

## EXISTING CONDITIONS

1. Intersection skew of 60 degrees and 6 approaches
2. Signalized traffic control, advance warning signs, calculated clearance intervals, and a high visibility crosswalk to improve safety performance
3. Far Hills Avenue operating speeds of 42 MPH
4. Vulnerable road users are a significant component
5. Injury crash rate (29%) above statewide average (26%)

## COUNTERMEASURES

1. Convert signalized intersection to a peanut shaped roundabout
2. Increase visibility of pedestrians by installed raised crosswalks and pedestrian hybrid beacons (PHBs)

## PROPOSED COUNTERMEASURE



## APPLICATION SCORING

Category	Scoring Value	Points Awarded	Points Possible
Ratio of Observed Fatal and Serious Injuries to Observed Total Crashes	0.10	20	30
Percentage of the Potential for Safety Improvement to Total Expected Crashes	0.00%	0	20
Relative Severity Index	36,895.43	14	20
Equivalent Property Damage Only Index	3.48	10	20
Location Equity Measure	10.00%	2	10
<b>Total</b>		<b>46</b>	<b>100</b>

## SCHEDULE

	2023				2024				2025				2026				2027				2028			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Safety Study																								
Funding Selection																								
Preliminary Eng.																								
Environmental																								
ROW Acquisition																								
Final Plans																								
Award Const.																								
Construction																								

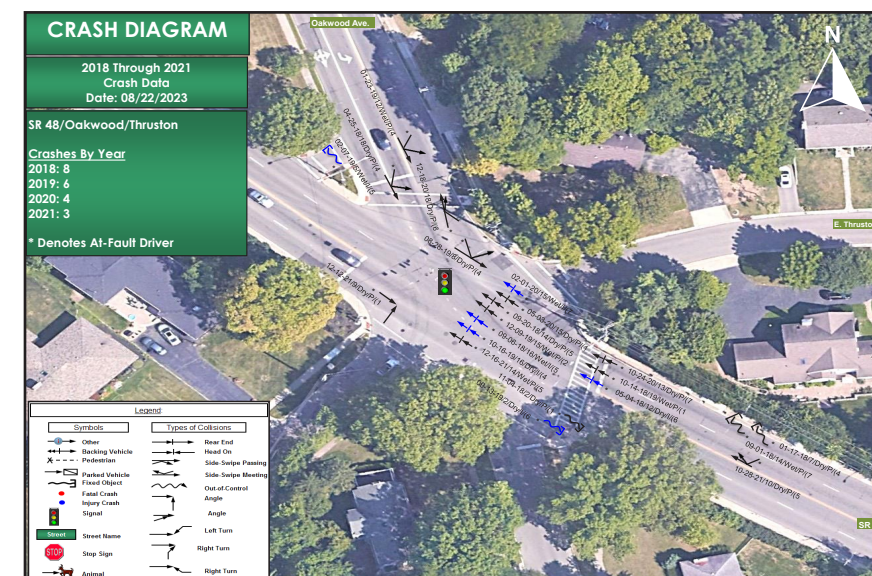
\* Selection of Design Consultant

**0.39 B/C Ratio**

NPV OF SAFETY BENEFITS: \$2,096,972

## PROJECT FUNDING

Project Phase	Safety Study	Interchange Mod. Study	PE - Environmental	PE - Detailed Design	Right of Way /Utilities	Construction	Total
Fiscal Year	2023		2024	2025	2026	2027	
Project Phase Completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A	
Previous Safety							\$0.00
New Safety			\$50,000.00	\$450,000.00	\$170,000.00	\$4,305,109.00	\$4,975,109.00
Sponsor Funding	\$228,507.00		\$350,000.00	\$0.00	\$0.00		\$578,507.00
<b>Total</b>	<b>\$228,507.00</b>	<b>\$0.00</b>	<b>\$400,000.00</b>	<b>\$450,000.00</b>	<b>\$170,000.00</b>	<b>\$4,305,109.00</b>	<b>\$5,553,616.00</b>



## CRASH DIAGRAM