



Hwy 61 London Road Improvements

SP 6925-145 FY 2025

March 15, 2023

Thomas Lamb, PE | Project Manger – MnDOT

Project Location



Project Status/Cost

- Preliminary Design/Project Scope: Complete
- Environmental Document Review/Final Design: 2023 -2024
- Construction: 2025 and 2026
- Estimated Construction Cost: \$16.8M
 - Federal, State, and Local Funds

Final Project Scope

- Pavement resurfacing (asphalt mill and overlay) from 29th Ave E to Lester River
- Roundabouts at 26th Ave E, 40th Ave E, and 60th Ave E
- Lane reconfiguration/re-striping throughout corridor
 - NB (project eastbound) left turn lanes at 32nd, 36th, 42nd, 43rd, 45th, 47th, 51st, 54th, and 58th
 - Bikeable shoulders or bike lane
 - Reduce throughlane width to 11 ft
- Enhanced Pedestrian Crossings with raised refuge islands at 32nd, 36th, 42nd, 43rd, 45th, 47th, 51st, and 58th

Final Project Scope

- ADA Improvements/Partial Walk Replacement
- New walk, inland side 29th Ave E to 40th Ave E
- Lakewalk trail connections: inland side at 29th Ave E and west side of 40th Ave E
- Storm drainage improvements 30th Ave E to 40th Ave E
- Boulevard Tree Removal/Replacement
- Stormwater Filtration Basins

26th Avenue East Roundabout

Intersection Analysis Overview

➤ 2022 - Intersection Study

➤ Signal is at the end of its useful Life

➤ Alternatives Studied:

➤ Traffic Signal Replacement

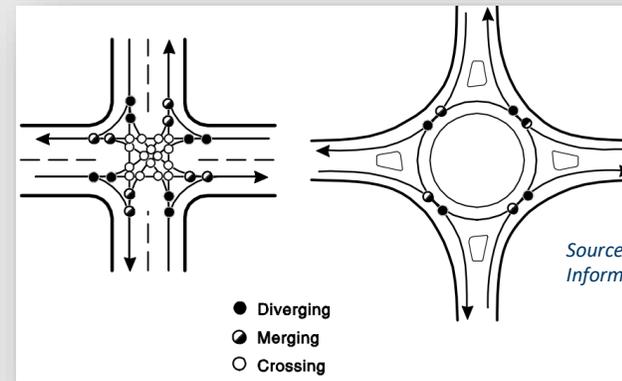
➤ Roundabout

➤ Recommendation: Roundabout

26th Avenue East Roundabout

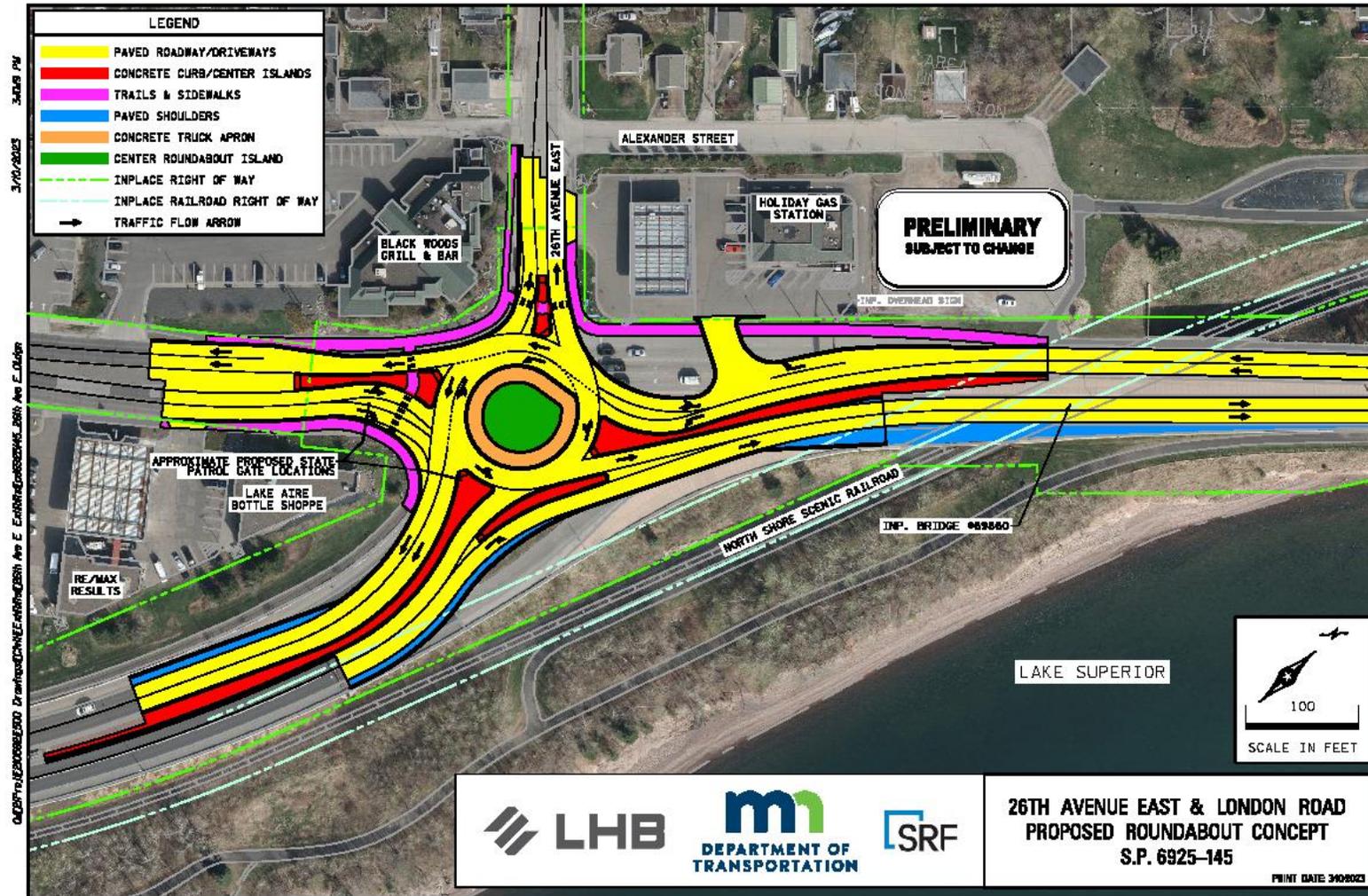
Intersection Study Alternatives Comparison

Intersection Control Alternative	Decreases Congestion / wait times	Improves Turning Movements	Traffic Calming (slow traffic down)	Improves vehicular safety	Improves pedestrian and bicycle mobility and safety	Right of Way Considerations
Traffic Signal Replacement	Moderate Improvement	Moderate Improvement	No Improvement	No Improvement	No Improvement	No Impact
Roundabout <i>(single-lane with dual westbound lanes)</i>	Major Improvement	Major Improvement	Major Improvement	Major Improvement	Major Improvement	Moderate Impact



Source: TRB. "NCHRP Report 672 – Roundabouts: An Informational Guide, Second Edition", September 2012.

Preliminary Roundabout Layout 26th Ave E



40th Avenue East Roundabout

Intersection Analysis Overview

- **2020** – Intersection Study Completed
 - Signal at the end of its useful life
 - Alternatives Studied:
 - Traffic Signal Replacement
 - Roundabout
 - Recommendation: Roundabout

40th Avenue East Roundabout

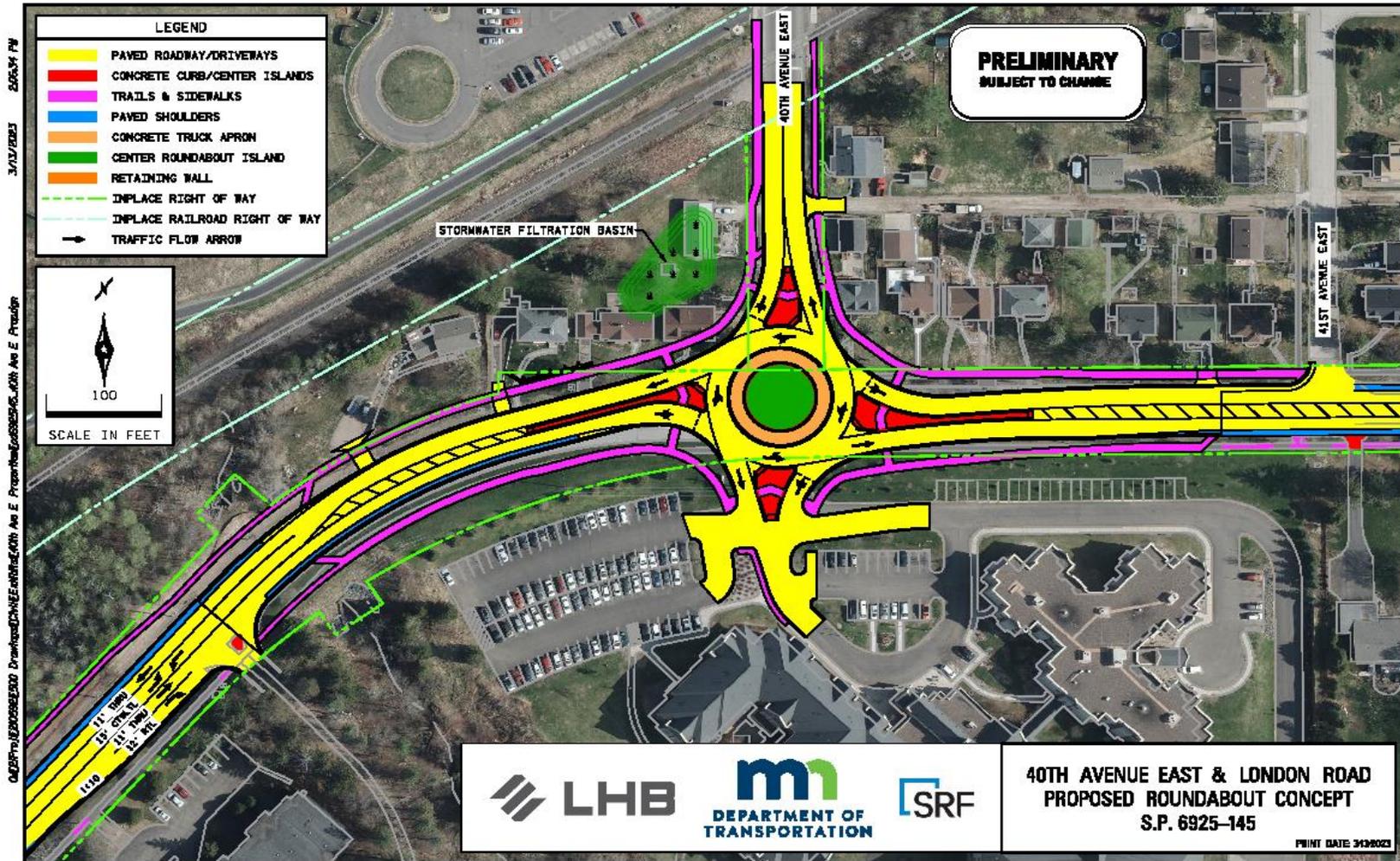
Intersection Study Alternatives Comparison

Intersection Control Alternative	Decreases Congestion / wait times	Improves Turning Movements	Traffic Calming (slow traffic down)	Improves vehicular safety	Improves pedestrian and bicycle mobility and safety	Right of Way Considerations
Traffic Signal Replacement	No Improvement	No Improvement	No Improvement	No Improvement	No Improvement	Moderate Impact**
Roundabout (<i>single-lane</i>)	Moderate Improvement*	Major Improvement	Major Improvement	Major Improvement	Major Improvement	Negative Impact

* During “peak hour”, average London Road congestion/wait times are rather similar to a traffic signal, however vehicle congestion to/from 40th Avenue E and Ecumen are greatly improved. Roundabout designed to allow for expansion to 2-lanes along London Road, if traffic volumes significantly increase.

** Intersection curves, turn lanes, sidewalks would still require some right-of-way acquisition.

Preliminary Roundabout Layout 40th Ave E



60th Avenue East Roundabout

Intersection Analysis Overview

- **2022** – Intersection Study
 - Reviewed: *Public Comments from 2021 London Road Community Survey*
 - *Difficult Left Turn Movements*
 - *Vehicle Speeding Issues*
 - *Difficult London Road Pedestrian Crossings*
 - *Sight Line Issues*
 - Determined: *Intersection Study needed based on public concerns*
 - Studied Intersection: *Verified public concerns*
 - Alternatives Reviewed:
 - *Traffic Signal*
 - *Enhanced Pedestrian Crossing*
 - *Roundabout*
 - Recommendation: *Roundabout*

60th Avenue East Roundabout

Intersection Study Alternatives Comparison

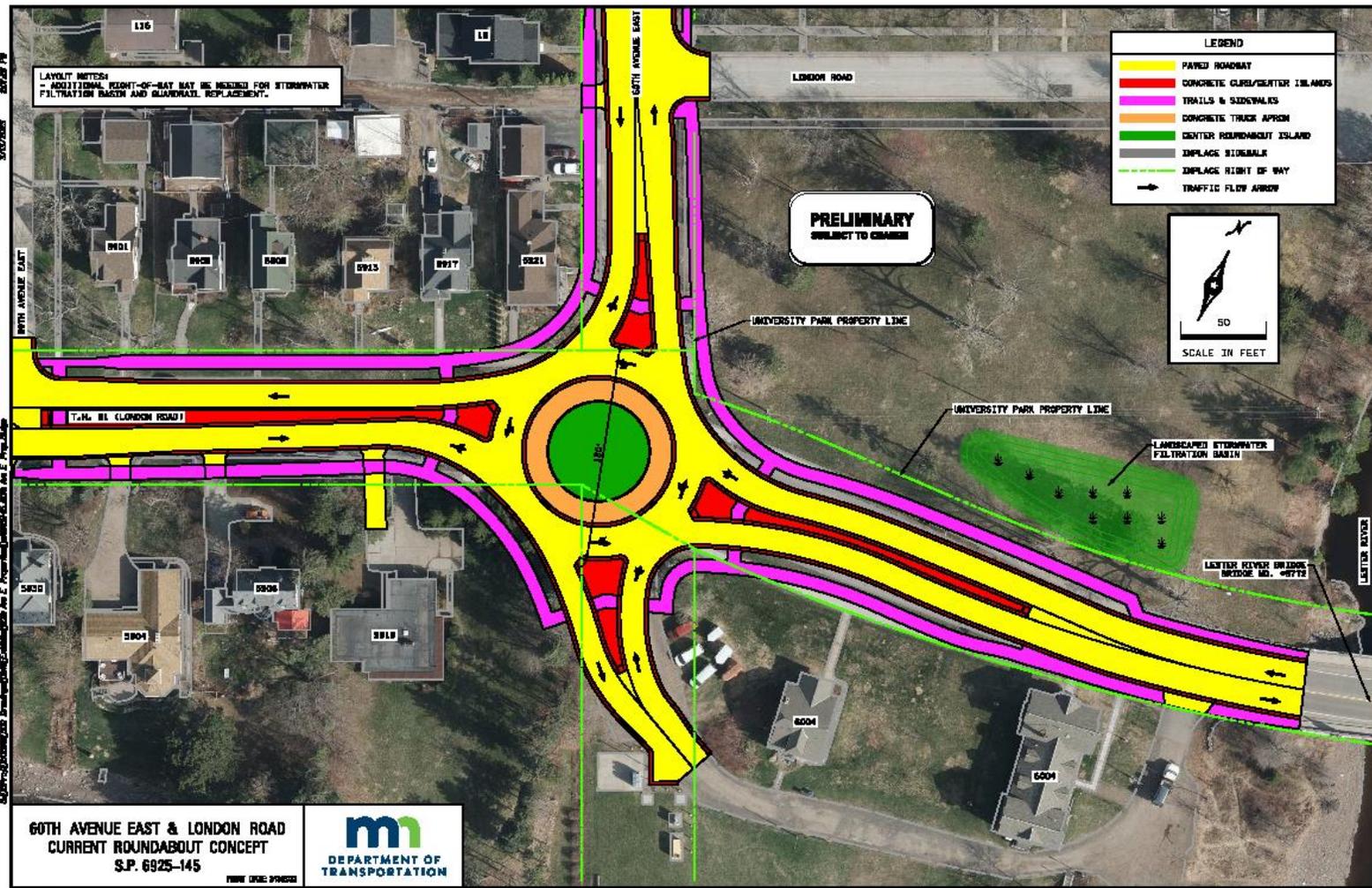
Intersection Control Alternative	Decreases Congestion / wait times	Improves Turning Movements	Traffic Calming (slow traffic down)	Improves vehicular safety	Improves pedestrian and bicycle mobility and safety	Mitigates sight line issues	Right of Way Considerations
2-Way Stop Control with raised pedestrian refuge island	No Improvement	No Improvement	Low Improvement	Low Improvement	Moderate Improvement	Moderate Improvement	Moderate Impact***
Traffic Signal*	Negative Impact	Major Improvement	Low Improvement	Moderate Improvement	Moderate Improvement	Moderate Improvement	Moderate Impact***
Roundabout (single-lane)	Major Improvement**	Major Improvement	Major Improvement	Moderate Improvement	Major Improvement	Major Improvement	Negative Impact

* Intersection does not meet warrants (guidelines) required by policy for installing a permanent traffic signal but evaluated for comparison and as a response to public input.

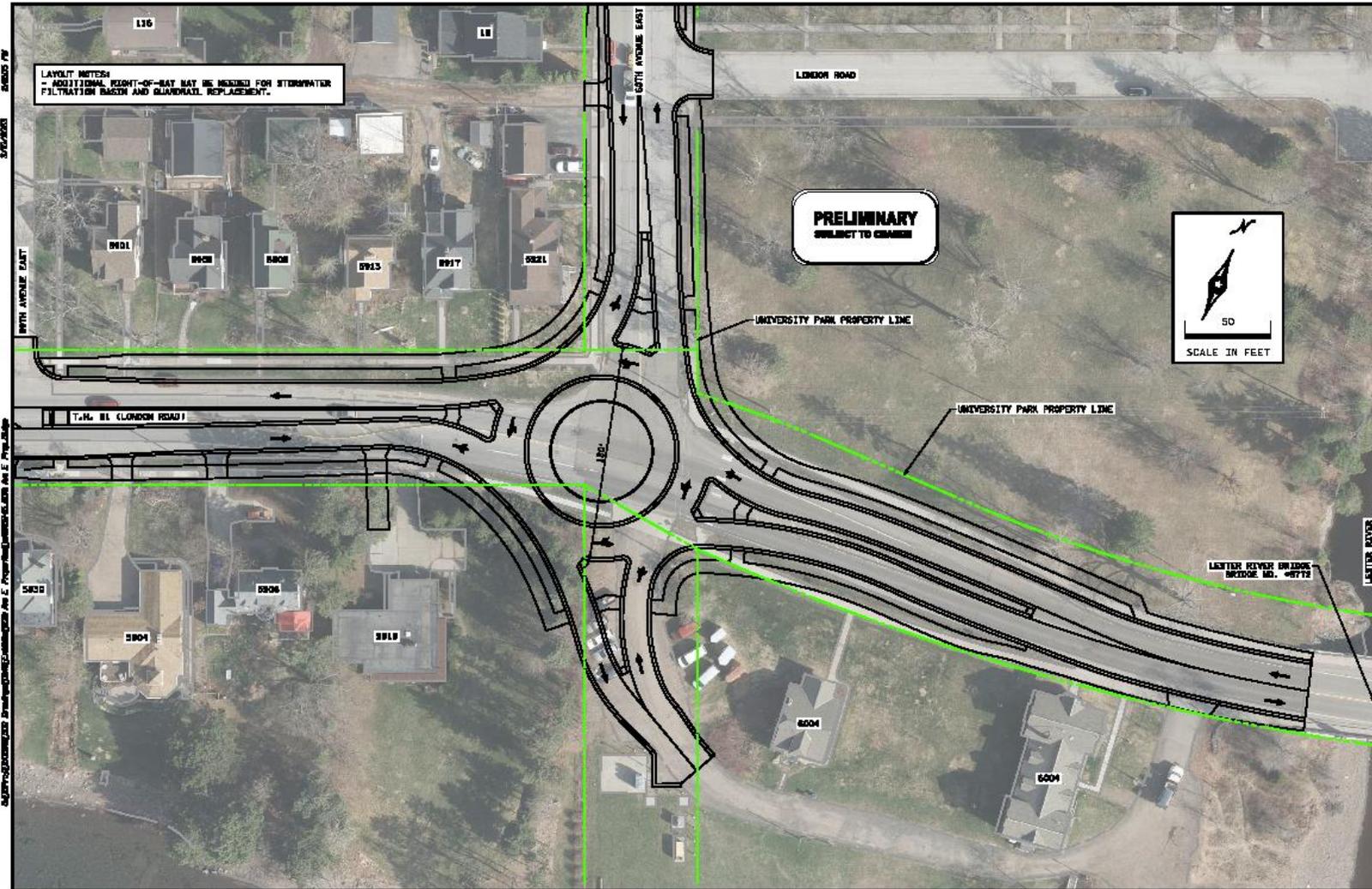
** Overall impact to wait times/congestion along London Road rather negligible, however a major improvement to movements from 60th Avenue E. Also, better handles congestion along 60th Ave E if traffic volumes increase.

*** Some additional right-of-way would be required to improve sight distances.

Preliminary Roundabout Layout 60th Ave E



Preliminary Roundabout Layout 60th Ave E



Questions

Thank you

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Project Website: www.dot.state.mn.us/d1/projects/londonroad