



# SCIOTO DARBY ROAD ROUNDABOUTS

## CHALLENGE

AS MULTIPLE INTERSECTIONS BECAME ROUNDABOUTS, THE CITY OF HILLARD NEEDED A CONSTRUCTION SERVICES CONSULTANT FOR THIS SAFETY IMPROVEMENT PROJECT.

## SERVICES

- Construction Administration
- Construction Inspection
- Materials Testing
- Contract Administration
- Public Liaison
- Public Outreach + Social Media Messaging

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ms consultants provided the City of Hilliard, Ohio, with construction administration and construction inspection (CA/CI) services for reconfiguring the two intersections on Scioto Darby Road into roundabouts. This included intersections at Leppert Road and Veteran's Memorial Drive.

The reconfiguration of the intersections included multiple components:

- New shared-use path, over 10,000 feet long
- Two new roundabouts
- Traffic calming devices
- Raised crosswalks
- Two retaining walls
- 8 new street lights
- 6,000+ feet of new storm sewer
- 1,500 feet of new waterline

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ms provided full-time, on-site project inspection to observe compliance with the contract documents, plans, and appropriate construction and material specifications.

The ms team also coordinated and documented all required materials testing results.

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## KEEPING RESIDENTS IN MIND

A critical aspect of the construction inspection duties was maintaining and safely protecting pedestrian access and facilities due to the proximity to schools, neighborhoods, and parkland.

The team also provided updated project information to the City to post project notifications and information on its website and on social media channels to keep residents updated.

Also important was maintaining communication with property owners and businesses in the area. This included explaining the project phasing and project impacts to driveways or operations, which served as a positive foundation for two-way communication throughout the life of the project.

Construction was completed and roads were open in December 2019. Landscaping was completed in Spring 2020.

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## UNMANNED AERIAL SYSTEM (UAS) SERVICES

To document construction, the ms team leveraged its in-house unmanned aerial system (UAS), or drone, services.

ms used the DJI Inspire 2 unmanned aerial system to produce 20-mp camera photos and 4K video of the site. The team completed several flights throughout construction, including a final flight at construction completion.