



Formal Application

F202408D01-02

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="2"/>	<input type="text" value="ODOT"/>	<input type="text" value="ALL-SR 117 & Kemp Ro..."/>	<input type="text" value="122787"/>	<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-117"/>	<input type="text" value="9.71"/>	<input type="text" value="40.714637"/>	<input type="text" value="-84.223098"/>	Google Map
Road Name			End Logpoint	End Latitude	End Longitude	
<input type="text" value="Spencerville Road"/>			<input type="text" value="9.71"/>	<input type="text" value="40.714637"/>	<input type="text" value="-84.223098"/>	Google Map

Project Description

Summary of Crash Patterns

From 2021-2023, there were 11 crashes at this intersection for an average of 3.7 crashes per year. Of the 11 crashes, 7 were angle, 1 was rear end, 1 was sideswipe, 1 was backing, and 1 was left turn. These resulted in 2 serious injury crashes, 5 other injury crashes, and 4 property damage only crashes, for a 64% injury rate. The most prominent crash type, angle, was caused by drivers failing to yield to or running the posted stop signs. In 2024 to date, there have been 3 failure to yield, injury crashes.

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 117 & Kemp Road ranked 10th on the District 1 roundabout screening list. This intersection has also been discussed at DSRT meetings over the years and has shown up on HSIP priority lists several times in recent years. SR 117 & Kemp was last ranked 46th in the state on the 2021 HSIP

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	0.1449	0.3513	0.2344	1.2579	1.99
Existing Conditions: Expected Crash Frequency	0.1925	0.4665	0.3107	1.2752	2.24
Potential for Safety Improvement	0.0476	0.1152	0.0763	0.0173	0.26
Proposed Conditions: Expected Crash Frequency	0.0040	0.0330	0.0407	0.9370	1.01
Observed Crashes	0.6667	1.0000	0.6667	1.3333	3.67

Observed People Injury Totals

	Fatal Injury (K)	Serious Injury (A)	Visible Injury (B)	Non-Visible (C)	Total
Observed People Injury Totals	0.0000	0.6667	1.6667	3.3333	5.67

Application Scoring

Category	Scoring Value	Points Awarded	Points Possible
Ratio of Observed Fatal and Serious Injuries to Observed Total Crashes	0.18	30	30

Percentage of the Potential for Safety Improvement to Total Expected Crashes	11.61%	8	20
Relative Severity Index	\$57,791.90	20	20
Equivalent Property Damage Only Index	6.49	20	20
Location Equity Measure	1.00%	0	10
Total:		78	100

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 ⓘ
SALLSR00117**C	9.71	0	Kemp 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="8/1/2024"/>	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	\$400,000.00	\$2,700,000.00	\$3,850,000.00
Sponsor Funding	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$750,000.00	\$400,000.00	\$2,700,000.00	\$3,850,000.00

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
cam-tool (2021-2023) ALL-SR 117 & Kemp.xlsm	DOT\hrobey	8/23/24 ▲
Crash Diagram ALL-SR 117 & Kemp Rd.png	DOT\hrobey	8/23/24
ECAT Existing ALL-SR 117 & Kemp Rd.xlsm	DOT\hrobey	8/23/24 ▼