida Power & Light	Electric (Transmission)	Easement	No
Florida Public Utilities	Natural Gas Distribution	Road Right-of-Way	Yes
Duke Energy of Florida	Electric (Transmission)	Easements	No
Seminole County Environmental Services	Water, Wastewater & Reclaimed Water	County/City Road Right-of-Way	Yes
Seminole County Traffic	Fiber	Road Right-of-Way	Yes

End of Report