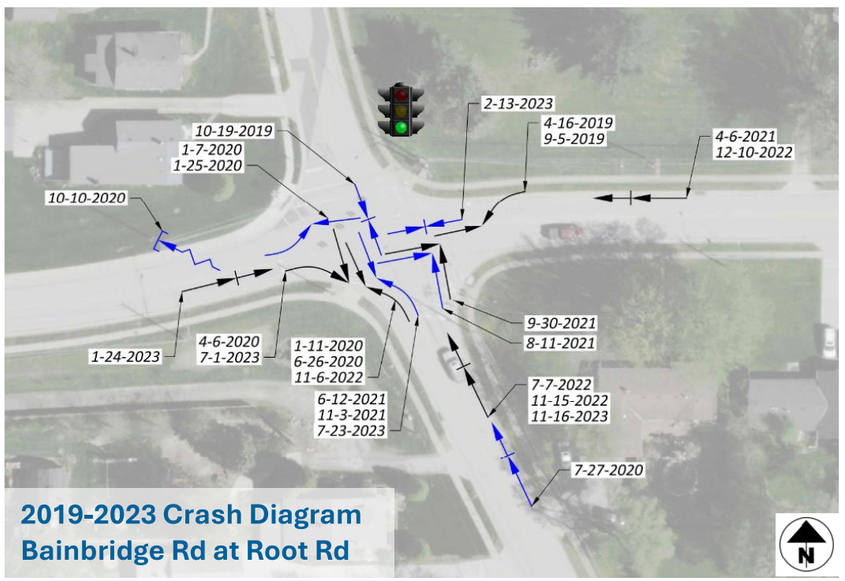
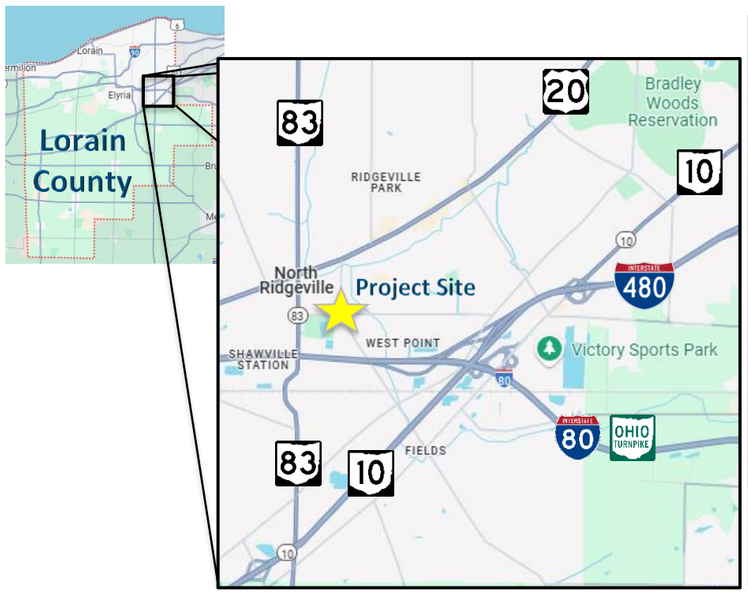
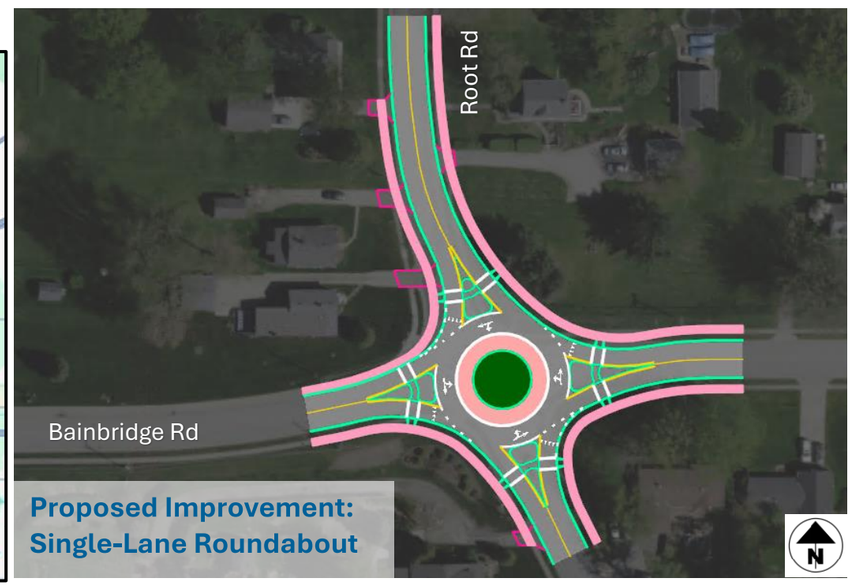


2019-2023 Crash Diagram
Bainbridge Rd at Root Rd





Proposed Improvement:
Single-Lane Roundabout

Crashes by Year

Crash by Year (2019-2023)	Crashes	%
2019	3	12.50%
2020	7	29.17%
2021	5	20.83%
2022	4	16.67%
2023	5	20.83%
Grand Total	**24**	**100.00%**

Crash Types

Crash Type (2019-2023)	Crashes	%
Left Turn	10	41.67%
Rear End	7	29.17%
Right Turn	2	8.33%
Angle	2	8.33%
Head On	2	8.33%
Fixed Object	1	4.17%
Grand Total	24	100.00%

Key Messages:

Increasing Crash Trend
6 Crashes in 2024 (through Oct)

Increasing Crash Severity
66.7% Injury in 2024 (through Oct)

Non-Congestion Crash Types
58.33% Right/Left Turn, Angle (2019-2023)

Crash Severity

Crash Severity (2019-2023)	Crashes	%
Fatal	0	0.00%
Injury	10	41.67%
PDO/No Injury	14	58.33%
Total	**24**	**100.00%**

Application Scoring

Category	Value	Points
Observed KA/Total	0.00	0
% Improvement Potential	5.88%	4
Relative Severity Index	33747.39	12
Equivalent PDO Index	2.98	8
Location Equity Measure	0.00	0
Application Score		**24**

Project Description:

Convert the existing skewed/offset signalized intersection at Bainbridge Rd/Root Rd to a single-lane compact (100 ft ICD) roundabout to address crashes caused by poor intersection approach geometry and high frequencies of left/right turning movements.

Project Funding Detail

Project Phase	Safety Study	PE-Environmental	PE-Detailed Design	PE-ROW/Utilities	Construction	Total
Fiscal Year	Completed	2026	2027	2029	2030	
Previous Safety		$ -	$ -	$ -	$ -	$ -
New Safety		$ -	$ -	$ 93,874.50	$ 1,269,032.40	$ 1,362,906.90
Sponsor Funding	$ 45,038.00	$ 213,226.67	$ 106,613.33	$ 10,430.50	$ 141,003.60	$ 471,274.10
Total	$ 45,038.00	$ 213,226.67	$ 106,613.33	$ 104,305.00	$ 1,410,036.00	$ 1,834,181.00

CITY OF NORTH Ridgeville

WOOLPERT

Bainbridge Rd at Root Rd Roundabout

ODOT Safety Funding Application | 202503D03-06

City of North Ridgeville, OH | ODOT District 3 | April 22, 2025