

7.0 ENGINEER’S OPINION OF PROBABLE COST

A preliminary construction cost estimate, shown in Table 7-1, was prepared for the study corridor. It is based on information obtained from the Florida Department of Transportation (FDOT). See Appendix D for basis of estimate. The following items were not explicitly listed in the cost estimate.

- Right-of-way Acquisition
 - It is anticipated that the required right-of-way will be donated to the Town.
- Access Management Associated Costs
 - Impacts of access management have not been quantified. As such, the contingency amount was increased by 5%.
- Relocation and or redesign of THISCD/CBDD regional drainage systems within Oakes Road right-of-way.
 - Impacts to the regional drainage system, from this project, have not been quantified. As such, the contingency amount was increased by 5%. Current preliminary design assumes the regional drainage system within Oakes Road can be culverted.

Table 7-1; Preliminary Construction Cost Estimate

ID	ITEM	UNIT	QTY	COST/UNIT	COST/ITEM
1	New Const., Divided 4 Lane Urban with 4-ft B-Lanes & 5-ft S-Walks	LF	5,907	1,708.00	10,089,156.00
2	Widen Exist. 2 Lane to 4 Lane Urban with 4-ft B-Lanes & 5-ft S-Walks	LF	1,300	1,542.00	2,004,600.00
3	Add 4-ft Bike Lanes, 5-ft Sidewalks, and Mill & Resurface to harmonize	LF	1,580	536.00	846,880.00
4	Overpass Bridge (314x90' deck)	SF	28,260	160.00	4,521,600.00
5	Two 845-ft x 90-ft MSE Bridge Approaches	SF	51,425	34.00	1,748,450.00
6	FPL Transmission Pole Relocation	EA	4	350,000.00	1,400,000.00
7	Florida Gas Valve Pit Relocation	EA	1	3,000,000.00	3,000,000.00
8	Peoples Gas Substation Relocation	EA	1	1,500,000.00	1,500,000.00
	SUBTOTAL				25,110,686.00
9	Contingency includes 5% Drainage and 5% Access Management	EA	1	30%	7,533,206.00
10	Engineering Design and Construction Engineering Inspections	EA	1	20%	8,160,973.00
	TOTAL				40,804,900.00



7.1 Needs Assessment Summary

Under present conditions, Oakes Road begins adjacent to the Florida Turnpike and runs east to connect with State Road 7. The proposed project would extend Oakes Road over the Turnpike creating an east-west connector roadway linking Davie Road and State Road 7. The connection would provide a vital link to the east and central portions of the Regional Activity Center (RAC), designated by the Town. In addition, the Oaks Road extension would benefit redevelopment of the State Road 7 corridor as it would provide access to the South Florida Educational Complex (SFEC). Surrounding major roads such as I-595, State Road 7, and Griffin Road would also benefit from the internal connectivity provided by the Oakes Road extension as it would reduce the use of these major roads for internal trips between the industrial and residential areas of the Town.

Trip generation near the study area is expected to increase by 35% as the RAC develops. The Oakes Road extension is envisioned as a multi-modal street capable of serving pedestrians, bicycles, and transit. The proposed typical section consists of a 4 lane urban collector (2 lanes each way) with a divided median and left turn bays, as required at the intersections.

The Oakes Road extension has been identified by both the Town of Davie Regional Activity Center Master Plan and the Davie/Hollywood/Seminole Nation Charrette. These two local studies were prepared with considerable input from the general public. In both cases, extending Oakes Road over the Turnpike and connecting it to Davie Road was recommended and described as having beneficial impacts to the surrounding area.



8.0 RECOMMENDATIONS

Due to the cost of this project and the potential for the use of county, state, federal, or private funds, a Project Development and Environment (PD&E) study will be required following the National Environmental Policy Act (NEPA) of 1969 and corresponding state law. If federal funds are utilized, then the documentation will require Federal Highway Administration (FHWA) approval. If local, state, or private funding is utilized, Florida state law requires the preparation of a State Environmental Impact Report (SEIR). The first step in being able to utilize public and/or private funds for a project is to have it placed on the Long Range Transportation Plan (LRTP). The Town of Davie should solicit the Broward County Metropolitan Planning Organization (MPO) for the inclusion of this project in the 2035 LRTP. Information contained in this study can be used to support the Town's request. However, additional planning level traffic and/or environmental studies may be required in support of the request for LRTP inclusion. An Action Plan, shown below, is provided to help guide the Town.

8.1 Action Plan

- Coordinate through the Broward County MPO concerning a request for an Analysis of Need by MPO staff.
 - The Town's MPO representative should request for an Analysis of Need by the MPO and request for the project to be placed on the TCC and CIR subcommittee agendas.
- Present Need to Technical Coordinating Committee (TCC)
 - The Town should present the Need for this project to the TCC, which is an MPO subcommittee.
- Present Need to Community Involvement Roundtable (CIR)
 - The Town should present the Need for this project to the CIR, which is an MPO subcommittee.
- Request amendment to add this project to the 2035 LRTP
 - Once the TCC and CIR have reviewed and concur with the project, the Town should present the need for this project to the MPO at their following meeting and request the inclusion of this project in the 2035 LRTP.

Please note that advanced coordination should be made with the MPO committee in order to get on the agendas.

