

Trebein and Dayton-Xenia/Hilltop Roundabout Project

GRE-Trebein-Dayon-Xenia Roundabout (PID 117563)



WHAT IS THIS PROJECT?

Greene County is proposing a project to construct a single-lane roundabout with an eastbound right turn lane and shared-use pathways at the intersection of Trebein Road, Dayton-Xenia Road, and Hilltop Road.

The project will include lighting, crosswalks, and minor right-of-way impacts. Environmental concerns such as scenic river, wetlands, and floodplain impacts are being addressed, with efforts to minimize and mitigate these impacts. The intersection will be closed for 80 days during summer for construction, with detours provided.

Construction is set for 2026, with land acquisition starting in October 2024. A public meeting is being held on October 1st 2024 to gather comments on the social, environmental, and economic impacts of the project.

PROJECT AREA

This improvement focuses on the intersection of Trebein Road, Dayton-Xenia Road, and Hilltop Road. The area around the intersection is developing rapidly. Trebein Road is a busy thoroughfare linking US-35 to the City of Fairborn, SR-235, and I-675. Traffic traveling on Trebein Road does not stop at the intersection while traffic traveling Dayton-Xenia Road or Hilltop Road has a stop sign.



PROJECT NEED

There were 19 crashes at the intersection from 2017 to 2019, of which 10 (52.6%) resulted in injury. The majority of the crashes were angle crashes, with those accounting for 73.7%, and rear end collisions accounting for 21.0% of the crashes.

INTERSECTION HISTORY

Previous attempts have been made to improve safety conditions at the Trebein Road, Dayton-Xenia Road, and Hilltop Road intersection, including the following mitigation measures:

- Overhead flashing warning beacons at the intersection
- Advanced "Stop Sign Ahead" warning signs on both minor street approaches
- Dual stop signs with supplemental "cross traffic does not stop" signs on minor street approaches

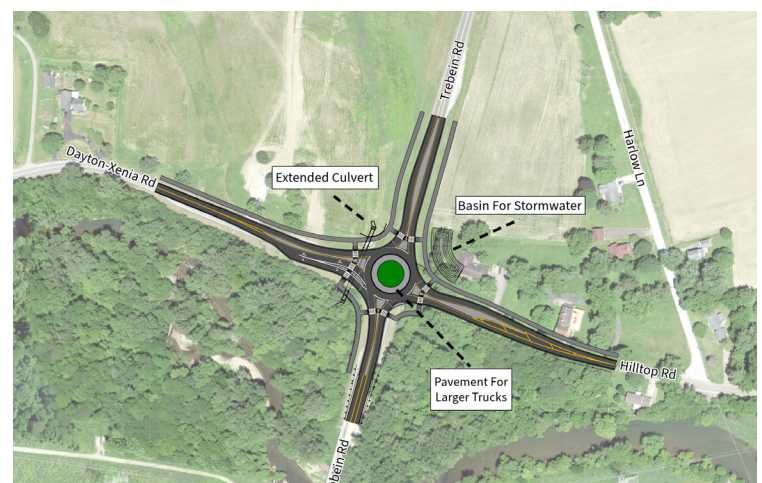
2021 SAFETY STUDY

In 2021, a safety study identified key issues at the intersection of Dayton-Xenia Road, Hilltop Road, and Trebein Road, including long vehicle delays leading to risky maneuvers, high southbound speeds causing rear-end crashes, limited sight distance due to a slight hill, and driver confusion at a fully stop-controlled intersection. Various safety options were evaluated, such as removing the overhead flashing beacon, installing a traffic signal, and constructing a single-lane roundabout.

The study concluded that a roundabout would be the most effective solution to reduce angle crashes, decrease overall delays, and enhance safety.

THE PROJECT PROPOSES TO:

- Construct a single lane roundabout at the intersection
- Additional work includes drainage improvements, new lighting, and signage



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ENVIRONMENT

- No substantial environmental impacts that would trigger mitigation are anticipated
- No impacts to the Little Miami River are expected
- Small impacts to wetlands and suitable wooded bat habitat may occur. If impacted, necessary waterway permitting will be obtained and tree removal restriction dates will be required

MAINTENANCE OF TRAFFIC

The intersection is expected to be closed during construction. Access to all properties nearby will be maintained. More information on detour routes and access during construction will be provided as project development advances.

RIGHT OF WAY

Permanent and temporary right-of-way is expected. If right-of-way is necessary from your property, a real estate representative will contact you directly at a later date to discuss the right-of-way needs, the acquisition process, and your rights under that process.

ESTIMATED PROJECT COSTS & FUNDING

The anticipated cost for the project is \$3,000,000. Funding includes \$1.2 million from the County Engineers Association of Ohio (CEAO) Highway Safety Improvement Program (HSIP) for construction and \$1.1 million from ODOT HSIP funds covering engineering, right-of-way, environmental work, and construction.

ANTICIPATED SCHEDULE

- Public Open House (Oct 1st) and 30 day Public Comment Period.
Oct 1st - Nov 5th
- Review Public Comments and Issue Responses
November 2024
- Right-Of-Way Acquisition
Fall 2024 - Fall 2025
- Construction
Summer 2026 - Winter 2026

HOW TO PROVIDE FEEDBACK

Please let us know your thoughts on the project, recommended alternatives, impacts, and/or any other feedback, comments, or concerns you have. There are several ways to provide feedback.

- **Visit the Project Website:**
<https://publicinput.com/gre117563>
- **Provide Written Comments at the Public Open House on:**
October 1st, 2024
- **Contact the Project Manager**
Kelly Miller
Mail: Greene County Engineers Office
615 Dayton-Xenia Rd
Xenia, OH 45385
Email: kelly.miller@greencountyohio.gov

Comments may be submitted by:
November 5th, 2024

-We look forward to hearing from you!