



SR 16 & SR 13 INTERCHANGE UPGRADE

LIC SR 16-21.00 (PID 81969)

REASONS FOR THE PROPOSED PROJECT

The Licking County Area Transportation Study (LCATS) performed a safety study for the SR 16 and SR 13 interchange area. Based on the study, three areas were noted as having safety concerns. Those concerns were as follows:

1. The intersection of the SR 16 eastbound exit ramp and 4th Street exhibited a high number of rear end crashes. This crash patterns was due to the slip ramp configuration and the poor sight angle for the travelers on the exit ramp approach. Another concern for this location was the right-turn on red movements weaving across traffic to turn left at Locust Street.
2. The second area of concern was the intersection of the South Access Road and Third Street. This intersection experienced 70 crashes during the study period, of which, there were 22 injury crashes and 1 fatal crash. Red light running was a major contributing factor in many of the angle crashes at this intersection. Rear end crashes were also prevalent at this intersection.
3. The final area of concern was the eastbound entrance ramp merge area. There were 46 crashes in this area during the three year study period. Of the 46 total crashes, 43 were rear end crashes. The cause for this crash problem was the poor sight distance and short merge area for ramp traffic entering the SR 16 mainline.

PROPOSED IMPROVEMENTS

To mitigate the areas of concern a series of improvements were proposed to enhance safety and operation of the interchange. Aesthetic enhancements were also included in the project. The project improvements include the following:

1. Realign the SR 16 EB exit Ramp and 4th Street intersection to eliminate the slip ramp. Right turn traffic will be controlled by the signal, mitigating the rear end crash pattern.
2. Construct dual left turn lanes at the southbound approach to the 4th Street/Locust Street intersection. This improvement is intended at accommodate the traffic destined for SR 13.
3. Remove the South Access Road and relocate the SR 16 entrance ramp access point from 3rd Street to 4th Street. The improvement will improve the southern portion of the interchange to a more typical diamond configuration. The South Access Road/3rd Street intersection will be eliminated.
4. As part of the SR 16 EB entrance ramp relocation, a proper merge area will be constructed, mitigating the existing rear end crash pattern.
5. Project enhancements will include decorative signal poles, mast arms, and light poles. There will also be additional sidewalk installations along Third Street.

ESTIMATED PROJECT COST:
\$6,049,342

Project Partners and Contributions:
ODOT = \$4,604,206
Newark = \$945,137
LCATS = \$499,999

Project Sale Date: April 29, 2009

ESTIMATED START OF CONSTRUCTION SUMMER 2009



THE START OF CONSTRUCTION WILL BE POSTED ON THE ODOT DISTRICT 5 WEBSITE: www.dot.state.oh.us/districts/D05/Pages/default.aspx