

Project Fact Sheet

Background:

- The City of Steubenville, in conjunction with the Brooke-Hancock-Jefferson Metropolitan Planning Commission (BHJ), is undertaking this project to improve the intersection of Lovers Lane and Ft. Steuben Drive.
- The City has a history of ordinances and resolutions dating back to 1976 for improvements to Lovers Lane.
- The City initiated a Concept Study in 2008 of the Lovers Lane corridor. This study included the T-intersection of Lovers Lane and Fort Steuben Drive.
- The Brooke, Hancock, Jefferson Regional Transportation Plan 2035 (approved in 2012) and the ODOT FY 2014-2017 Transportation Improvement Program include funding for an improvement at this intersection in 2015.
- Current project builds upon concepts previously developed in the 2008 study.

Purpose: To improve traffic operation, geometrics, and pavement condition at the intersection of Lovers Lane and Fort Steuben Drive, while considering pedestrian accommodations and sensitive residential concerns. The need for the project is based on the following elements:

➤ Traffic Operation

- High percentage of southbound left-turning vehicles.
- Southbound left-turning vehicles delay southbound through movements which share the same travel lane, and also results in regular traffic delays for westbound left-turning vehicles that operate under stop control.
- Intersection experiences congestion at various times throughout the year resulting from the adjacent Commercial Area

➤ Geometrics

- Lanes are too narrow and do not meet current engineering standards (Lovers Lane: 8.5', Ft. Steuben Drive: 9.5').
- Turning radii do not meet current engineering standards and are too tight to effectively accommodate the turning movements of vehicles.

➤ Pavement Condition

- Lovers Lane exhibits severe pavement distress, including cracking, rutting, debonding, patches, etc. Curbs are severely deteriorated, with little or no curb reveal, or are no longer visible. Constructed in 1928, Lovers Lane pavement has far exceeded its useful life.
- Lovers Lane was last resurfaced in 2001. In 2011, the severity of pavement deterioration required the City to perform emergency pavement repairs.

➤ Warrant Analysis

- Intersection satisfies warrant criteria for a signal.
- Intersection satisfies warrant criteria for a left turn lane.

JEF-Lovers Lane / Ft. Steuben Drive
Intersection Improvement (PID 90234)
Public Open House Meeting, April 24, 2014

Project Limits: From just south of Lovers Lane/Teresa Drive intersection to proximity of Lovers Lane/Preston Road intersection. The project includes minimal approach work on Ft. Steuben Drive as needed to accommodate the intersection improvements.

Alternatives Being Considered:

- Traditional signalized intersection with the addition of a southbound left turn lane, with widening primarily on the east side of Lovers Lane.
- Modern roundabout.

Cost Estimate: Approximately \$1,000,000

Schedule: Construction is scheduled for the summer of 2016.