

CORRIDOR STUDY

Scioto Darby Road/Walcutt Road
AND
Scioto Darby Road/Leap Road

Presented by:

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October 15, 2018 – 5:30 PM to 7:00 PM

Columbus Metropolitan Library, Hilliard Branch, Room 1A

4500 Hickory Chase Way, Hilliard, OH 43026



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PROJECT AREA MAP



STUDY BACKGROUND AND PURPOSE

Findings of previous study

Evaluate alternatives that work for both cities

Improve traffic flow

Enhance safety

Supports the Hilliard Comprehensive Plan

EXISTING ISSUES

SCIOTO DARBY RD AT WALCUTT RD

Northbound and eastbound delays in AM

Westbound delays in PM

No turn lanes

EXISTING ISSUES

SCIOTO DARBY RD AT LEAP ROAD/DARBY GLEN

Eastbound delays in AM

Southbound and westbound delays in PM

Nearing max capacity for a stop controlled intersection

Driver hesitation due to multiple approach lanes

Lack of sight distance for eastbound to southbound movement

EXISTING TRAFFIC

2018

Play video of drone footage of
existing traffic flow

FUTURE TRAFFIC (without Improvements)

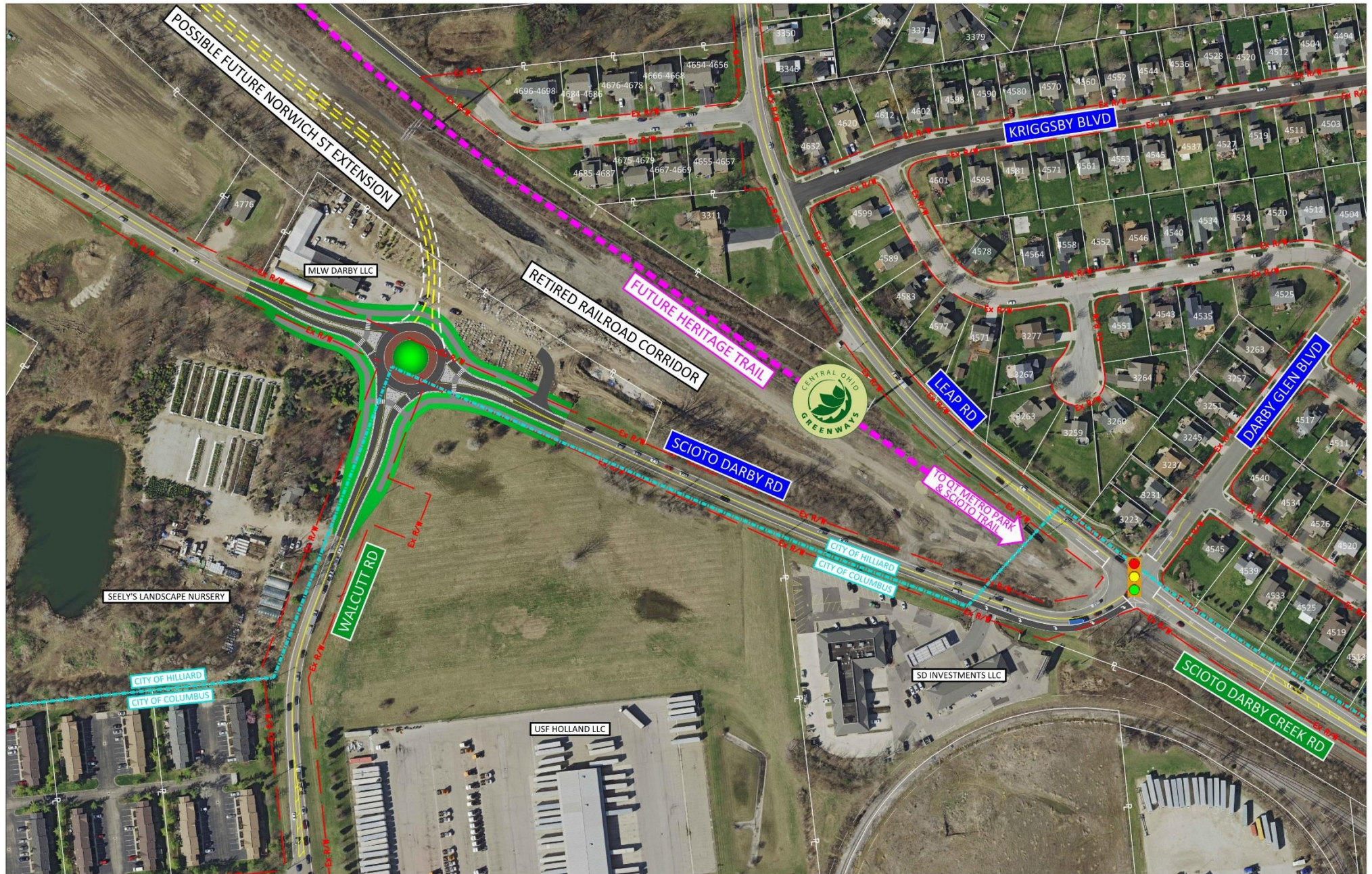
2045 NO BUILD

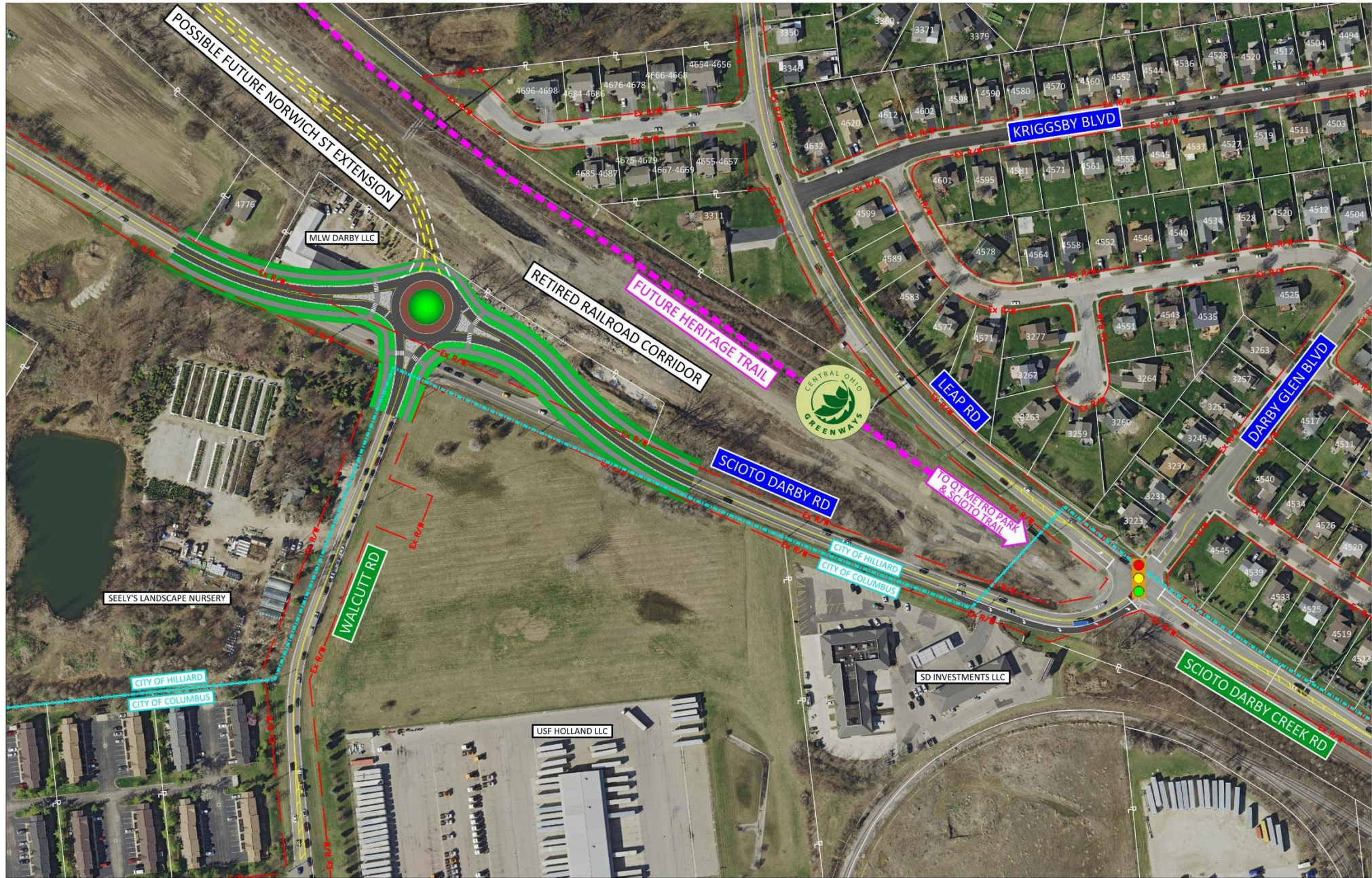
Play video of simulated traffic flow
in the 2045 No Build scenario

Development & Screening of Alternatives

- Six alternatives initially developed
- Two alternatives screened out
- Four alternatives presented for consideration

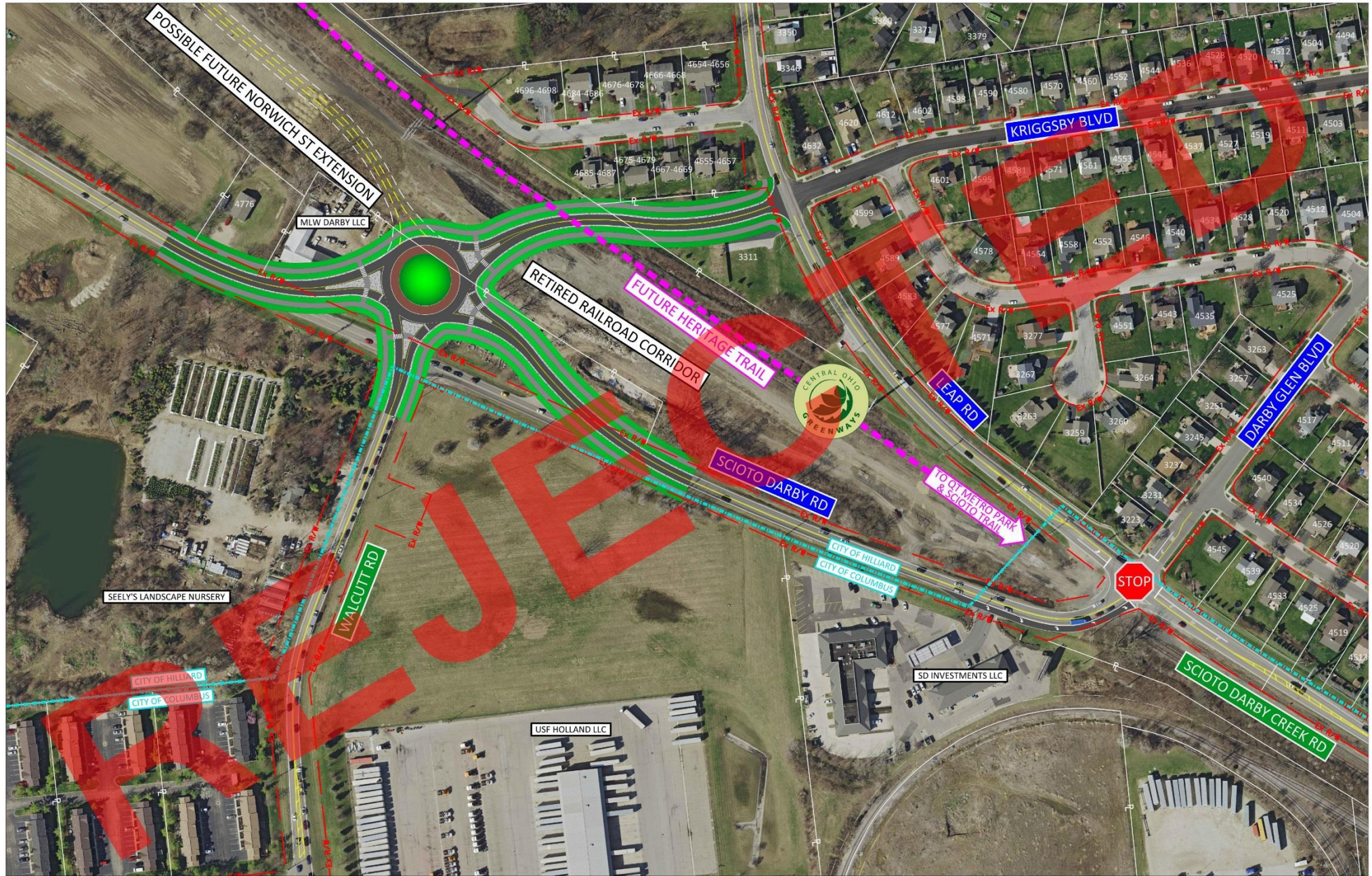
- Possible future extension of Norwich Street evaluated in alternatives
 - Hilliard Comprehensive Plan

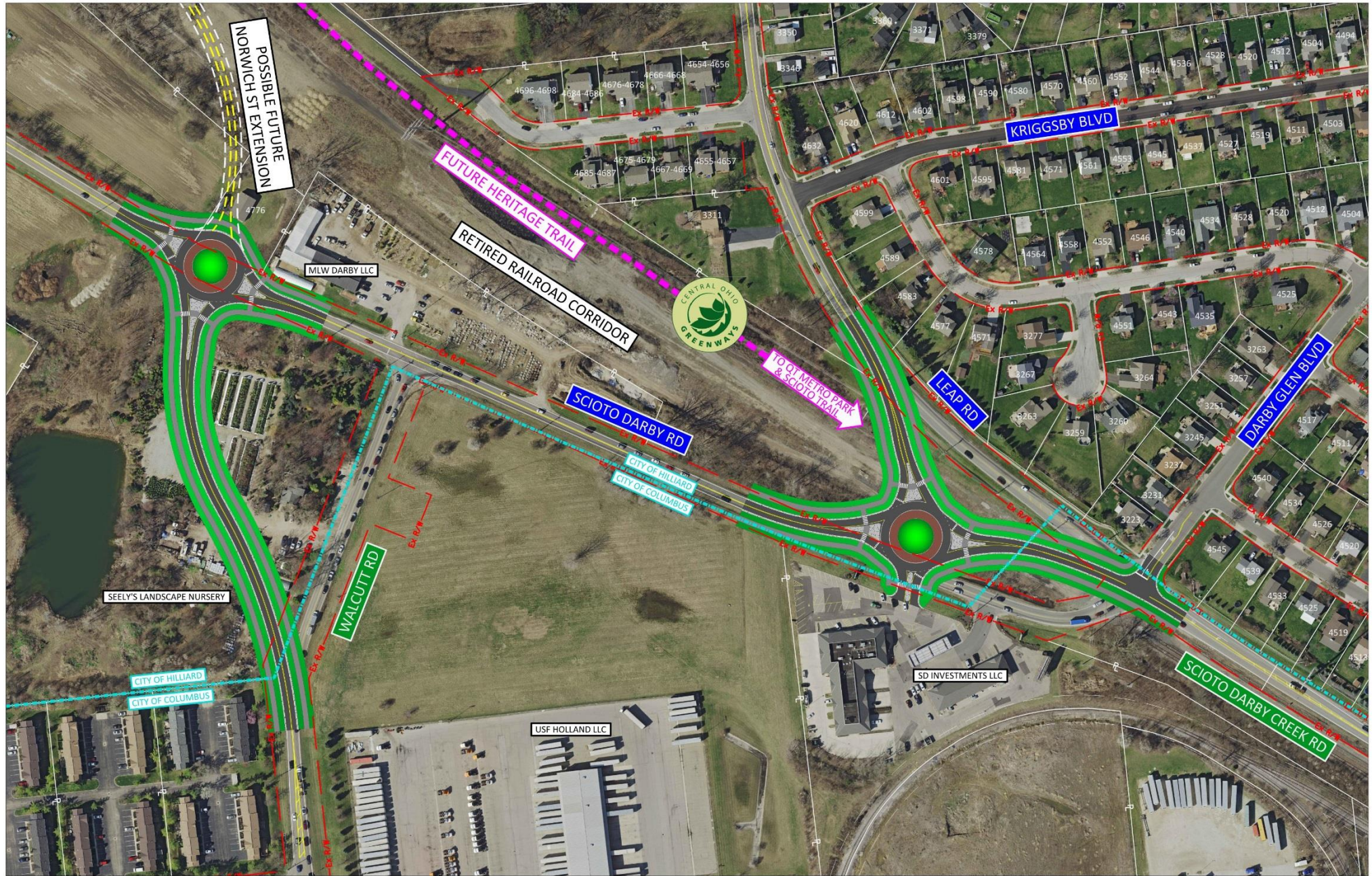


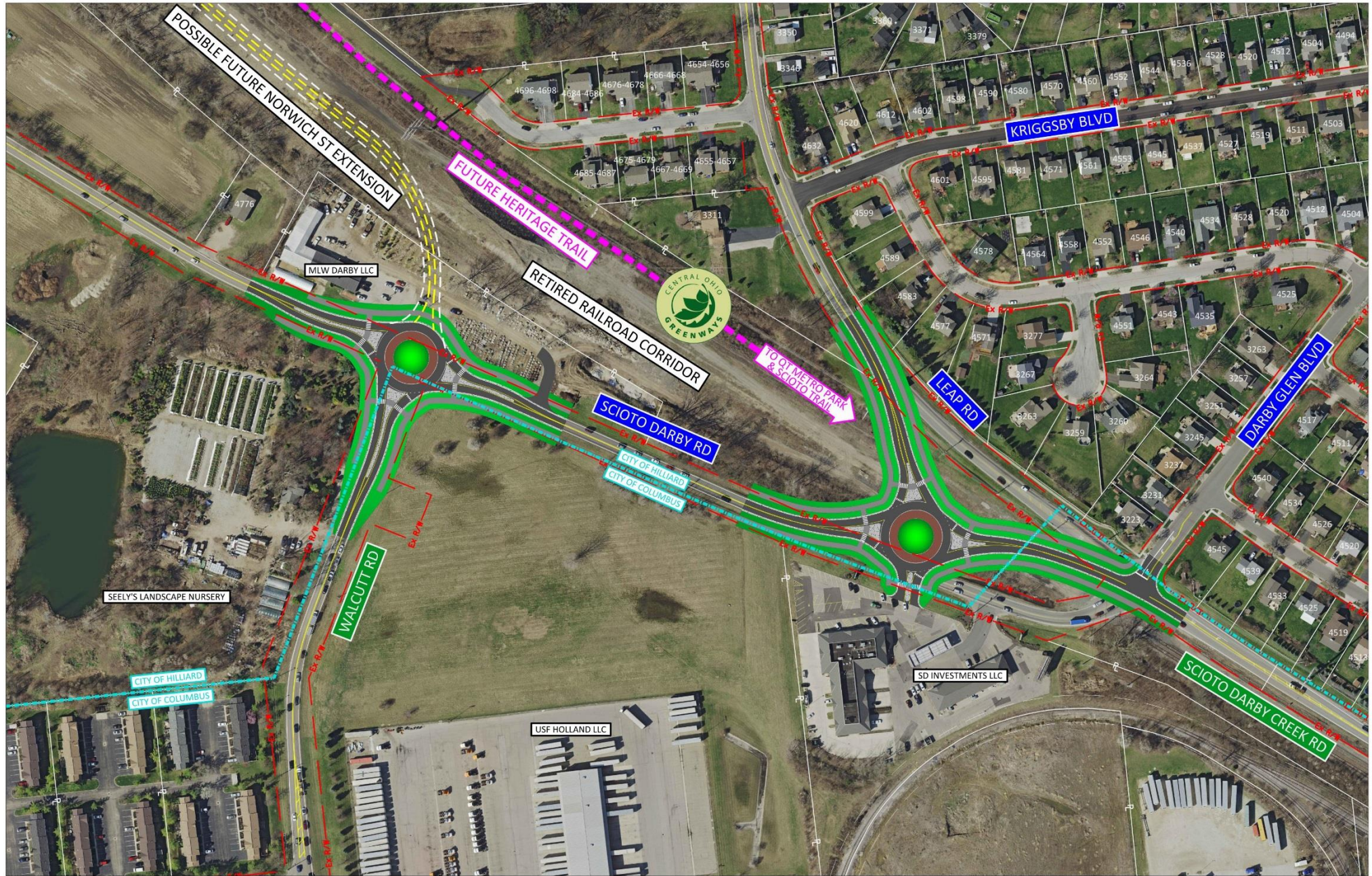


ALTERNATIVE 1 (2) AM AND PM 2045 DESIGN

Play video of simulated traffic flow for
Alternative 1 & 2



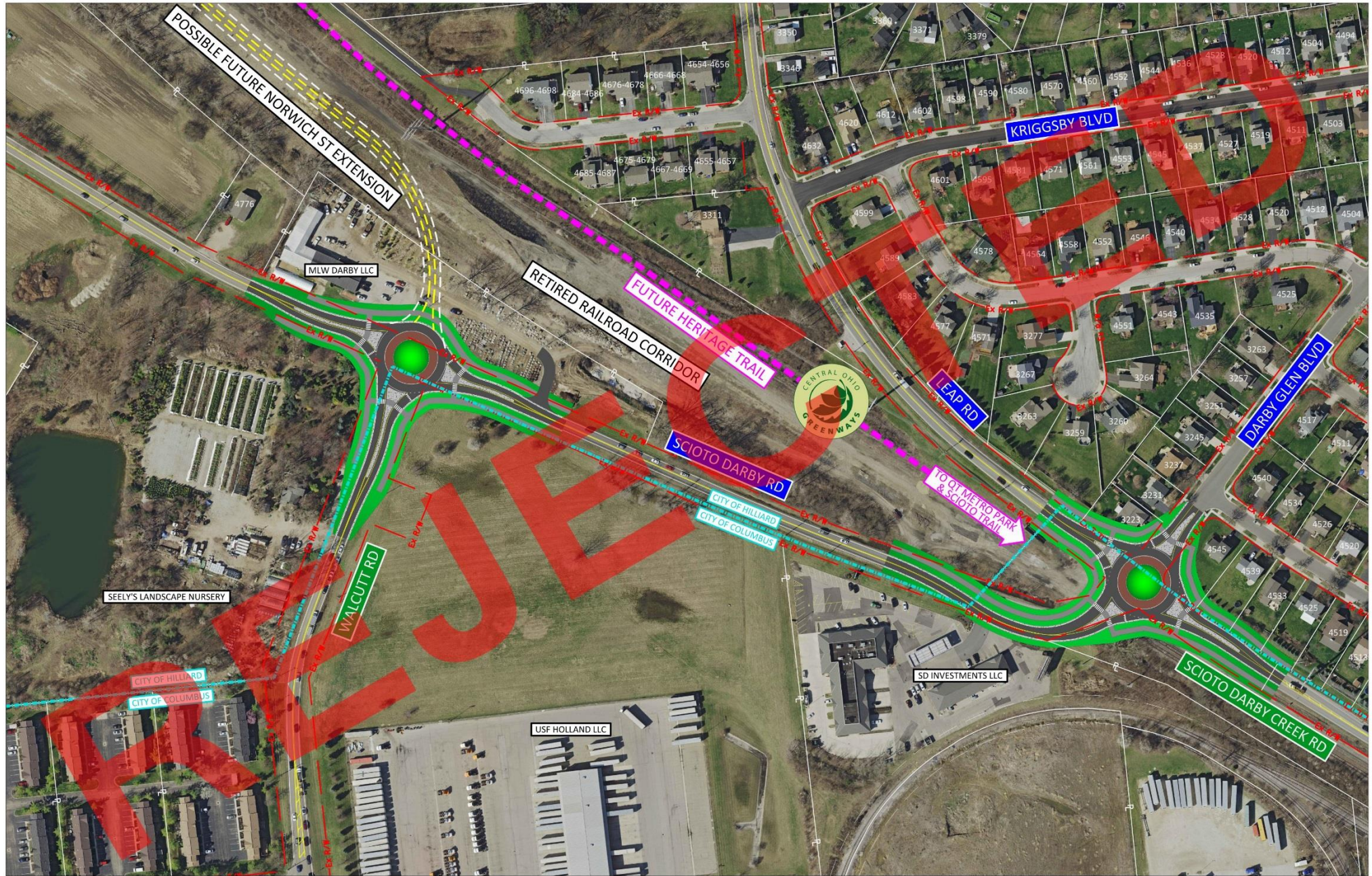




ALTERNATIVE 4 (5) AM AND PM

2045 DESIGN YEAR

Play video of simulated traffic flow for
Alternative 4 & 5



Alternative	2045 Design Year Decision Matrix				
	Criteria				
	Delay (seconds)	Level of Service	Right-of-Way Required		Construction Cost (\$Million)
Acres			Properties Impacted		
No Build	171.2	F	0	0	\$0
Alternative 1	15.9	B	0.58	3	\$1.40M - \$1.65M
Alternative 2	15.9	B	2.57	5	\$1.60M - \$1.85M
Alternative 4	10.3	B	6.58	8	\$3.00M - \$3.25M
Alternative 5	10.3	B	2.54	7	\$2.75M - \$3.00M

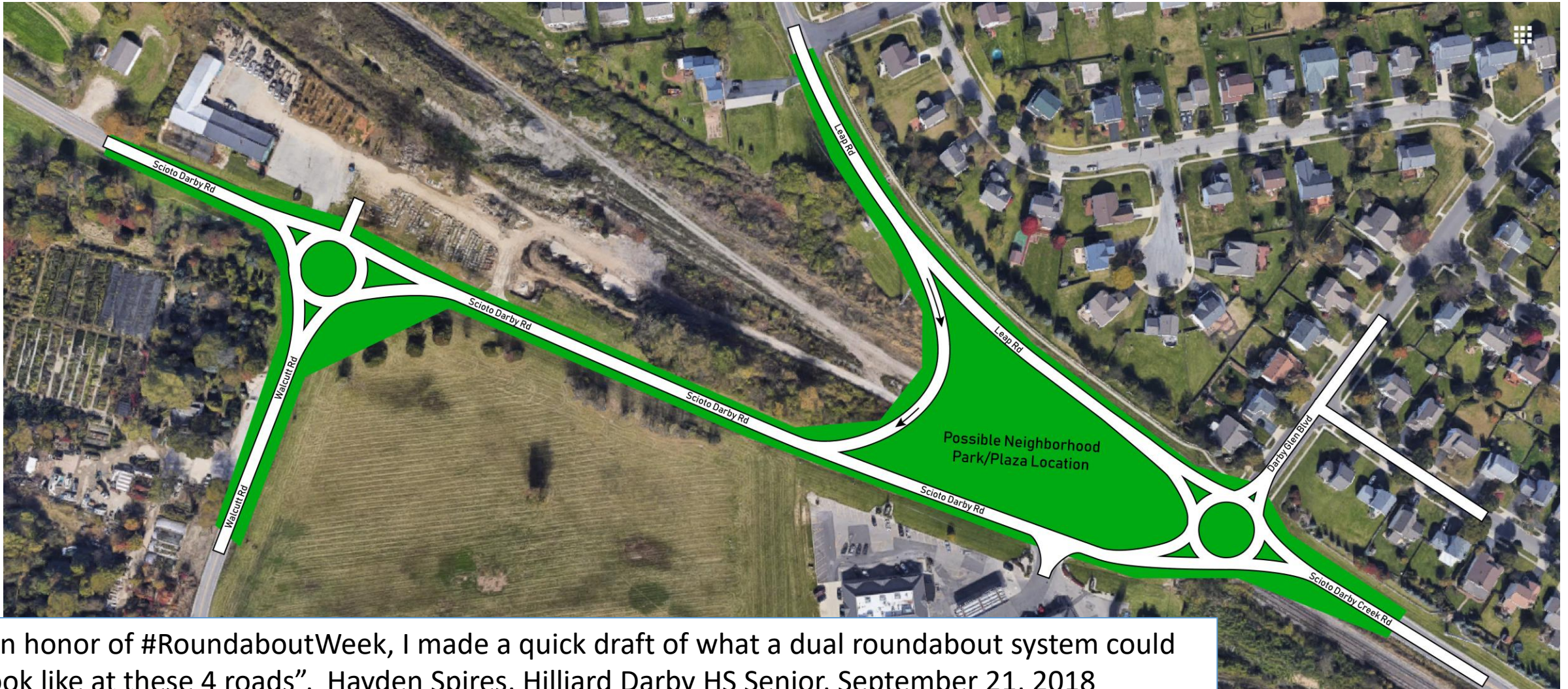
Criteria	Definition
Delay	The amount of time spent in a stopped condition at an intersection due to traffic.
Level of Service	A qualitative measure describing the operational flow of traffic where A is best and F is worst.
Right-of-Way Required	The amount of additional right-of-way required in order to construct the proposed improvements.
Construction Cost	The cost to construct the proposed improvements.

NEXT STEPS

Fill out and submit questionnaire

Look ahead schedule

Hilliard Darby Student Concept Suggestion



“In honor of #RoundaboutWeek, I made a quick draft of what a dual roundabout system could look like at these 4 roads”, Hayden Spires, Hilliard Darby HS Senior, September 21, 2018

#RoundaboutsWeek

#RoundaboutRules

YIELD to **BOTH** lanes

At multi-lane roundabouts,
YIELD to BOTH lanes!



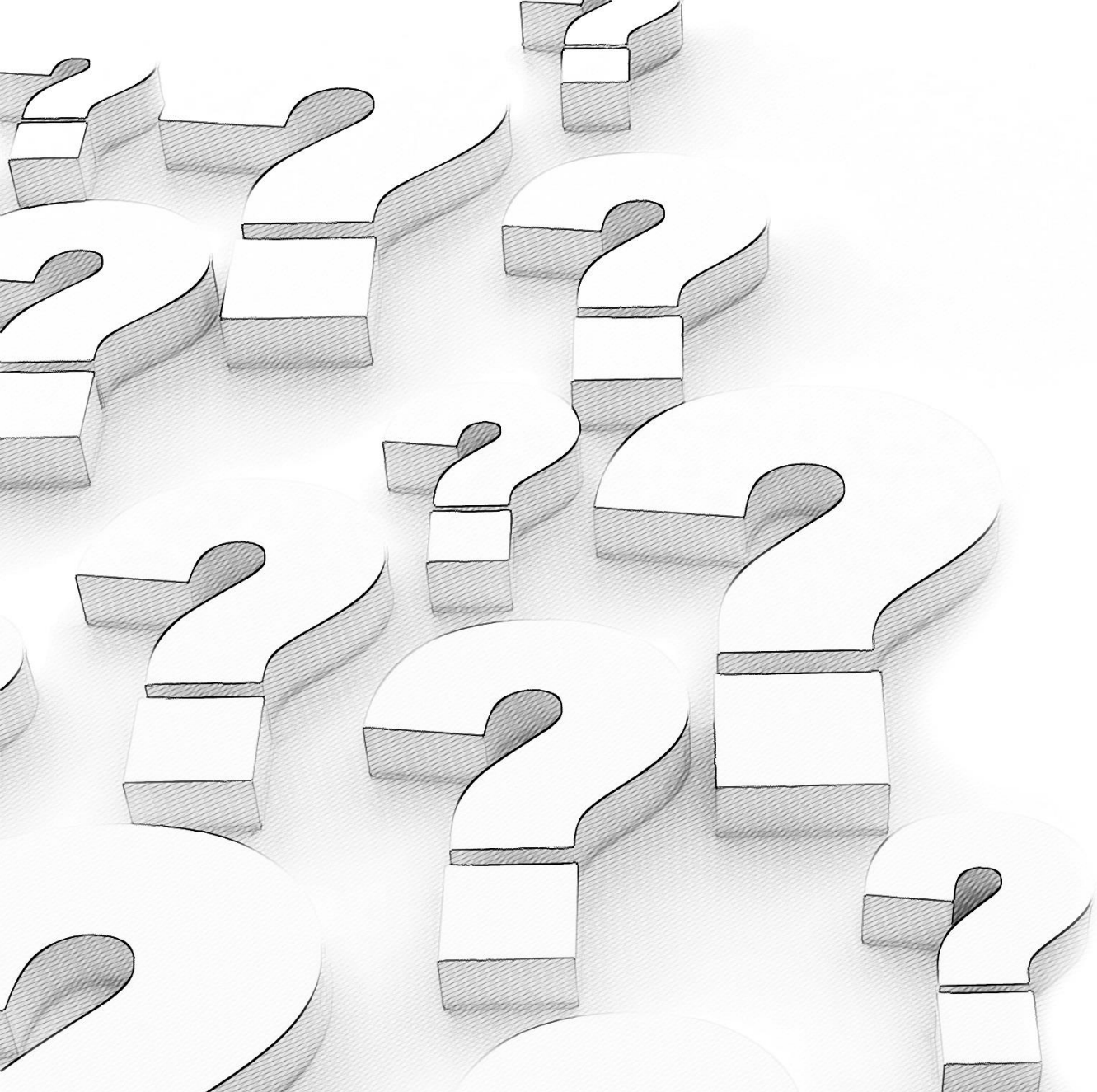
Check the signs to choose the correct lane

Would you make
a LEFT turn from
this lane?



Then don't make a
left turn from this one





Q & A

THANK YOU FOR YOUR TIME!



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