

ALL – 501 – 2.81
(SR 501 at Fort Amanda Road)
PID 122791

Description

This project consists of constructing a single lane roundabout at the intersection of SR 501 and Fort Amanda Road in Allen County.

Existing Conditions

- SR 501 runs north-south and Fort Amanda Road runs east-west.
- Both roadways are two-lane, two-way without turn lanes.
- Fort Amanda Road is controlled by a two-way stop. Additionally:
 - Dual stop signs with “*Cross Traffic Does Not Stop*” plaques
 - Dual LED enhanced stop ahead signs
 - Dual LED enhanced intersection warning signs
 - Stop bars on the east and west approaches
- SR 501 is classified as a Rural Major Collector and Fort Amanda Road is classified as a Rural Minor Collector.

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

Intersection History and Data

Prior work at this intersection includes:

- Right of way was purchased in all four corners to improve sight distance (1997).
- Overhead flasher and support poles were removed (2020).
- Stop ahead signs and intersection warning signs were upgraded with LED enhancement (2020).
- The right of way was staked, and any encroaching trees were removed (2020).
- A District wide pavement marking project (PID 101005) upgraded the striping through the intersection (2021).

This intersection has been discussed several times over the years at District Safety Review Team (DSRT) meetings. A formal safety study was conducted by ODOT District 1 in the fall of 2024.

Crash Statistics (2019-2023)

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| <ul style="list-style-type: none">• 17 total crashes<ul style="list-style-type: none">○ 10 angle○ 3 rear end○ 2 sideswipe○ 1 overturning○ 1 left turn | <ul style="list-style-type: none">• 41% injury rate<ul style="list-style-type: none">○ 1 fatal○ 3 serious injury○ 3 other injury○ 10 property damage only |
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AADT

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|------|------------------|-------|-------------|
| 2024 | SR-501 | 4,810 | (2% trucks) |
| | Fort Amanda Road | 2,389 | (3% trucks) |
| 2014 | SR-501 | 3,632 | (2% trucks) |
| | Fort Amanda Road | 2,120 | - |

Deliverables

Consultant provides:

- Abbreviated Feasibility Study with evaluation matrix
- Preliminary roundabout layouts/alternatives
- Survey
- Right-of-Way Plans
- Construction Plans
- Geotechnical

ODOT District 1 provides:

- Utility Coordination
- Intersection Safety Study
- Public Involvement (press release and website)
- Environmental
- R/W Acquisition

Funding

Funded by ODOT's Highway Safety Improvement Program

- \$750,000 for Design in FY 2025
- \$50,000 for Right of Way in FY 2027
- \$2,700,000 for Construction in FY 2029

Additional Information

- 10% DBE Goal
- Requesting delivery as FY2028 Reservoir
- Full closure permitted for MOT
- 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)