

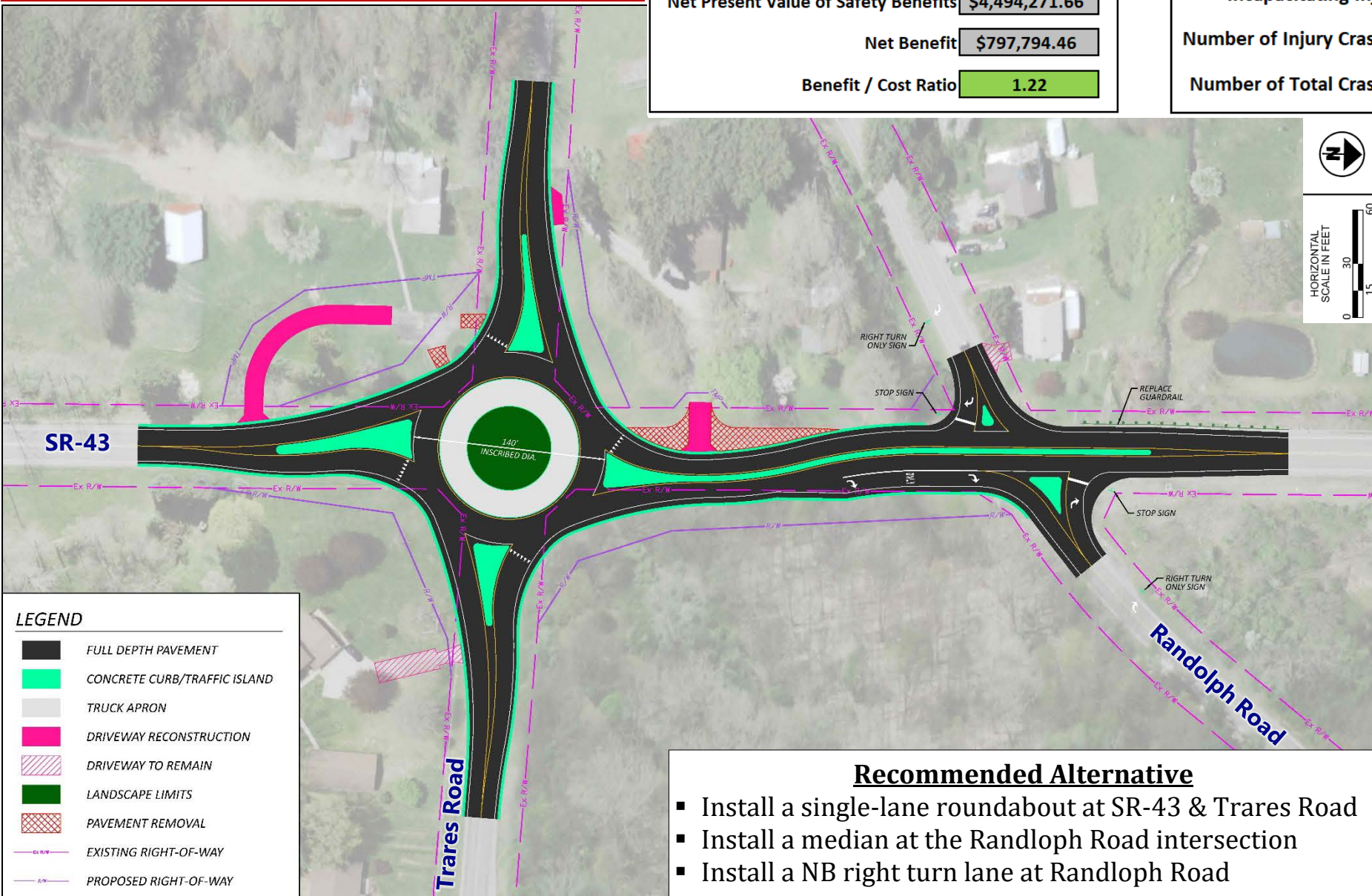
- SR-43 & Trares Road ranked #53 in 2020 and #101 in 2024 on the Rural Intersection HSIP list.
- SR-43 & Randolph Road ranked #54 in 2020 and #351 in 2024 on the Rural Intersection HSIP list.
- Existing Conditions: SR-43 is free-flowing with one lane in each direction, 45 MPH speed limit, and notable grade changes. The Trares Road and Randolph Road intersections with SR-43 are stop controlled and separated by 350 feet.
- The intersections experience a high frequency of angle crashes.

Application Scoring			
Category	Scoring Value	Points Awarded	Points Possible
Ratio of Observed Fatal and Serious Injuries to Observed Total Crashes	0.08	16	30
Percentage of the Potential for Safety Improvement to Total Expected Crashes	0.92%	0	20
Relative Severity Index	59,399.14	20	20
Equivalent Property Damage Only Index	6.20	20	20
Location Equity Measure	0.00%	0	10
Total		56	100

Project Funding						
Project Phase	Safety Study	PE - Environmental	PE - Detailed Design	Right of Way /Utilities	Construction	Total
Fiscal Year	2025	2026	2027	2027	2029	
Previous Safety	\$39,206.00					\$39,206.00
New Safety		\$420,000.00	\$105,000.00	\$80,000.00	\$3,500,000.00	\$4,105,000.00
Sponsor Funding	\$17,396.00					\$17,396.00
Total	\$56,602.00	\$420,000.00	\$105,000.00	\$80,000.00	\$3,500,000.00	\$4,161,602.00

Benefit - Cost Calculator	
Net Present Value of Project	\$3,696,477.20
Net Present Value of Safety Benefits	\$4,494,271.66
Net Benefit	\$797,794.46
Benefit / Cost Ratio	1.22

Expected Annual Crash Adjustment	
Number of Fatal & Incapacitating Injury	-0.438
Number of Injury Crashes	-2.067
Number of Total Crashes	-4.324



Map showing Randolph Rd and surrounding area. Key features include:

- Randolph Rd** (Green label)
- 43** (Road shield)
- STOP** (Red octagon)
- Crash locations and dates:**
 - 1-25-16/6P/D (FTY)
 - 3-8-16/2P/D
 - 7-9-16/3P/D
 - 10-21-17/12P/D
 - 7-31-20/10A/D
 - 9-11-20/8A/D
 - 3-7-17/2P/W (FTY)
 - 6-16-17/7P/D
 - 10-15-17/2P/W
 - 9-3-19/7P/D
 - 3-7-20/10P/D
 - 8-14-19/2P/D (FTY)
 - 9-11-19/12P/D (FTY)
 - 3-9-16/8A/D
 - 11-7-18/7A/D
 - 9-26-19/1P/D
 - 9-30-18/1P/D
 - 1-18-19/9A/W (FTY)
 - 6-22-18/10A/W (FTY)
 - 7-14-19/8P/D/L (FTY)
 - 10-29-19/4P/D
- Improper Turn** (Text label)