













DISCOVER + LISTEN

Summer/Fall 2022

DESIGN + EVALUATE

Winter-Summer 2023

REVIEW + APPROVE

Fall 2023

Existing Conditions

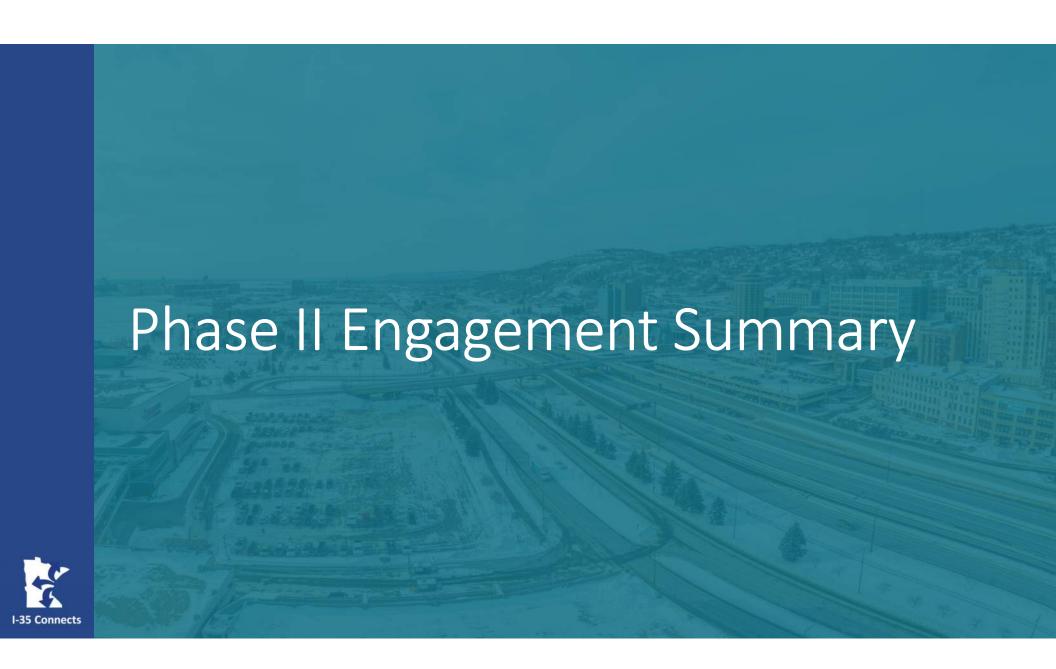
Future Conditions

Visioning

Alternatives Analysis

Implementation
Final Report





- Prioritize pedestrian and bicycle
- Advocacy for freeway removal
 - Divides community; pedestrian connectivity; prioritizes cars over other modes;
- Criticism for freeway removal
 - Negative impacts on traffic flow and event-related congestion
- Need for continued planning efforts to consider multimodal transportation (ex: bus, NLX)



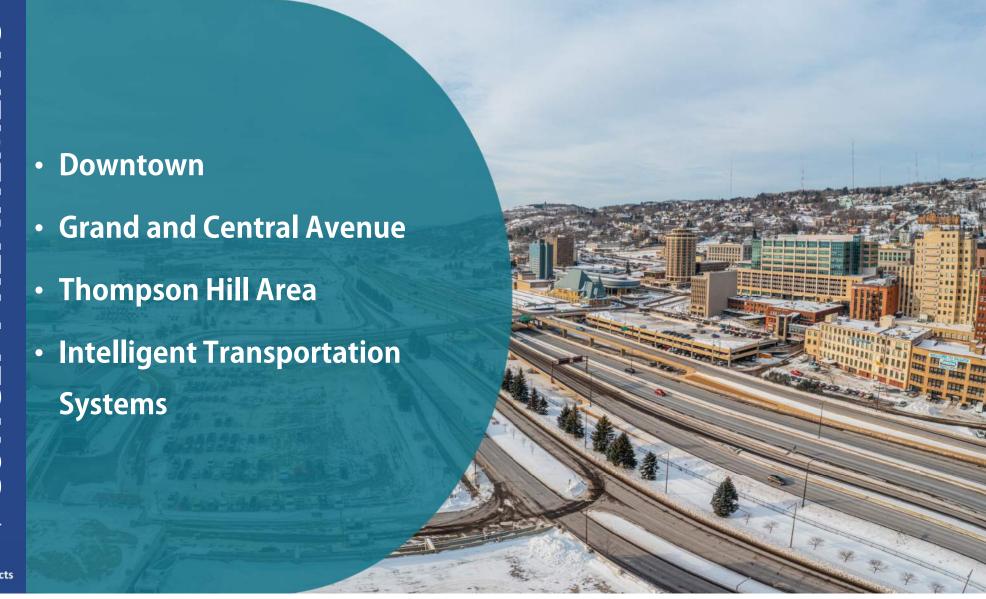
Common themes

- Removal of left exits/entrances seen as positive
- Consolidated Interchange
 - Mixed views
 - Concern with adding traffic lights
- Median U-Turn
 - Concern design is complicated and difficult for users



- Roundabout Parkway
 - Polarized views
 - Support for enhanced connectivity and aesthetics
 - Concern for traffic impacts including freight and accessibility
- Lid
 - Support for aesthetics, green space, connectivity
 - Cost concerns
 - Desire for lid to expand
- Interchange Improvements
 - Opposition as too little change or maintaining the status quo

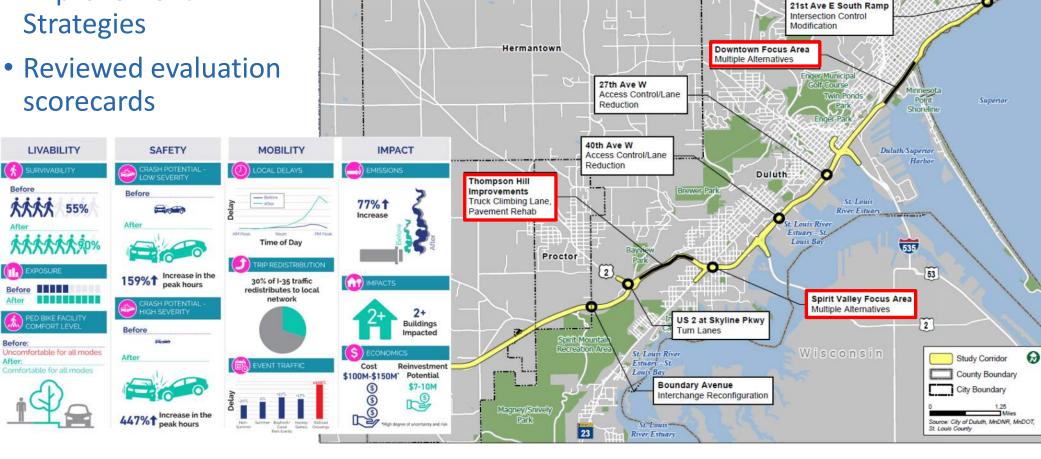




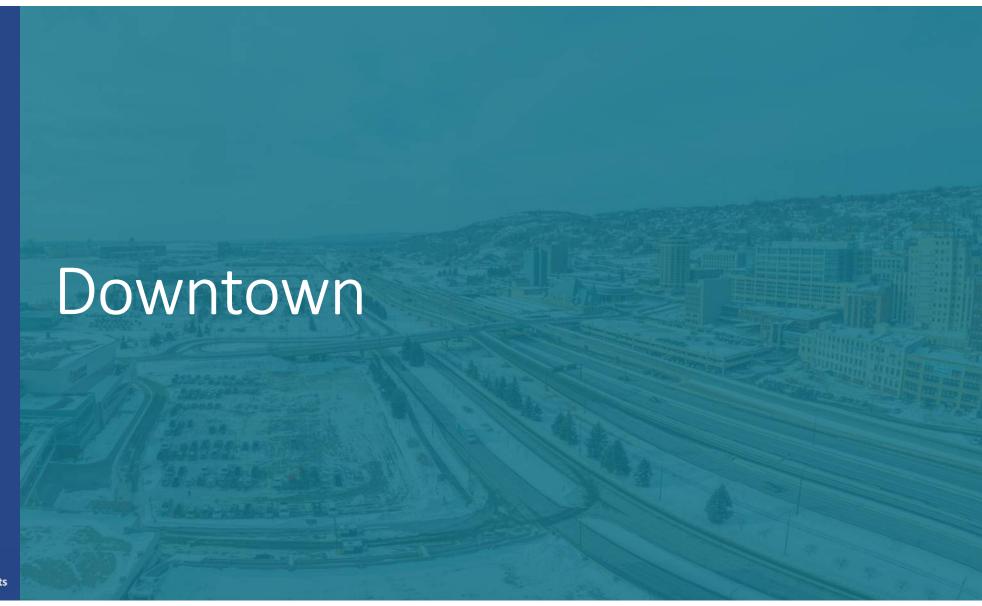


PREVIOUS UPDATE

 Discussed ~20 Improvement Strategies



I-35/26th Ave E/London Rd Roundabout (Planned for 2025-26 Construction)

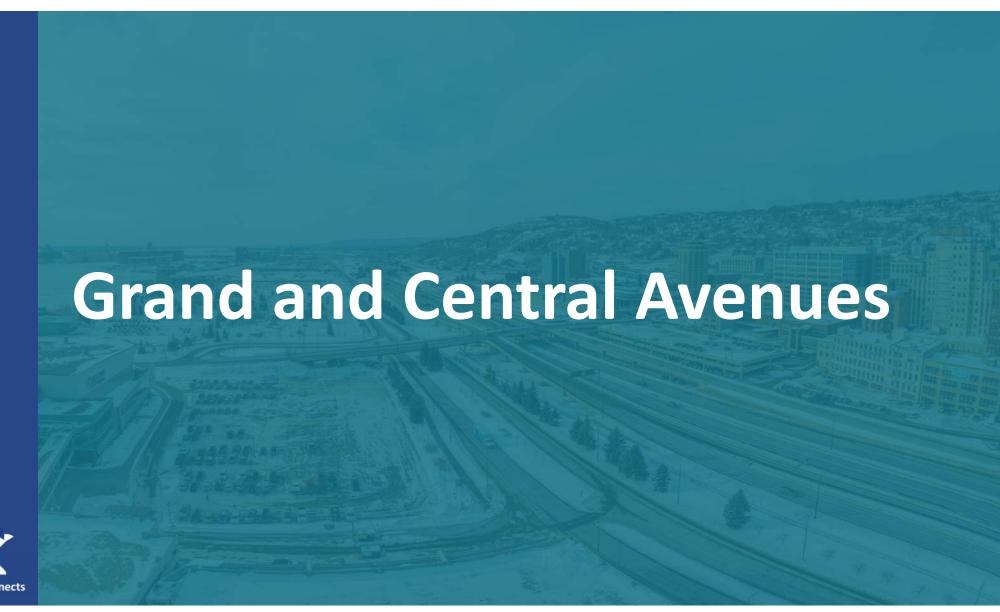








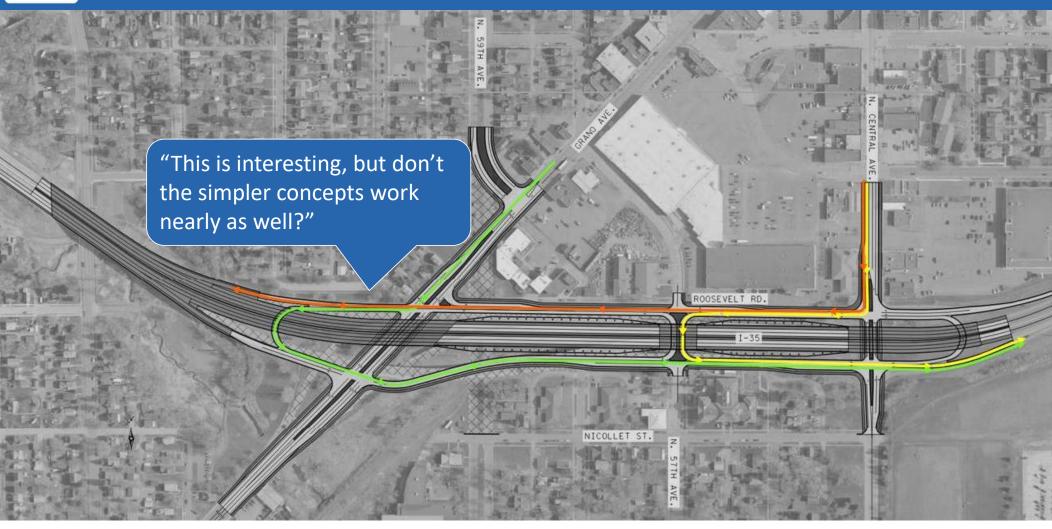








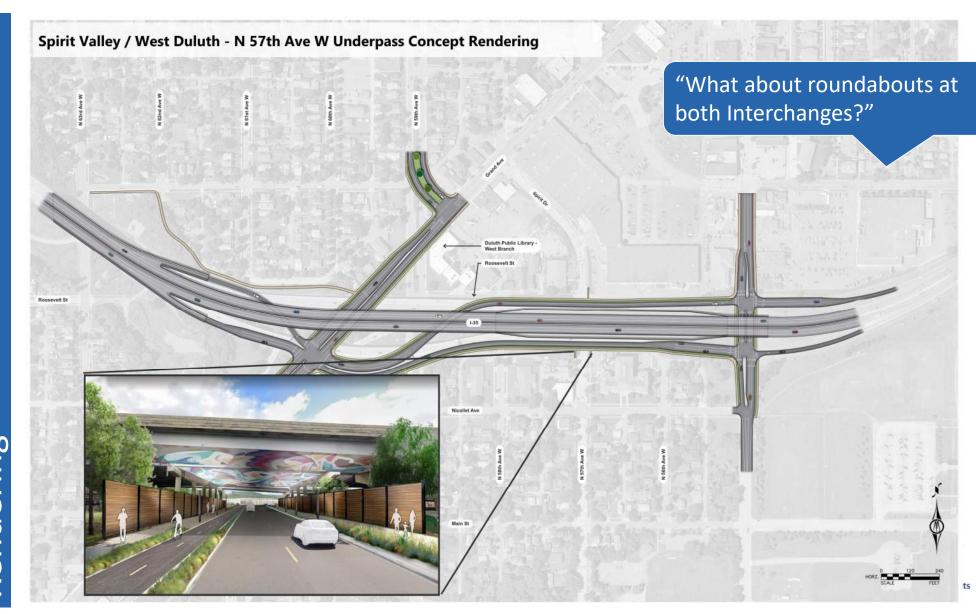
MEDIAN U-TURN INTERCHANGE





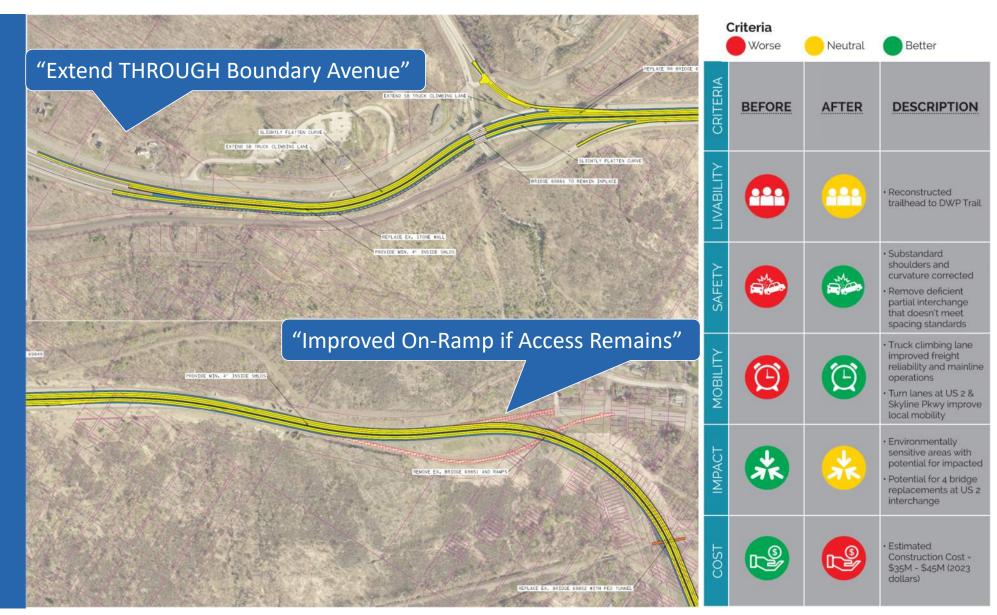
CONSOLIDATED INTERCHANGE



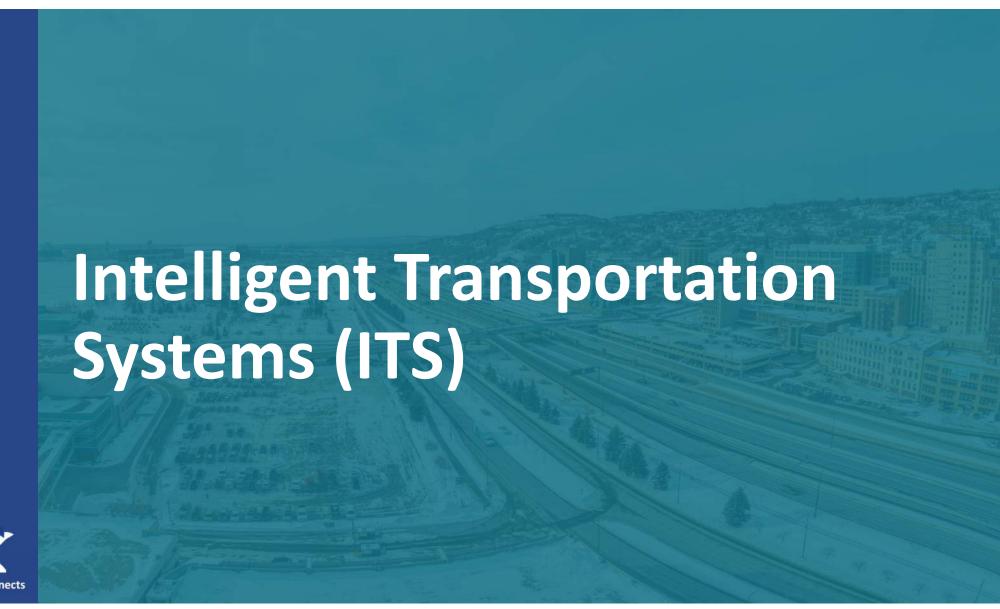




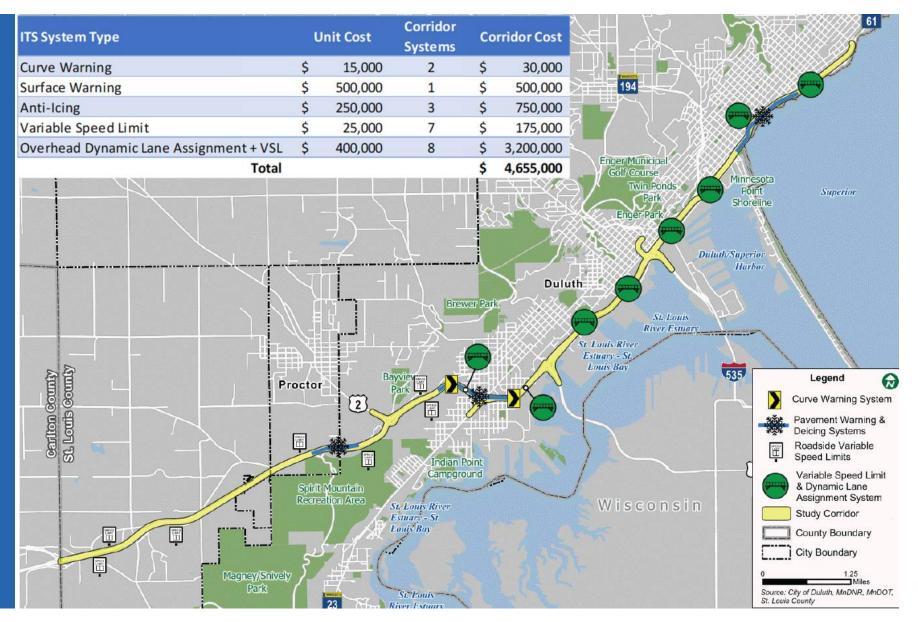
















Variable Speed Limits





Safety Benefits:

VSLs can reduce crashes on freeways up to:

34%

for total crashes.1

65%

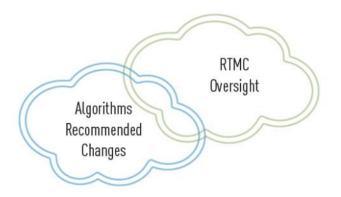
for rear-end crashes.¹

for fatal and injury crashes.

Benefit/Cost Ratios range between¹

9:1-40:1





5 MPH
Incremental
Changes
Lane Designation
Queue Warning

DATA INPUTS

DATA PROCESSING

ROADWAY OUTPUTS



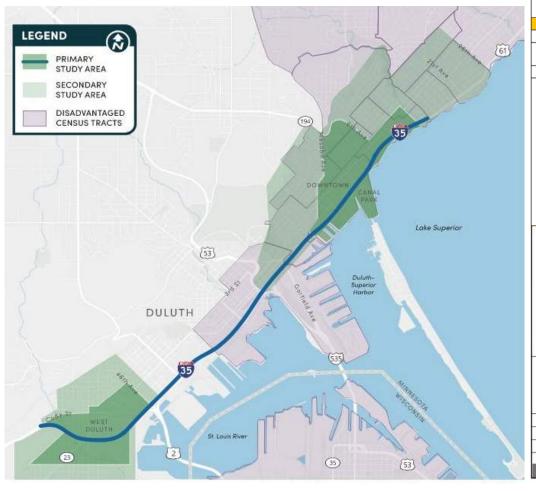








RCN Planning Grant



	Estimated				West	
	Total Per Task	% Total	Downtown	% DT	Duluth	% SV
TASK DESCRIPTION						
Study Administra	tion \$100,000	4.4%	\$60,000	2.7%	\$40,000	1.8%
Community and Agency Engagem	ent \$400,000	17.8%	\$220,000	9.8%	\$180,000	8.0%
Employment of Community Engagement Liais	ons \$140,000	6.2%	\$70,000	3.1%	\$70,000	3.1%
Existing Conditions Assessm Land Use Inven Traffic Safety and Congestion Ana Multimodal Transportation Net Parks and Public Realm Inven Green Infrastructure and Climate Resiliency Assessn Housing Conditions and Assessn Racial Equity Assessn Health Impact Assessn Market Ana Historic Places Inven Utilities & Stormwater Assessment (planning-le	tory lysis tory nent nent sent nent nent toent toent toent tory evel)	9.3%	\$120,000	5.3%	\$90,000	4.0%
Concept Development, Evaluation, Recommendal Concept Health Impact Assess Future Land Use Recommenda Economic Impact Assess Key Redevelopment Sites and Con Multimodal Transportation Network Recommenda Parks and Public Realm Recommenda Historic Places Preservation Recommenda Utilities & Stormwater Recommendations (planning- Public Infrastructure Recommendations (planning- Facility Suita	ment tions ment tions ment teepts tions tions tions tions tevel)	12.0%	\$150,000	6.7%	\$120,000	5.3%
Anti-Displace Racial E	mate ment \$155,000	6.9%	\$90,000	4.0%	\$65,000	2.9%
Community Vision Impact Engager	ment \$175,000	7.8%	\$100,000	4.4%	\$75,000	3.3%
Implementation	Plan \$100,000	4.4%	\$50,000	2.2%	\$50,000	2.2%
Conceptual Design of Priority Pro	jects \$700,000	31.1%	\$400,000	22.9%	\$300,000	16.3%
TOTAL STUDY CO	STS \$2,250,000	100%	\$1,260,000	56%	\$990,000	44%





Guide jurisdictional partnerships and clarify project prioritization

PROJECTS TIMELINE

SHORT TERM 2024 – 2029

Aligns with current funding opportunities and/or the STIP

MEDIUM TERM 2030-2034

Aligns with the CHIP and projects anticipated to move into the CHIP

LONG TERM 2035+

Funding is less certain and/or may be safetyor opportunity-driven projects

OPPORTUNITY-DRIVEN

Anticipated to be aligned with other area studies, planned improvements, or safety concerns

IMPLEMENTATION MATRIX

- Action Step:
- Relationship to I-35 Design Future:
- Cost:
- Lead:
- Support:
- Description, Potential Funding:

The recommended action to be taken

Outline of relationship to I-35 related projects, operations, or design

Estimated cost using 2023 dollars

Jurisdiction responsible for delivery of the action step

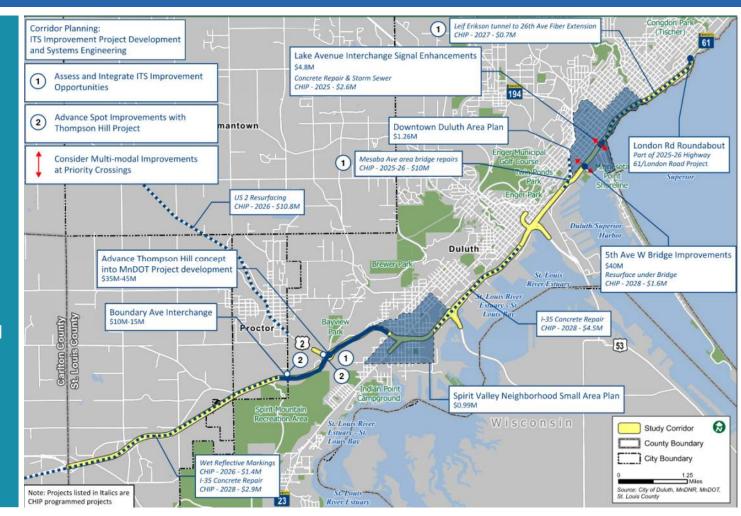
Jurisdiction responsible for supporting the delivery of the action step

Summary description of the action step, potential funding sources



Short Term 2024 - 2029

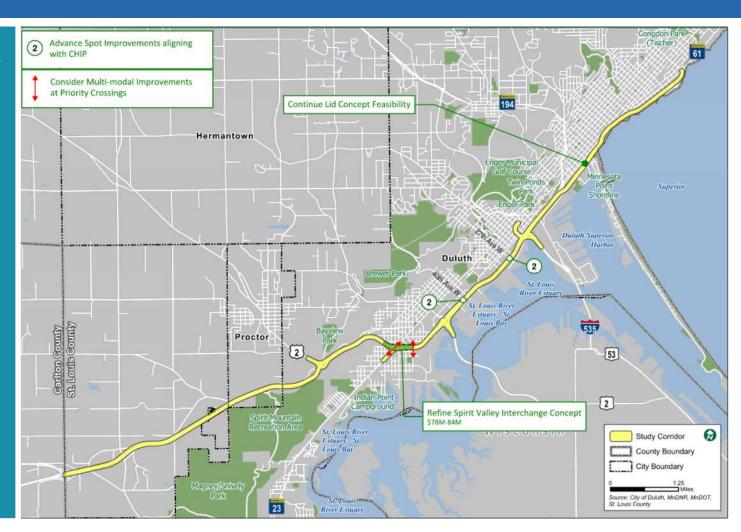
- Downtown Duluth/ Canal Park Area Plan, Recommendations
- West Duluth Area Plan, Recommendations
- 5th Ave Bridge Improvements
- Lake Ave Interchange Signal Enhancements
- Thompson Hill Concept Advancement
- London Road Roundabout
- ITS Improvements with Planned Projects
 - Mesaba Ave
 - Leif Erickson Tunnel
 - West Duluth
 - US 2 Resurfacing
 - Spirit Mountain Area





Medium Term 2029-2035

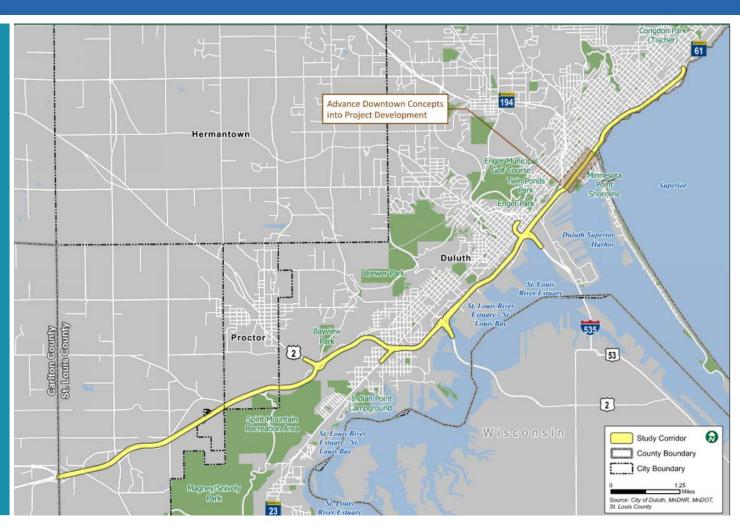
- Refine and Progress Spirit Valley Interchange Concept
- Continue Studying Feasibility of the Downtown Lid
- Advance and Complete CHIP Spot Improvements
 - 40th Ave W
 - 27th Ave W





Long Term 2035+

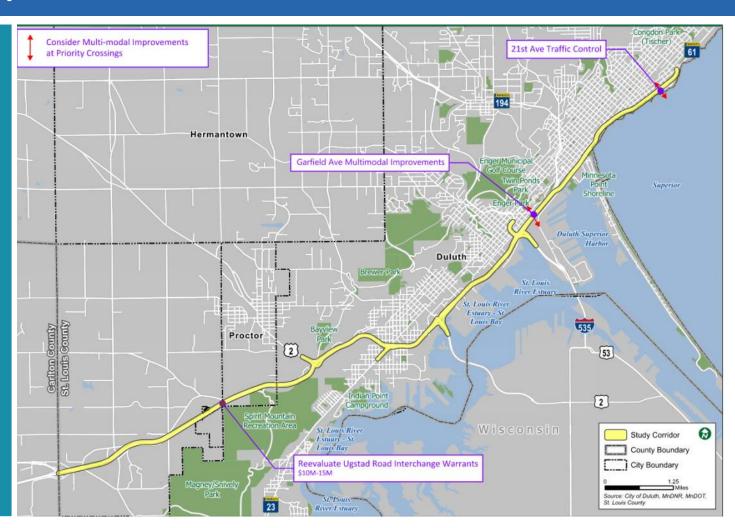
 Continue Advancing Concepts and Recommendations for Downtown Duluth Corridor Segment, Identified in the Area Plan Study for Downtown





Opportunity-Driven

- Reevaluate Ugstad Road Interchange Warrants
- Consider multi-modal improvements during opportunity-driven projects
 - Ugstad Road Interchange Warrants
 - 21st Ave Traffic Control





What's Next?

