

VAN-SR 118-5.15
(SR118/Wren-Landeck Road Roundabout)
PID 120693

This project consists of constructing a single lane roundabout at the intersection of SR 118 and Wren-Landeck Road. SR 118 runs north-south and Wren-Landeck Road runs east-west. Currently, the intersection is controlled by two-way stop signs on the minor road approaches. SR 118 is a major collector and Wren-Landeck Road is a minor collector. The posted speed limit is 55 miles per hour and the travel lanes are 11' wide on all approaches.

Converting the existing two-way, stop-controlled intersection into a roundabout is predicted to be safer and more efficient. The proposed roundabout is expected to reduce angle and fixed object crashes due to lower speeds and roadway realignment. Given that GPS routes drivers around Van Wert using Wren-Landeck Road as a bypass, a roundabout is also expected to improve the capacity and flow of traffic at this intersection.

Intersection History and Data

History

- Dual stop and flashing stop-ahead signs.
- Sight distance triangles purchased on the east side of the intersection (2021).
- Transverse rumble strips installed on the minor road approaches (2024).

Crash Statistics (2018-2022)

- 24 total crashes
 - 10 fixed object
 - 9 angle
 - 2 rear end
 - 2 non-collision
 - 1 parked vehicle
- 50% injury rate
 - 1 fatal crash
 - 11 injury crashes
 - 12 property damage only crashes

AADT

2023	SR 118	3,951	(9% trucks)
	Wren-Landeck	1,315	(4% trucks)
2013	SR 118	2,633	(4% trucks)
	Wren-Landeck	539	N/A

Deliverables

Consultant provides:

- Feasibility Study
- Public Involvement Support (displays/attend meeting)
- Survey
- Right-of-Way Plans
- Construction Plans
- Geotechnical

ODOT District 1 provides:

- Public Involvement
- Environmental
- Utility Coordination
- R/W Acquisition

Funding

Funded by ODOT Safety Program

- \$600,000 for Design in FY 2025
- \$375,000 for Right of Way in FY 2027
- \$2,889,000 for Construction in FY 2029
 - Deliver for FY 2028 reservoir

Additional Information

- No DBE goal
- Maintenance of Traffic: anticipating complete closure
- Agreement will be split into two profiles in SAFe:
 - Planning through Preliminary Engineering
 - Stage 1 through Final Design

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)