

Project Summary:

In 2017, the city of Oakwood will complete a joint project with the city of Kettering to upgrade Shroyer Road. This is a federally funded project planned through the Miami Valley Regional Planning Commission and the Ohio Department of Transportation. The Kettering portion of the project is from Stroop Road to the Kettering/Oakwood corporation line and is primarily an asphalt resurfacing job. The Oakwood portion of the project runs from the Kettering/Oakwood corporation line northbound to the Oakwood/Dayton corporation line, which is the entire 1.1 mile section of Shroyer Road in Oakwood. The Oakwood portion is an asphalt resurfacing job and a roadway change involving the *Road Diet* design concept. The vehicle lanes on Shroyer Road will be reduced from four to three. When completed, Shroyer Road will have:

- Single northbound and southbound through lanes in each direction;
- Exclusive left turn lanes at each cross street intersection;
- Five foot wide bike lanes on both sides of the street between the roadway and adjacent curb;
- A clear distance of approximately seven feet between the vehicle lanes and the existing sidewalk. The current clear distance is approximately two feet;
- 16 raised center medians with grass;
- Two mid-block pedestrian crossings. One crossing will be between Wonderly Avenue and Orchard Drive, and one will be between Telford Avenue and Aberdeen Avenue. Both crossings will be equipped with flashing beacon technology to alert motorists of pedestrian activity.
- A new and improved pedestrian/bikeway crossing at the north end of the project, between Dellwood Avenue in Oakwood and Gainsborough Road in Dayton. This will also be equipped with flashing beacon technology.

The project addresses safety concerns identified in a 2016 Shroyer Road Safety Study. The *Road Diet* concept will improve the safety performance of Shroyer Road for all transportation modes (e.g., vehicle, pedestrian, bicycle) by reducing all crash types.

Primary Problems with the existing Shroyer Road:

- High accident rates from:
 - Rear-end crashes
 - Angle crashes
 - Left turn crashes
 - Sideswipe crashes
- Lack of safe roadway crossings for pedestrians and cyclists.
- Limited clear distance space between existing sidewalks and vehicle lanes (approx. two feet).
- Excessive vehicle speeds.

Project Objectives:

- Reduce accidents.
- Slow traffic.
- Provide safer pedestrian sidewalks and roadway crossings.
- Improve bikeway crossing and provide bike lanes.
- Improve roadway streetscape.

The 2016 Shroyer Road Safety Study was a thorough traffic engineering study completed by CMT engineers. That study supports the *Road Diet* plan as the best way to address the city's objectives. An independent traffic engineering peer review by The Kleingers Group supports the plan. Oakwood also received letters of support for the project from the Oakwood City Schools, the city of Kettering and the city of Dayton.

Project Schedule:

- Design work is completed. Plans were prepared by the Kettering Engineering Department, in consultation with the city of Oakwood.
- Construction plans have been reviewed and approved by ODOT.
- The project will be bid on February 16 and construction is programmed to start in May.
- Substantial completion is expected by sometime in October.

Public Notification:

- All Shroyer Road residents and property owners received information about the safety study and *Road Diet* plan in early 2016.
- The city of Oakwood conducted public meetings about the safety study and *Road Diet* plan on February 23 and March 3, 2016, and discussed it at the April 4, 2016 City Council meeting.
- The city of Oakwood will conduct two open house events in advance of construction to present details on the construction schedule and sequence of events. The open house dates are not yet set.
- The city of Oakwood will mail construction and maintenance of traffic information to all residents and property owners in advance of construction.

Project Funding:

The budget for the Oakwood Portion of the Project is \$1,340,000. The cost is split as follows:

- Federal Share: \$804,000
- Oakwood Share: \$536,000

Additional Information:

The city website at www.oakwoodohio.gov includes detailed information about this roadway safety project, including: 1) the 2016 Shroyer Road Safety Study; 2) the engineering peer review letter; 3) four 3-d renderings of how Shroyer Road will look after the project is completed; 4) letters of support for the project; and 5) the April 4 Oakwood City Council Resolution approving the roadway change.