



Figure 1-1; Study Corridor

2.0 DATA COLLECTION

A field visit was performed to review existing conditions along the corridor and to identify potential issues that may impact the proposed improvements. Pictures of the field visit are located in Appendix A. Findings of the field visit are summarized in the following subsections. A base map, shown in Figure 2-1, was prepared to show the location of key points referenced throughout this report.

2.1 West Segment

The West Segment of the corridor begins at Davie Road and ends at the Florida Turnpike. Existing Right-of-Way (R/W) width in this segment varies from 20-ft near Davie Road to 70-ft near the Turnpike. Oakes Road is nonexistent in this segment. There is a local private road nearby that is signed as SW 36th Street. The local private road is not on public R/W and is used by Ferncrest Village and Everglades Lake Community to maintain their internal circulation. A picture of the local private road is shown in Figure 2-2.





Figure 2-1; Base Map





Figure 2-2; Local Private Road, Oakes Road R/W on Other Side of Fence

Most of the R/W dedicated for the West Segment of Oakes Road is currently being used by Tindall Hammock Irrigation & Soil Conservation District (THISCD) and Central Broward Drainage District (CBDD) to convey stormwater runoff east. Swales, shallow ditches, pipe culverts, and deep canals are components of the THISCD and CBDD runoff conveyance system located within the Town's existing R/W. Near Davie Road, encroachments into the R/W have taken place by the neighboring community of Ferns Crest, as shown in Figure 2-3. In addition, there is a concrete culvert running along the Oakes Road R/W for a distance of about 900-ft. This culvert and the R/W encroachment terminate when the shallow ditch begins, as shown in Figure 2-4. Runoff from the culvert is conveyed through a drainage ditch that runs within the R/W for about 1500-ft and reaches a depth of about 5-ft with a width of approximately 15-ft, as shown in Figure 2-5. The drainage ditch is connected to a THISCD retention area, as shown in Figure 2-6. Discharge from the THISCD retention area continues east through a concrete culvert running along the R/W before outfalling into a deep canal, as shown in Figure 2-7. The canal runs approximately 1770-ft up to the Turnpike where it then turns south and runs alongside the Turnpike before discharging into the C-11 Canal.



Figure 2-3; Encroachment into the Town's R/W, near Davie Road



Figure 2-4; End of R/W Encroachment, Beginning of Shallow Ditch within R/W.



Figure 2-5; Typical Dry Ditch Segment within R/W.



Figure 2-6; CBDD/THISCD Retention Area within R/W



Figure 2-7; CBDD/THISCD Deep Canal within Oakes Road R/W

2.2 Bridge Segment

The Bridge Segment begins and ends on the west and east side of the Turnpike, respectively. A permit from the Florida Turnpike Enterprise (FTE) will be required for this crossing. In addition, close coordination with Florida Power and Light (FPL) and Florida Gas Transmission (FGT) will be required since they both have facilities near the proposed crossing location. Facilities for FPL consist of transmission lines crossing the Turnpike, as shown in Figure 2-8. A FGT gas valve pit is located on the eastern side of the Turnpike, near the proposed crossing, as shown in Figure 2-9.



Figure 2-8; Overhead Transmission Lines at Proposed Bridge Crossing Location



Figure 2-9; Florida Gas Transmission Gas Valve Pit on East Side of Turnpike

2.3 East Segment

The East Segment begins on the east side of the Turnpike and ends at State Road 7. Oakes Road is developed in this segment, although the cross-section is inconsistent throughout. The posted speed limit is 30 miles per hour. The stretch from the Turnpike to SW 47th Avenue is approximately 1,600-ft long and has three lanes (1 lane each way and a two way left turn lane), as shown in Figure 2-10. A gas substation, owned by Peoples Gas, is located alongside this segment of the corridor, as shown in Figure 2-11. The stretch from SW 47th Avenue to Burriss Road is approximately 520-ft long and has four lanes (2 lanes east bound, 1 lane west bound and a two way left turn lane), as shown in Figure 2-12. The stretch from Burriss Road to State Road 7 is approximately 1,580-ft long and consists of a five lane curb & gutter roadway (2 lanes each way and a two way left turn lane), as shown in Figure 2-13. This segment of Oakes Road connects to State Road 7 with a signalized intersection as shown in Figure 2-14.



Figure 2-10; Oakes Road: 3-Lane Roadway, 1 Each Way & Two Way Left Turn Lane



Figure 2-11; Peoples Gas Substation Adjacent to Study Corridor



Figure 2-12; Oakes Road: 4-Lane Roadway, 2 EB, 1 WB, & Two Way Left Turn Lane



Figure 2-13; Oakes Road: 5-Lane Roadway, 2 Each Way, & Two Way Left Turn Lane



Figure 2-14; Oakes Road Signalized Intersection at SR-7

