

INDIAN RIVER COUNTY, FLORIDA BOARD MEMORANDUM

TO: Jason E. Brown, County Administrator

FROM: Richard B. Szyrka, P.E., Public Works Director

SUBJECT: 58th Avenue (47th to 57th Street) Corridor Study / S.C.A.L.E. Report

DATE: December 20, 2019

DESCRIPTION AND CONDITIONS

In 2004, the Board of County Commissioners (Board) approved a Development of Regional Impact and accompanying Development Order with DiVosta, LLP for the construction of the Waterway Village project. The boundaries of Waterway Village are roughly 49th Street to the south, 53rd Street and the North Relief Canal to the north, 31st Avenue to the east and 58th Avenue to the west. As a result of the impact of the development, DiVosta is required to make certain roadway improvements, one of them being 58th Avenue. The Development Order requires DiVosta to expand 58th Avenue from 49th Street to 53rd Street from 2 to 4 lanes with a divided median. Later in 2018, DiVosta and the County amended the Development Order to require DiVosta to expand 58th Avenue to 4 lanes from 53rd Street to 57th Street, with the County paying for the cost of design and construction of the extended project.

Since the segment of 58th Avenue expansion from 49th Street to 53rd Street was 100% developer funded, the project did not need to be added to the Indian River County Long Range Transportation Plan. In 2018, a roadway configuration by Kimley-Horn and Associates was presented to the Board for this segment of 58th Avenue between 49th and 53rd Streets, which resulted in the Board approving the following typical sections for 58th Avenue:

Between 47th Street and 49th Street Typical Section #106+00 to 111+10.24 70 to 132-foot R.O.W.
(See Exhibit "A" attached)

Between 53rd Street and 57th Street Typical Section #111+10.24 to 175+80.00 130-foot R.O.W.
(See Exhibit "B" attached)

In October 2019, Kimley-Horn completed 90% design drawings and their contract was amended to include a corridor study / S.C.A.L.E. report. The study evaluated five (5) factors in determining the most feasible roadway alignment. The five S.C.A.L.E. factors are as follows:

- Safety
- Cost
- Alternative Alignments
- Long Range Planning
- Environmental Considerations

The S.C.A.L.E. report evaluates the proposed transportation improvements on 58th Avenue between 47th and 53rd Street, which consists of the reconstruction of 58th Avenue from a two-lane undivided roadway to a four-lane divided roadway. The project also includes wider travel lanes, a median separator, a closed drainage system, continuous bicycle lanes adjacent to the roadway and continuous sidewalks that provide connectivity to nearby neighborhoods.

The study evaluated four (4) alternative alignments. The alignments are labeled as follows:

- No Build
- Alignment A - Left or West Side Widening
- Alignment B - Widening from the Center to the East and West
- Alignment C - Right or East Widening

The recommended alignment is Alignment C or the Right Side or East Widening. This alignment is depicted on Figures 4A and 4B in the report.

FUNDING

Funding is not necessary for approval of the S.C.A.L.E. Report, however funding for the report totaling \$15,970 is budgeted and available in account 10215241-066510-15013 Traffic Impact Fees/District II/Construction/58th Ave – 49th to 53rd.

RECOMMENDATION

Staff recommends that the Board approve the 58th Avenue Corridor Study / S.C.A.L.E. Report for the segment of 58th Avenue from 47th Street to north of 57th Street.

ATTACHMENTS

Corridor Study / S.C.A.L.E. Report
58th Avenue SCALE Exhibits

DISTRIBUTION

Brian Good, P.E., Kimley-Horn and Associates