

Welcome



CSAH 54 Corridor Study

Open House

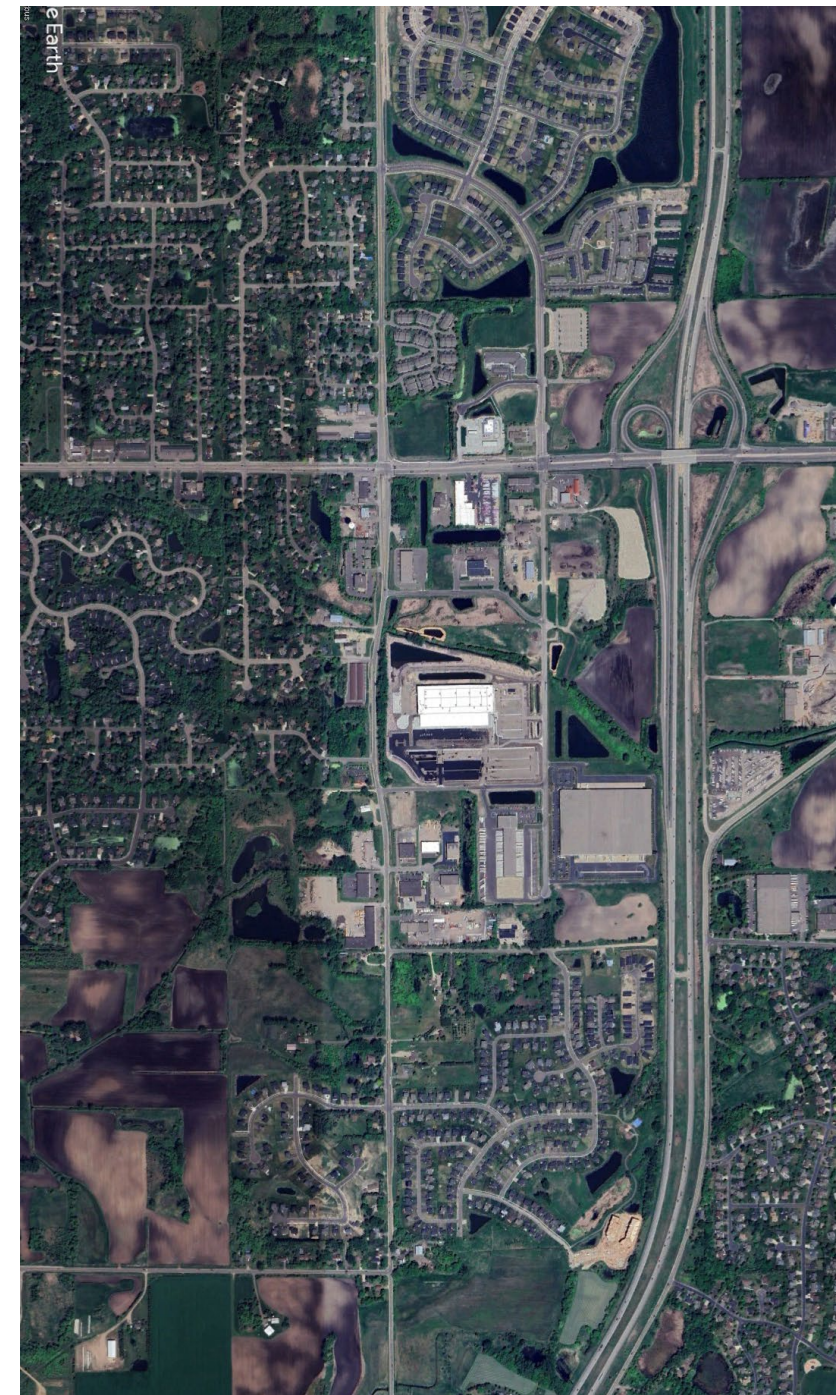
August 29, 2023

Presentation at 5:15



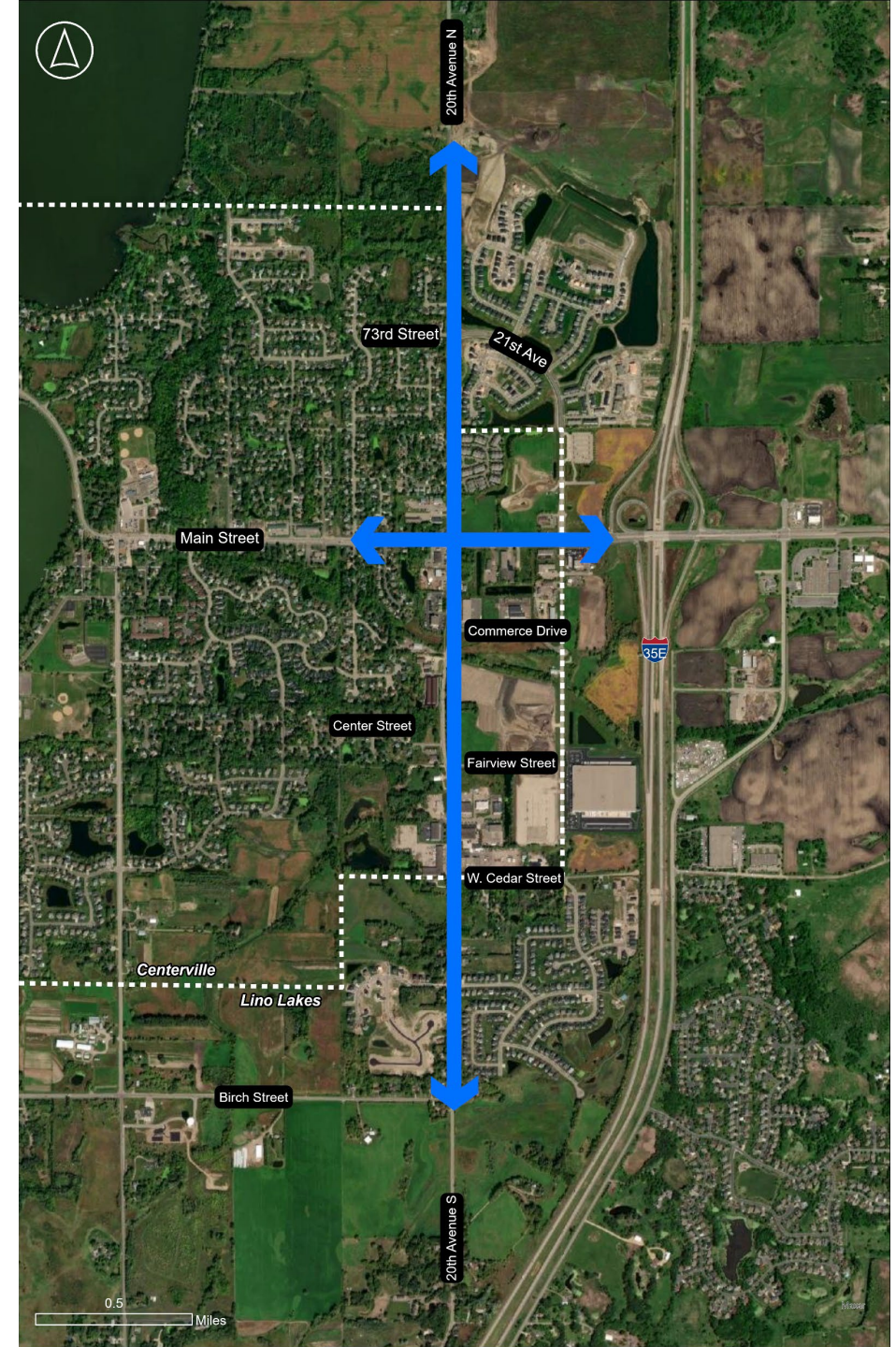
Study Background

- Recent area development:
 - Amazon (2022-23)
 - Sutton Transport (2022-23)
 - Kwik Trip (2023)
- Several other area developments in the pipeline
- Funds were set aside as part of the Amazon approval process for area infrastructure improvements, spurring the need to take a more comprehensive look at the future CSAH 54 vision and help prioritize future investment
- No programmed improvements at this time
 - Likely 5 to 10 years out, potential for spot changes sooner



Study Overview / Goals

- Study Limits:
 - CSAH 54 / 20th Avenue
(73rd Street/21st Avenue to CSAH 34 / Birch Street)
 - CSAH 14 / Main Street
(21st Avenue)
- Goals:
 - Identify **existing and future issues / needs**
(safety, mobility, access)
 - Develop and evaluate **potential infrastructure improvements** to address identified issues and needs (traffic controls, roadway connections, etc.)
 - **Recommend short- and long-term improvements**



Issues & Needs



Safety and Crash History



Environment



Transportation Network



Land Use / Forecasts



Access

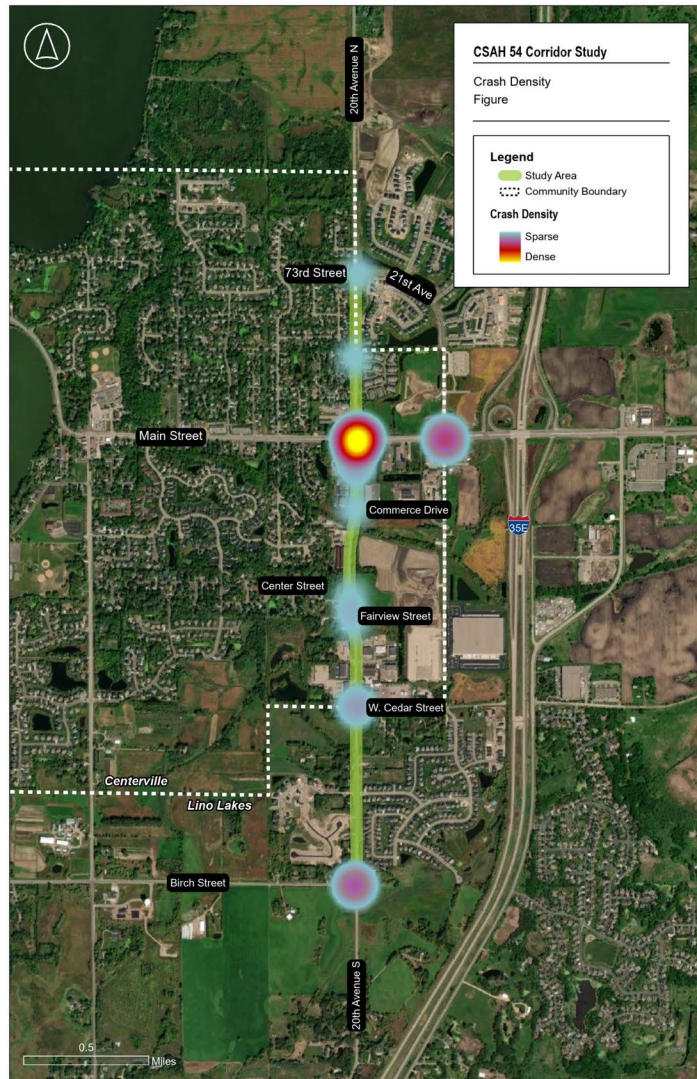


Traffic Operations

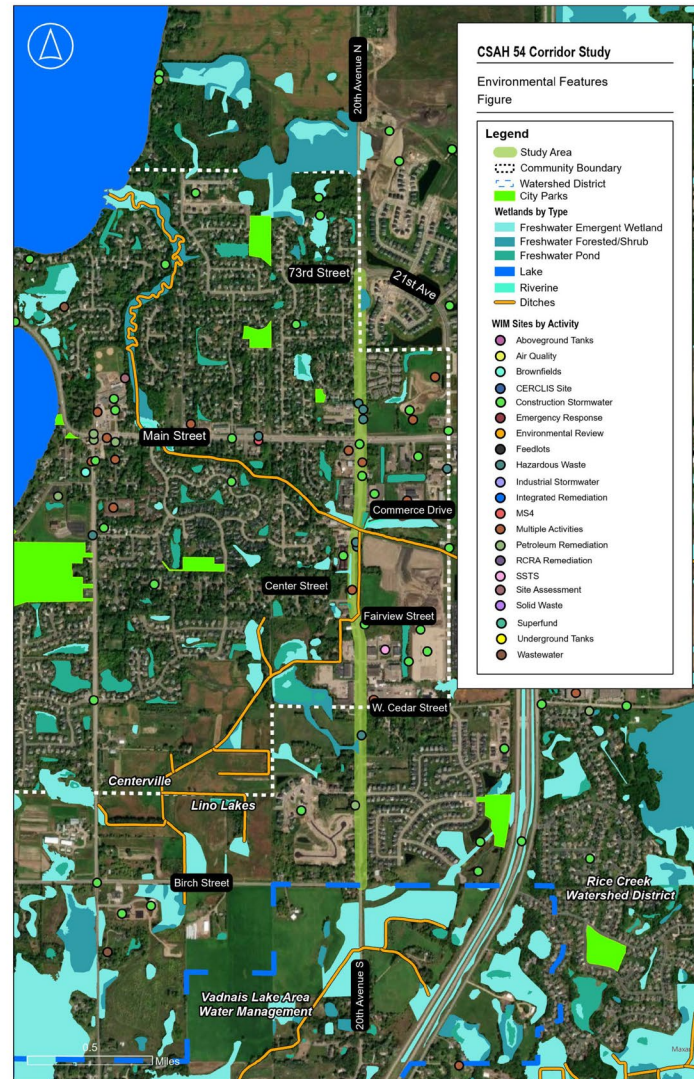


Future Roadways / Vision

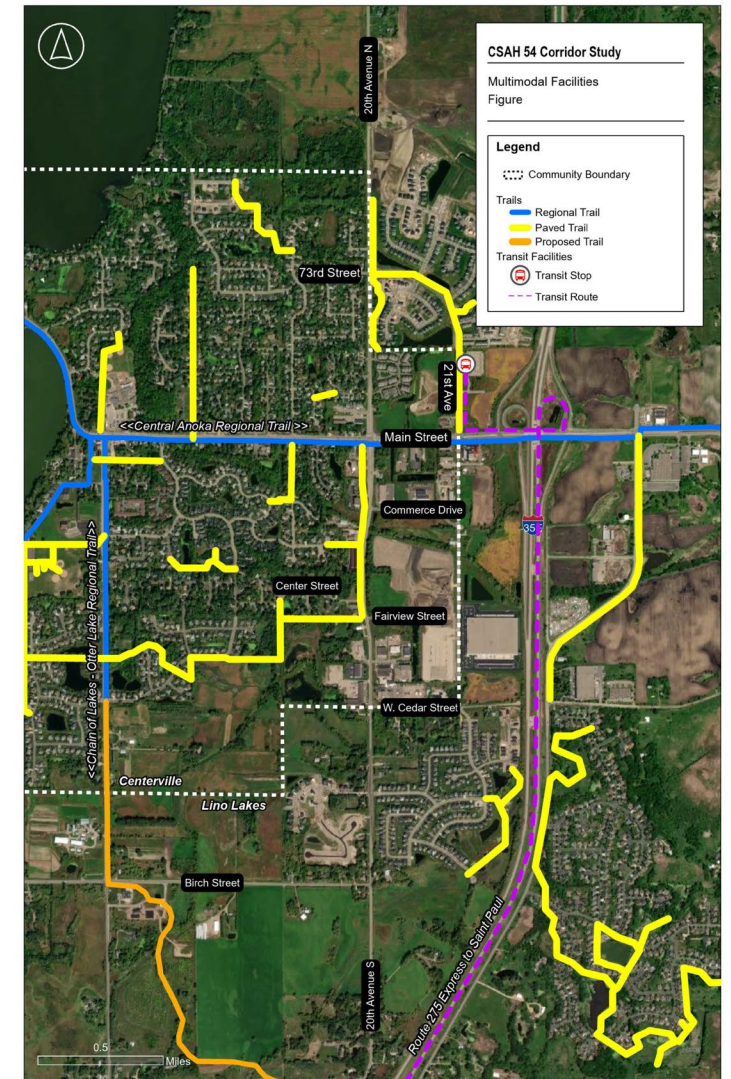
Existing Conditions



Crash Density



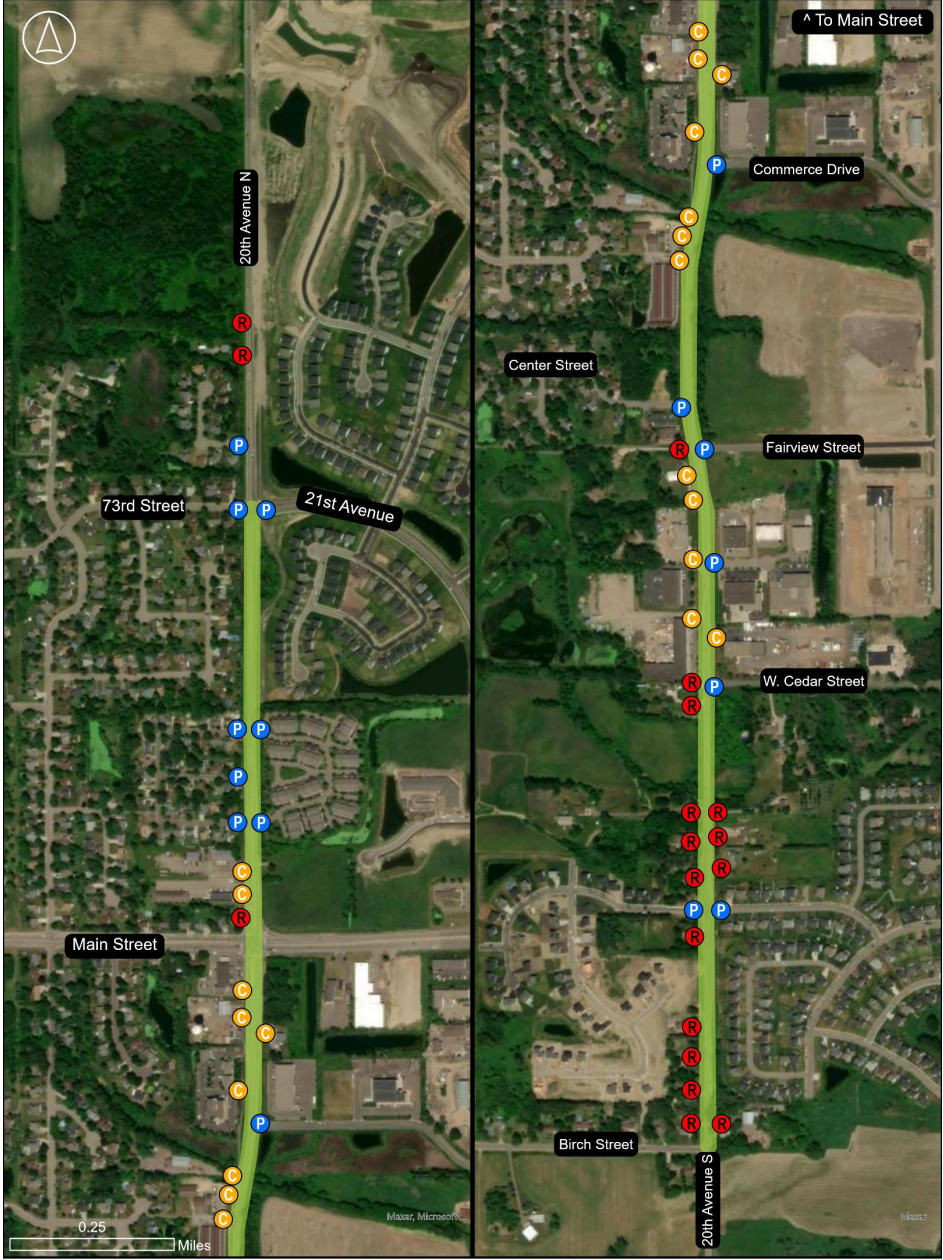
Environmental Features



Multimodal Facilities

Access

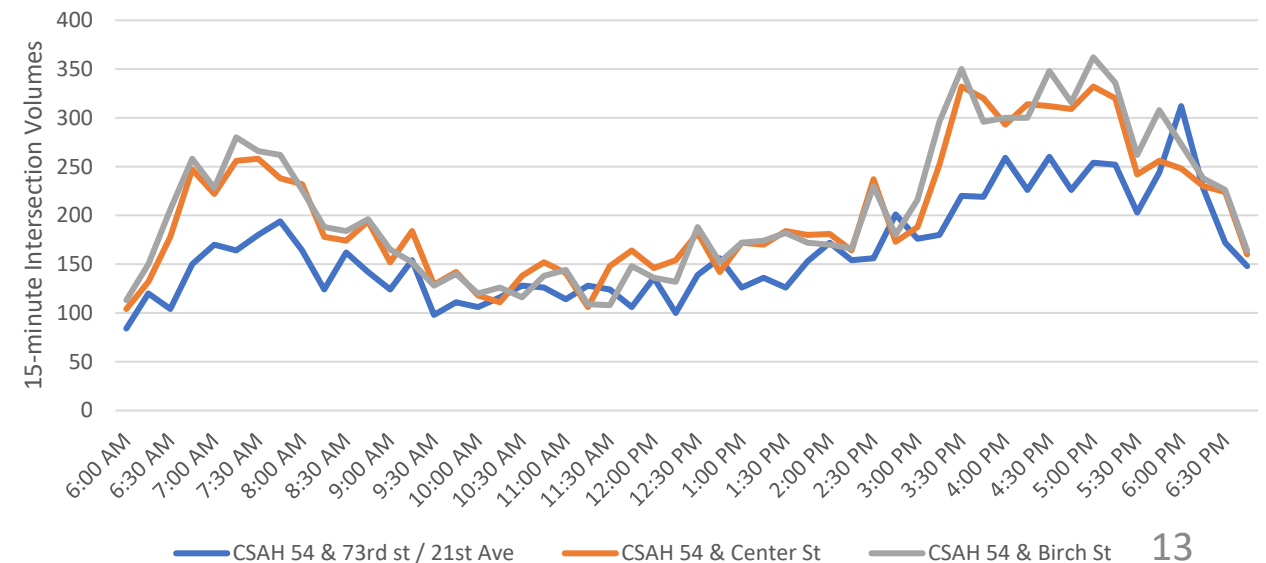
Jurisdiction	Roadway Type	Intersection Spacing		Signal Spacing	
		Route Speed mph	Full Movement Intersection	Conditional Secondary Intersection	
Anoka County	Principal Arterial	50-55	1 mi.	1/2 mi.	1 mi.
		40-45	1/2 mi.	1/4 mi.	1/2 mi.
		<40	1/8 mi.	300-660 ft.	1/4 mi.
	Minor Arterial	50-55	1/2 mi.	1/4 mi.	1/2 mi.
		40-45	1/4 mi.	1/8 mi.	1/4 mi.
		<40	1/8 mi.	300-660 ft.	1/4 mi.
	Collector and Local	50-55	1/2 mi.	1/4 mi.	1/2 mi.
		40-45	1/8 mi.	NA	1/4 mi.
		<40	1/8 mi.	300-660 ft.	1/8 mi.



Traffic Operations

- CSAH 54 Average Daily Traffic Volumes
 - Existing: 3,500 to 6,400 vpd
 - Year 2025: 4,000 to 7,400 vpd
 - Year 2040: 5,100 to 9,600 vpd
- * CSAH 14: 10,000 to 16,200 vpd
- Expansion to a 4-lane+ facility doesn't appear to be needed
- A 3-lane facility (or 2-lane with turn lanes) should provide sufficient long-term capacity along CSAH 54

Facility Type	LOS A	LOS B	LOS C	LOS D	LOS E	LOS F
5-lane	< 11,400	< 18,200	< 29,100	< 32,600	< 36,300	< 36,300
4-lane	< 7,600	< 12,100	< 19,400	< 23,300	< 27,600	< 27,600
3-lane	< 4,900	< 7,900	< 12,700	< 17,000	< 21,100	< 21,100
2-lane	< 3,100	< 5,000	< 8,000	< 12,000	< 15,900	< 15,900

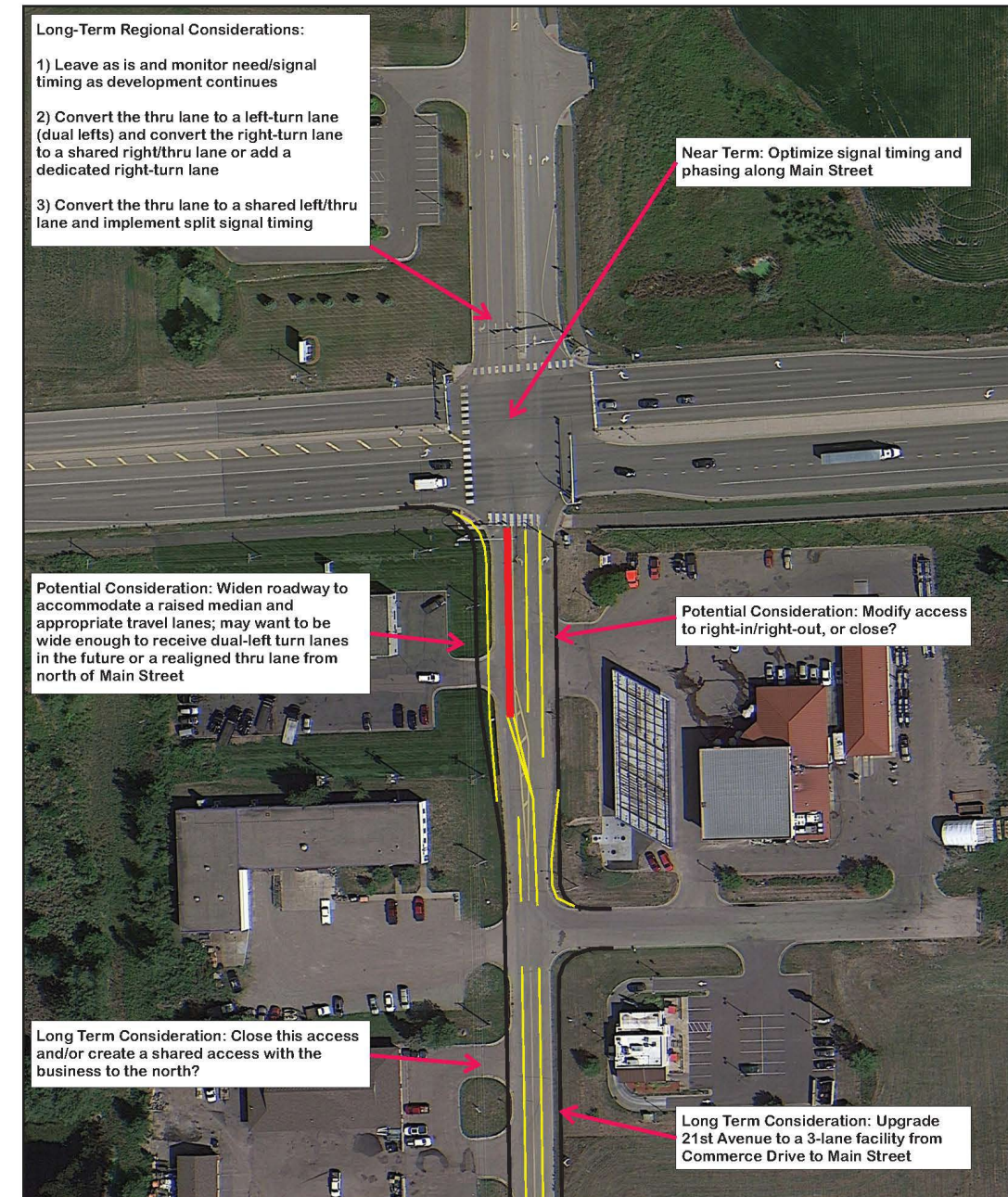


Issues and Needs Summary

- Access Management (Existing and Future)
- Corridor Vision (Cross-Section, Access Spacing, Traffic Controls, etc.)
- Intersection Capacity
 - CSAH 14 (Main Street) / CSAH 54 (20th Avenue)
 - CSAH 14 (Main Street) / 21st Avenue
- Multimodal Connectivity and Crossings
- Account for future area development and roadway connections

Potential Alternatives

- Corridor Cross Section
 - 2-Lane versus 3-Lane
 - Rural versus Urban (or Hybrid)
 - Median / Parkway
- Access Vision
 - Primary versus Secondary
 - Center Street versus Fairview Street
 - Development Access
- Main Street / 21st Avenue
 - Bank Access
 - Gas Station Access
 - 21st Avenue Cross-Section
- Traffic Control Needs



Activities and Feedback

- Preference Activity
- Comment Card
- Project Survey



WHAT ARE YOUR PRIORITIES FOR THE CORRIDOR?

Using your marbles, how would you prioritize the following?
You can spend the marbles however you would like - all in one jar or spread out.

					
IMPROVE MOBILITY	IMPROVE SAFETY	IMPROVE MULTIMODAL FACILITIES	ADD LANDSCAPING	MINIMIZE ENVIRONMENTAL IMPACTS	MINIMIZE PROPERTY IMPACTS

Next Steps

- Review Public Feedback and Incorporate into the Issues / Needs Summary (September)
- Develop and Evaluate Preliminary Alternatives to address Issues / Needs (Summer/Fall)
- Next Engagement (Fall/Winter-2023)
 - Public Open House #2
- How to Stay Involved
 - Project Website: tinyurl.com/CSAH54CorridorStudy
 - Project Survey (see website or QR Code)
 - Reach out to the Project Team





Thank you

Have questions or comments?

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