



Review Application

Search Project

Application Type: Year: Application Round:

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- F202308D12-01
- F202308D12-02

Formal Application

F202308D01-04

[Application Instructions](#)

[ODOT's Safety Analysis Guidelines](#)

General Project Information

Application Round	District Application #	Project Sponsoring Agency	Project Name	PID	Applicant Name	Contact Phone
<input type="text" value="202308"/>	<input type="text" value="4"/>	<input type="text" value="ODOT"/>	<input type="text" value="VAN-SR 118 & Wren-La..."/>	<input type="text" value="120693"/>	<input type="text" value="Hailey Robey"/>	<input style="width: 50px;" type="text" value="(419)..."/>

Contact Email

Location Information

ODOT District	County	Route Number	Begin Logpoint	Begin Latitude	Begin Longitude	
<input type="text" value="1"/>	<input type="text" value="VAN WERT"/>	<input type="text" value="SR-118"/>	<input type="text" value="5.15"/>	<input type="text" value="40.80061"/>	<input type="text" value="84.61378"/>	Google Map
Road Name			End Logpoint	End Latitude	End Longitude	
<input type="text" value="Wren-Landeck Road"/>			<input type="text" value="5.15"/>	<input type="text" value="40.80061"/>	<input type="text" value="84.61378"/>	Google Map

Project Description

Summary of Crash Patterns

There were 24 crashes at this intersection from 2018-2022. Of these, 10 were fixed object, 9 were angle, 2 were rear end, 2 were non-collision, and 1 was parked vehicle. One of the angle crashes resulted in a fatality. This intersection averages 4.8 crashes per year and

Summary of Recommended Countermeasures

After monitoring the intersection and making improvements, this location continues to be a safety problem. Based on the crash patterns, it is recommended to construct a roundabout.

Project Priority Information

This location has been a District priority for several years, experiences high severity crashes, and serves as a bypass route for traffic avoiding Van Wert.

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	0.1621	0.3932	0.2622	1.4075	2.23 ▲
Existing Conditions: Expected Crash Frequency	0.2138	0.5181	0.3451	1.6581	2.74
Potential for Safety Improvement	0.0517	0.1249	0.0829	0.2506	0.51
Proposed Conditions: Expected Crash Frequency	0.0035	0.0299	0.0370	0.8802	0.95
Observed Crashes	0.8000	1.4000	0.2000	2.4000	4.80 ▼

Observed People Injury Totals

	Fatal Injury (K)	Serious Injury (A)	Visible Injury (B)	Non-Visible (C)	Total
Observed People Injury Totals	0.2000	0.8000	4.0000	1.4000	6.40 ▼

Application Scoring

Category	Scoring Value	Points Awarded	Points Possible
Ratio of Observed Fatal and Serious Injuries to Observed Total Crashes	0.21	30	30 ▲
Percentage of the Potential for Safety Improvement to Total Expected Crashes	18.61%	14	20
Relative Severity Index	\$57,331.22	20	20
Equivalent Property Damage Only Index	5.98	20	20
Location Equity Measure	4.00%	0	10 ▼
Total:		84	100

Key Safety Metrics

Functional Class: Major Collector Roads
 Major Route AADT: 4,900
 Maximum Posted Speed Limit: 55
 Active Transportation Need: 2
 Active Transportation Demand: 1
 Bicycle Level of Traffic Stress: NA
 TOAST Score: 0.89

Strategic Highway Safety Plan

Ohio Emphasis Area: Serious Crash Types
 Ohio Emphasis Area Subcategory: Intersection
 FHWA Emphasis Area: Improving the design and operation of highway intersections
 FHWA Improvement Category: Intersection traffic control
 FHWA Improvement Subcategory: Modify control - two-way stop to roundabout

Work Locations

NLFID	Begin Logpoi...	End Logpoint	Location Termini
SVANSR00118**C	5.15	0	Wren-Landeck Road

Project Funding

Safety Study	Interchange Mod. Study	PE-Environmental	PE-Detail Design	Right of Way/Utilities	Construction
Fiscal Year: <input type="text"/>	Fiscal Year: <input type="text"/>	Fiscal Year: <input type="text"/>	Fiscal Year: 2025	Fiscal Year: 2027	Fiscal Year: 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"/>	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"/>	Completion Date: <input type="text"/>	Completion Date: <input type="text"/>	Completion Date: <input type="text"/>	Completion Date: <input type="text"/>	Completion Date N/A

Project Phase	Safety Study	Interchange Mod....	PE - Environmental	PE - Detailed Desi...	Right of Way/Utili...	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	\$600,000.00	\$375,000.00	\$2,700,000.00	\$3,675,000.00
Sponsor Funding	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00 ▼
	\$0.00	\$0.00	\$0.00	\$600,000.00	\$375,000.00	\$2,700,000.00	\$3,675,000.00

Additional Funding Detail

Additional Funding Detail

Safety Economic Analysis Results

Net Present Value of Project: \$3,675,000.00
 Net Present Value of Safety Benefits: \$1,954,656.22
 Net Benefit: -\$1,720,343.78
 Benefit / Total Project Cost Ratio: 0.53
 Benefit / Safety Funding Request Ratio: 0.53

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 [here](#), and 2921.43. 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

File	Uploaded By	U
cam-tool (2018-2022).xism	DOT\hrobey	8 ▲
ECAT Tool Existing - SR 118 & Wren-Landeck.xism	DOT\hrobey	8
ECAT Tool Proposed - SR 118 & Wren-Landeck.xism	DOT\hrobey	8
YAN-SP 118 & Wren-Landeck Road Crash Diagram.png	DOT\hrobey	8 ▼

Review Comments

Recommendation:

Comment

Review Comment

Cancel Save

Review Comment	
<p>Kathryn Wade Recommendation: 4 Agree with the roundabout recommendation. It would have been nice to see a little further crash analysis information with the application since no safety study was included.</p>	<input type="text"/> <input type="text"/> <input type="text"/>
<p>Drew Janek Recommendation: 5 Great score. Would address high number of angle crashes. Existing low-cost countermeasures. Thumbs up.</p>	<input type="text"/> <input type="text"/> <input type="text"/>
<p>Caraline Griffith Recommendation: 5 High score, high roundabout ranking. Believe the roundabout is the correct countermeasure for the crash pattern seen here.</p>	<input type="text"/> <input type="text"/> <input type="text"/>
<p>Brenton Bogard Recommendation: 4 Highest scoring app this round, also #5/19 on the roundabout list.</p>	<input type="text"/> <input type="text"/> <input type="text"/>
<p>Jeremy Thompson</p>	<input type="text"/> <input type="text"/> <input type="text"/>