

SAFETY APPLICATION SUMMARY

CUY-271-8.36 Local & Express Lanes & Cedar Road/Brainard Road Interchange

District 12

Cuyahoga County, Ohio
August 2021

Priority Ranking

The following rankings were found on the 2018 Safety Priority List:

- Urban Freeway Segment #12, #62, #350, #458, #833 & #1173
- Urban Ramp Segments #98 & #359

Crash Data

CATEGORY	DATA	SCORE
Ratio of Fatal and Serious to Total	0.02	4 / 30
% Potential for Safety Improvement	11.12%	8 / 20
Relative Severity Index	\$33,528.28	12 / 20
Equivalent Property Only Index	2.70	8 / 20
Location Equity Measure	6.90%	0 / 10
Total Project Score		32 / 100

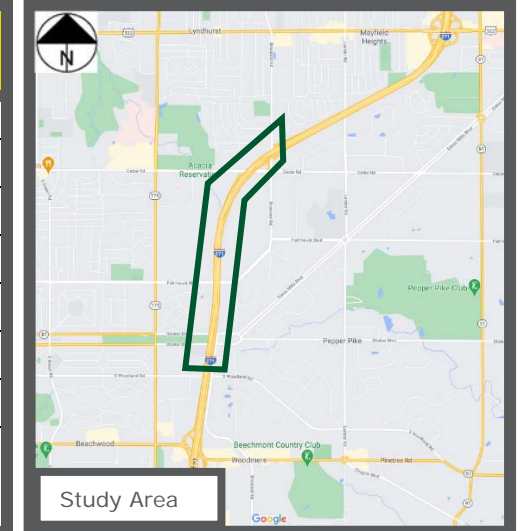
Proposed Countermeasures

- Widen and lengthen the exit ramp for NB I-271 traffic to Cedar Road / Brainard Road to prevent exiting traffic from queuing onto the I-271 mainline.
 - The new ramp would provide 5,600 feet of storage which is quadruple the distance provided today.
- Reverse the I-271 NB Local to Express Ramps that are located south of the Cedar Road / Brainard Road interchange.
 - This reversal provides traffic an additional 3,000 feet to make the 3 lane changes necessary to go from the Express Lanes to the Cedar Road / Brainard Road exit ramp.

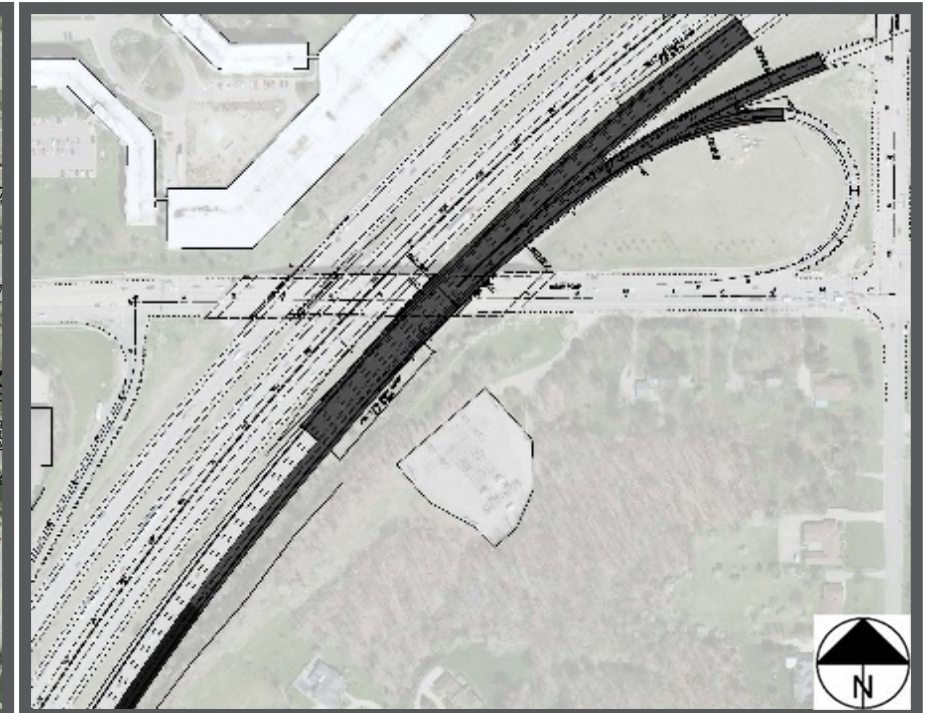
Project Funding

PROJECT PHASE	ODOT FY	NEW SAFETY	DISTRICT ALLOCATION	TOTAL
IMS / IOS:	N/A	\$0.00	\$0.00	\$0.00
Env. / Prelim. Eng.:	2022	\$0.00	\$470,000.00	\$470,000.00
Detailed Design:	2023	\$0.00	\$234,000.00	\$234,000.00
ROW / Utilities:	2024	\$0.00	\$0.00	\$0.00
Construction:	2026	\$2,300,000.00	\$1,589,640.00	\$3,889,640.00
Total:		\$2,300,000.00	\$2,293,640.00	\$4,593,640.00

ODOT District 12 has been interested in implementing these improvements for over 5 years, as evidenced by the approved IMS from June 22nd, 2015. ODOT District 12 is requesting construction funding only for this improvement and will use district allocation to cover the approximately \$1.5 million in funds not requested from the safety committee.



Crash diagram near the I-271 NB / Brainard Road / Cedar Road interchange



Crash diagram south of the Cedar Road overpass.

