

ALL - SR 117 & Kemp Road

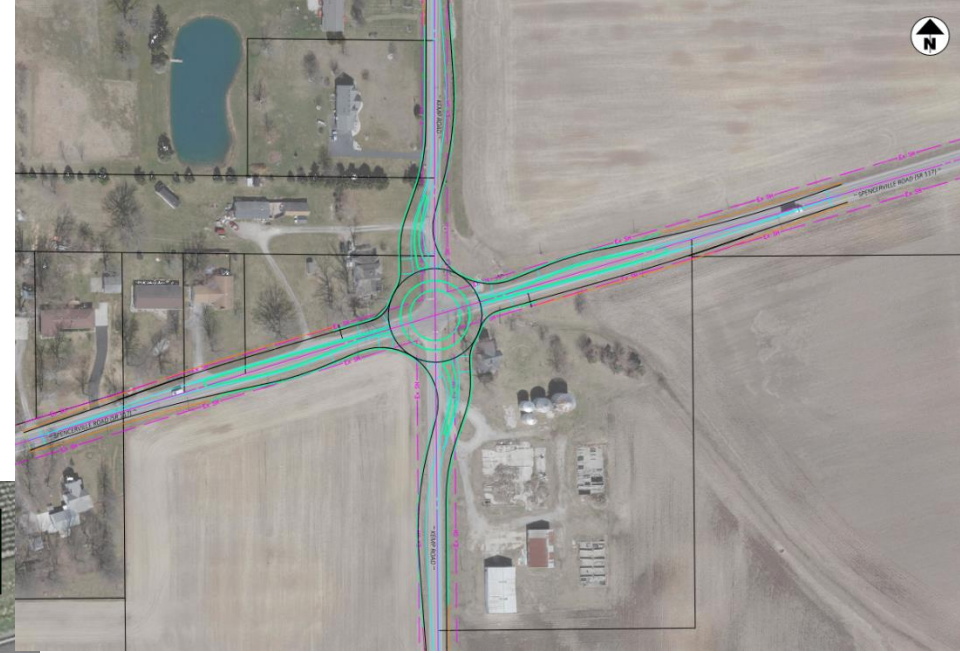
August 2024 Formal Safety Application

Recommendation:

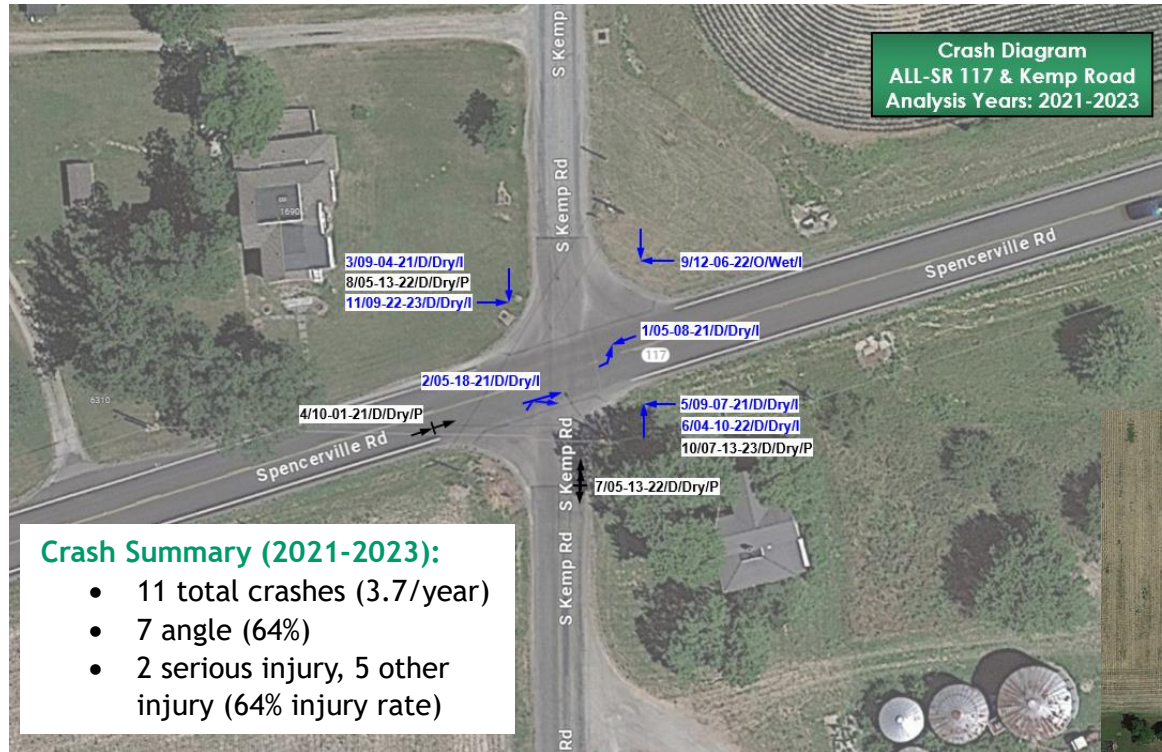
- Convert two-way stop-controlled intersection to a single-lane roundabout

Project Funding: \$3,850,000

- Design - \$750,000 (FY 2025)
- Right of Way - \$400,000 (FY 2027)
- Construction - \$2,700,000 (FY 2029)



Crash Diagram
ALL-SR 117 & Kemp Road
Analysis Years: 2021-2023

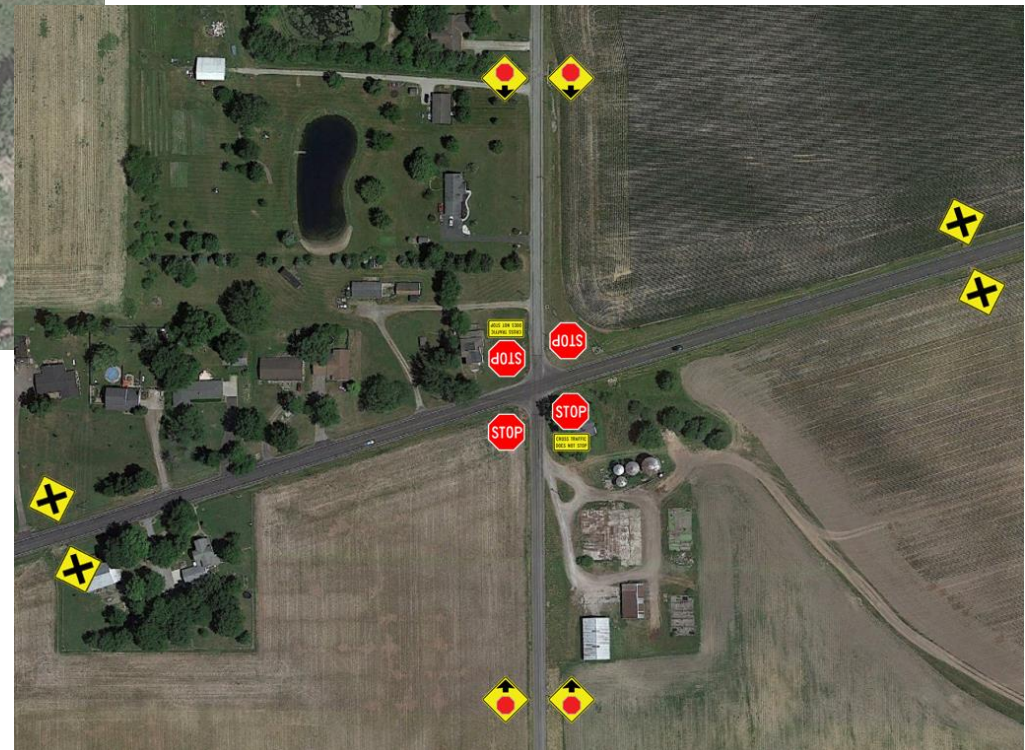


Crash Summary (2021-2023):

- 11 total crashes (3.7/year)
- 7 angle (64%)
- 2 serious injury, 5 other injury (64% injury rate)

Existing Conditions:

- Dual stop signs with “Cross Traffic Does Not Stop” plaques
- Dual stop ahead signs
- Dual intersection warning signs



Application Score: 78

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