



# Formal Application

F202408D01-01

## General Project Information

|  |                                |                                   |   |                                     |   |  |
|--|--------------------------------|-----------------------------------|---|-------------------------------------|---|--|
| Application Round                                      | District Application #         | Project Sponsoring Agency         | Project Name  | PID                                 | Applicant Name                            | Contact Phone                          |
| <input type="text" value="202408"/>                    | <input type="text" value="1"/> | <input type="text" value="ODOT"/> | <input type="text" value="ALL-SR 501 &amp; Fort Ama..."/> | <input type="text" value="122791"/> | <input type="text" value="Hailey Robey"/> | <input type="text" value="(419) ..."/> |
| Contact Email  |                                |                                   |   |                                     |   |  |
| <input type="text" value="hailey.robey@dot.ohio.gov"/> |                                |                                   |   |                                     |   |  |

## Location Information

|  |                                    |                                     |                                   |  |   |                            |
|--|------------------------------------|-------------------------------------|-----------------------------------|--|---|----------------------------|
| ODOT District                                      | County                             | Route Number                        | Begin Logpoint                    | Begin Latitude                         | Begin Longitude                         |                            |
| <input type="text" value="1"/>                     | <input type="text" value="ALLEN"/> | <input type="text" value="SR-501"/> | <input type="text" value="2.81"/> | <input type="text" value="40.697696"/> | <input type="text" value="-84.203913"/> | <a href="#">Google Map</a> |
| Road Name  |                                    |                                     | End Logpoint                      | End Latitude                           | End Longitude                           |                            |
| <input type="text" value="South Wapakoneta Road"/> |                                    |                                     | <input type="text" value="2.81"/> | <input type="text" value="40.697696"/> | <input type="text" value="-84.203913"/> | <a href="#">Google Map</a> |

## Project Description

### Summary of Crash Patterns

From 2019-2023, there were 17 crashes at this intersection for an average of 3.4 crashes per year. Of the 17, 10 were angle, 3 were rear end, 2 were sideswipe, 1 was left turn, and 1 was overturning. These resulted in 1 fatal crash and 6 other injury crashes, for a 41% injury rate. The most prominent crash type, angle, was caused by drivers failing to yield to or running the posted stop signs.

### Summary of Recommended Countermeasures

Based on analysis of crash patterns, existing conditions, and traffic volumes, it is recommended to convert the existing two-way stop-controlled intersection to a single-lane roundabout.

### Project Priority Information

SR 501 & Fort Amanda Road ranked 4th on the District 1 roundabout screening list. This intersection has also been discussed at DSRT meetings over the years and receives complaints from the public.

## Crash Data

### Crash Totals (average per year)

|  | Fatal & Serious Injury (KA) | Visible Injury (B) | Non-Visible (C) | Property Damage Only (O) | Total  |
|--|-----------------------------|--------------------|-----------------|--------------------------|--------|
| Existing Conditions: Predicted Crash Frequency | 0.2927                      | 0.7093             | 0.4724          | 2.5387                   | 4.01 ▲ |
| Existing Conditions: Expected Crash Frequency  | 0.2887                      | 0.7000             | 0.4662          | 2.3347                   | 3.79   |
| Potential for Safety Improvement               | -0.0040                     | -0.0093            | -0.0062         | -0.2040                  | -0.22  |
| Proposed Conditions: Expected Crash Frequency  | 0.0046                      | 0.0390             | 0.0485          | 1.0603                   | 1.15   |
| Observed Crashes                               | 0.8000                      | 0.6000             | 0.0000          | 2.0000                   | 3.40 ▼ |

### Observed People Injury Totals

|                               | Fatal Injury (K) | Serious Injury (A) | Visible Injury (B) | Non-Visible (C) | Total   |
|-------------------------------|------------------|--------------------|--------------------|-----------------|---------|
| Observed People Injury Totals | 0.2000           | 1.2000             | 0.8000             | 0.2000          | 2.40 ▲▼ |

## Application Scoring

| Category   | Scoring Value | Points Awarded | Points Possible |
|--|---------------|----------------|-----------------|
| Ratio of Observed Fatal and Serious Injuries to Observed Total Crashes       | 0.41          | 30             | 30 ▲            |
| Percentage of the Potential for Safety Improvement to Total Expected Crashes | 0.00%         | 0              | 20              |

|                                       |             |           |            |
|---------------------------------------|-------------|-----------|------------|
| Relative Severity Index               | \$57,201.67 | 20        | 20 ▲       |
| Equivalent Property Damage Only Index | 5.87        | 20        | 20         |
| Location Equity Measure               | 2.00%       | 0         | 10         |
| <b>Total:</b>                         |             | <b>70</b> | <b>100</b> |

### Key Safety Metrics

Functional Class: 
 Major Route AADT: 
 Maximum Posted Speed Limit: 
 Active Transportation Need: 
 Active Transportation Demand: 
 Bicycle Level of Traffic Stress:

TOAST Score ⓘ:

### Strategic Highway Safety Plan

Ohio Emphasis Area: 
 Ohio Emphasis Area Subcategory: 
 FHWA Emphasis Area: 
 FHWA Improvement Category:

FHWA Improvement Subcategory:

### Work Locations

| NLFID          | Begin Logpoint | End Logpoint | Location Termini ⓘ |
|----------------|----------------|--------------|--------------------|
| SALLSR00501**C | 2.81           | 0            | Fort Amanda Road   |

### Project Funding

| Safety Study   | Interchange Mod. Study   | PE-Environmental   | PE-Detail Design   | Right of Way/Utilities   | Construction                                   |
|--|--|--|--|--|--|
| Fiscal Year: <input type="text" value="2025"/>           | Fiscal Year: <input type="text"/>                              | Fiscal Year: <input type="text"/>                              | Fiscal Year: <input type="text" value="2025"/>                 | Fiscal Year: <input type="text" value="2027"/>                 | Fiscal Year: <input type="text" value="2029"/> |
| Phase Completed? <input type="checkbox"/>                | Phase Completed? <input type="checkbox"/>                      | Phase Completed? <input type="checkbox"/>                      | Phase Completed? <input type="checkbox"/>                      | Phase Completed? <input type="checkbox"/>                      | Phase Completed? N/A                           |
| Completed by ⓘ: <input type="text" value="ODOT D1"/>     | Completed by ⓘ: <input type="text"/>                           | Completed by ⓘ: <input type="text"/>                           | Completed by ⓘ: <input type="text"/>                           | Completed by ⓘ: <input type="text"/>                           | Completed by N/A                               |
| Completion Date: <input type="text" value="7/1/2024"/> ⓘ | Completion Date: <input type="text" value="month/day/year"/> ⓘ | Completion Date: <input type="text" value="month/day/year"/> ⓘ | Completion Date: <input type="text" value="month/day/year"/> ⓘ | Completion Date: <input type="text" value="month/day/year"/> ⓘ | Completion Date N/A                            |

| Project Phase   | Safety Study  | Interchange Mod. ... | PE - Environmental | PE - Detailed Design | Right of Way/Utiliti... | Construction          | Total                 |
|-----------------|---------------|----------------------|--------------------|----------------------|-------------------------|-----------------------|-----------------------|
| Previous Safety | \$0.00        | \$0.00               | \$0.00             | \$0.00               | \$0.00                  | \$0.00                | \$0.00 ▲              |
| New Safety      | \$0.00        | \$0.00               | \$0.00             | \$750,000.00         | \$50,000.00             | \$2,700,000.00        | \$3,500,000.00        |
| Sponsor Funding | \$0.00        | \$0.00               | \$0.00             | \$0.00               | \$0.00                  | \$0.00                | \$0.00 ▼              |
|                 | <b>\$0.00</b> | <b>\$0.00</b>        | <b>\$0.00</b>      | <b>\$750,000.00</b>  | <b>\$50,000.00</b>      | <b>\$2,700,000.00</b> | <b>\$3,500,000.00</b> |

### Additional Funding Detail

Additional Funding Detail

### Safety Economic Analysis Results

Net Present Value of Project: 
 Net Present Value of Safety Benefits: 
 Net Benefit: 
 Benefit / Total Project Cost Ratio: 
 Benefit / Safety Funding Request Ratio:

### Ethics

I have reviewed and will comply with the Ethics and Conflict of Interest laws including 23 CFR § 1.33, 23 CFR 636.116, and Ohio Revised Code sections 102.03, 2921.42 and 2921.43. [here](#).  
Find form

DSRT

The DSRT has reviewed and approves this application

Comment

Comment

File Attachments

Please attach relevant project files such as the One Page Summary, CAM Tool, ECAT files, Safety Study, Crash Diagram, etc.

Select files... Drop files here to select

Download All

| File  | Uploaded By | Upload Date |
|---|-------------|-------------|
| ECAT Proposed ALL-SR 501 & Ft Amanda Rd.xlsm          | DOT\hrobey  | 8/23/24     |
| cam-tool (2019-2023) ALL-SR 501 & Fort Amanda Rd.xlsm | DOT\hrobey  | 8/23/24     |
| Crash Diagram ALL-SR 501 & Ft Amanda Rd.png           | DOT\hrobey  | 8/23/24     |