

DEF-15/18-12.04/22.30
(SR 15 at SR 18)
PID 121294

Description

This project consists of constructing a single lane, 3-leg roundabout at the intersection of SR 15 and SR 18 in Defiance County.

Existing Conditions

- SR 15 runs northwest-southeast and SR 18 runs east-west.
- SR 18 east to SR 15 northwest is stop controlled.
- SR 18 east yields to SR 15 east.
- SR 15/18 northwest has a dedicated left turn lane for SR 18 west.
- Intersection includes chevrons on the curve in both travel directions, a curve advisory speed of 30 mph, lighting, and an overhead flasher.
- SR 15 and SR 18 are both classified as Rural Major Collectors.

Converting the existing intersection into a roundabout is predicted to be safer and operate more efficiently. The proposed roundabout addresses the frequent fixed object crash type by lowering approach speeds and realigning the roadway to have more favorable geometry.

Intersection History and Data

A feasibility study was conducted by Gannett Fleming in the fall of 2023.

Crash Statistics (2018-2022)

- 21 total crashes
 - 10 fixed object
 - 5 rear end
 - 2 sideswipe
 - 1 angle
 - 1 head on
 - 1 overturning
 - 1 non-collision
- 38% injury rate
 - 4 serious injury
 - 4 other injury
 - 13 property damage only

AADT

2023	SR-18	11,334	(8% trucks)
	SR-15	8,067	(8% trucks)
2013	SR-18	8,043	(4% trucks)
	SR-15	4,797	(4% trucks)

Deliverables

Consultant provides:

- Optimized preferred alternative from Feasibility Study
- Survey
- Geotechnical
- Right-of-Way Plans
- Construction Plans

ODOT District 1 provides:

- Feasibility Study (STW TSMO Task Order: PID 115913)
 - With Preferred Alternative
- Utility Coordination
- Environmental
- R/W Acquisition
- Press Release

Funding

Funded by ODOT Safety Program and TSMO

- | | | |
|---------------|--------------------|------------------|
| • \$660,000 | PE Environmental | FY 2025 (Safety) |
| • \$90,000 | PE Detailed Design | FY 2025 (Safety) |
| • \$163,725 | Right of Way | FY 2026 (Safety) |
| • \$1,617,237 | Construction | FY 2028 (Safety) |
| • \$1,000,000 | Construction | FY 2028 (TSMO) |

Additional Information

- 8% DBE Goal
- Requesting delivery as FY 27 Reservoir
- Traffic to be maintained as much as possible. Short term closures as needed.
- Preferred alternative from PID 115913 to be evaluated and refined further. Additional alternatives will not be needed.
- Preferred alternative will be announced in a press release. Public Involvement is not anticipated.

Prequalifications

- Roadway Design (Non-Complex)
- RW Plan Development (Limited & Complex)
- Soils/Geotechnical Services (Geotech Engineering Services / Geotech Testing Laboratory / Geotechnical Field Exploration / Geotechnical Drilling Inspection)
- Highway Lighting Design (Limited)