



I-75 and South Dixie Dr. /Central Ave. Interchange Moraine and West Carrollton



PROJECT OVERVIEW

This project will create a diamond interchange along I-75 at South Dixie Drive/Central Avenue (exit 47) in the Moraine/West Carrollton area. The current configuration is outdated and only allows motorists limited access to I-75, requiring motorists to use complex and lengthy routes to reach businesses and residential areas. The new interchange will allow motorists to enter or exit I-75 easily by adding four missing direct ramp movements at the existing interchange and left turn movements at Dryden Road. This renovation will eliminate the need for motorists to circle around and travel excess miles on side streets to get to their destinations. This project will also improve pavement conditions in that area, creating a smoother commute.

PROJECT DESCRIPTION

- Replace current configuration with a diamond interchange at I-75 and South Dixie Drive/Central Avenue, constructing four missing movements at the existing interchange
 - ▶ Southbound S. Dixie Dr. to Northbound I-75
 - ▶ Northbound Central Avenue to Southbound I-75
 - ▶ Northbound I-75 to Southbound S. Dixie Dr.
 - ▶ Southbound I-75 to Northbound S. Dixie Dr.
- Widen the eastbound bridge carrying Dixie Drive over Holes Creek to create a left turn lane for Dryden Road.
- Widen the I-75 northbound bridge over Holes Creek to accommodate a new ramp from Dixie Drive to I-75. A lane will be added to this bridge to accommodate traffic during construction.
- Modify Central Avenue to operate as a traditional two-way arterial roadway
- Improve the intersection of Central Avenue/Dixie Drive and Dryden Road to provide a signalized full access intersection.
- Relocate a section of the Great Miami River Trail to provide for a pedestrian crossing at the intersection of Marina Drive and Crossover Street.
- Maintain Dixie Drive to provide two-way access to the residential neighborhood located on the north side of the railroad.
- Improve pavement conditions

HISTORY OF THIS INTERCHANGE

- This interchange was originally designed as the northern portion of a north-south limited access highway from Cincinnati to Dayton.
- When I-75 was later extended to the north, the current partial interchange at Central Avenue/Dixie Drive was not upgraded.
- The current configuration of the I-75 interchange with Central Avenue/Dixie Drive is missing four direct ramp movements and the intersection of Central Avenue/Dixie Drive and Dryden Road is missing left turn movements.

PROJECT BENEFITS

- Create smoother, more direct traffic patterns when entering or exiting I-75 in Moraine/West Carrollton
- Handle future traffic needs with addition of four direct ramp movements at the interchange and left turn movements at Dryden Road.
- Upgrade pavement and aesthetic design

ESTIMATED COST

- \$26.4 million

TIMELINE / TRAFFIC INFORMATION

- Construction is scheduled to begin Spring 2011
- Three reduced width lanes of traffic will remain open to motorists in each direction of I-75 during construction. These lanes will restore to full width during the winter months.
- Each ramp will be closed at some point during the project. Public advisories will be sent out in advance and detours will be posted to maintain traffic.
- Lane restrictions will occur intermittently at the following locations during the project:
 - ▶ Dryden Road
 - ▶ Central Avenue
 - ▶ Dixie Drive
 - ▶ Crossover Street
 - ▶ Exeter Road
- Project is scheduled for completion in Late Fall 2012