



Regional Roadway System

VISIONING STUDY UPDATE

TRAFFIC MODELING, ALTERNATIVE
EVALUATION & PUBLIC INVOLVEMENT



Kimley»Horn

City Council Update

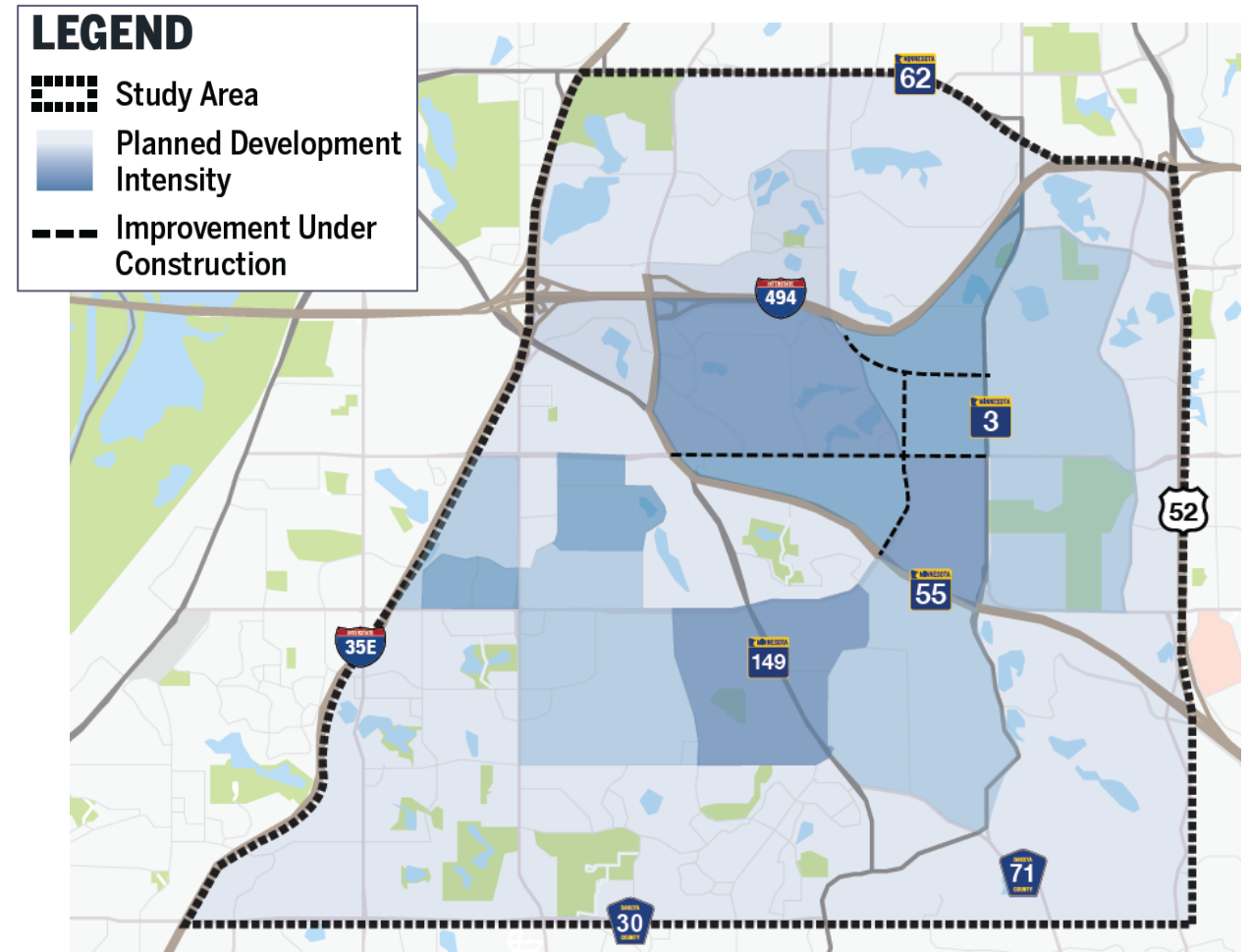
June 2022

Agenda

- Study Background
- Study Process
- Draft Recommendations
- Next Steps

Study Area

- Northeast Eagan
- Northwest Inver Grove Heights
- Mendota Heights
- Sunfish Lake



Regional Roadway System

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Study Background

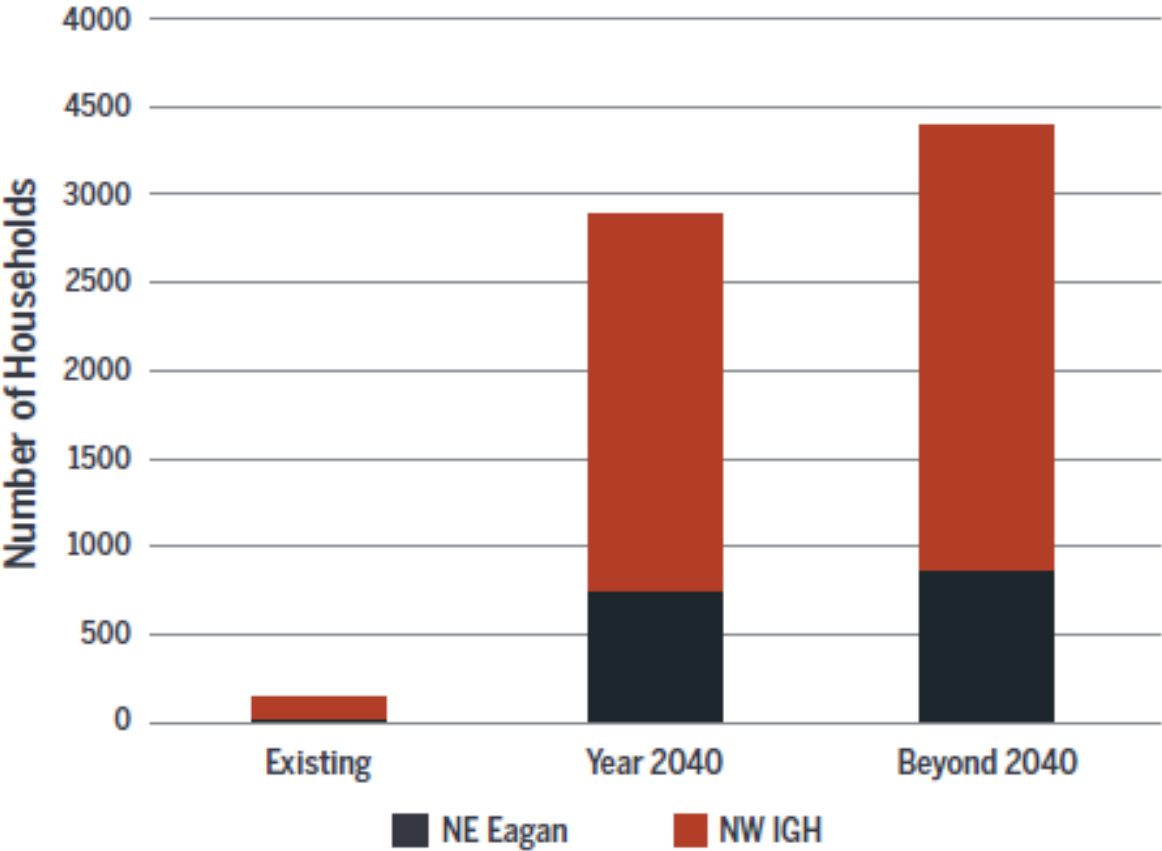
- Regional Roadway System Visioning Study (RRSVS) completed in 2010
- Recommended transportation improvements to meet long-term needs based on forecast growth in the area
- Since 2010:
 - Development has occurred with less intensity than forecast
 - Transportation improvements have been completed
 - City comprehensive plans updated

Study Process

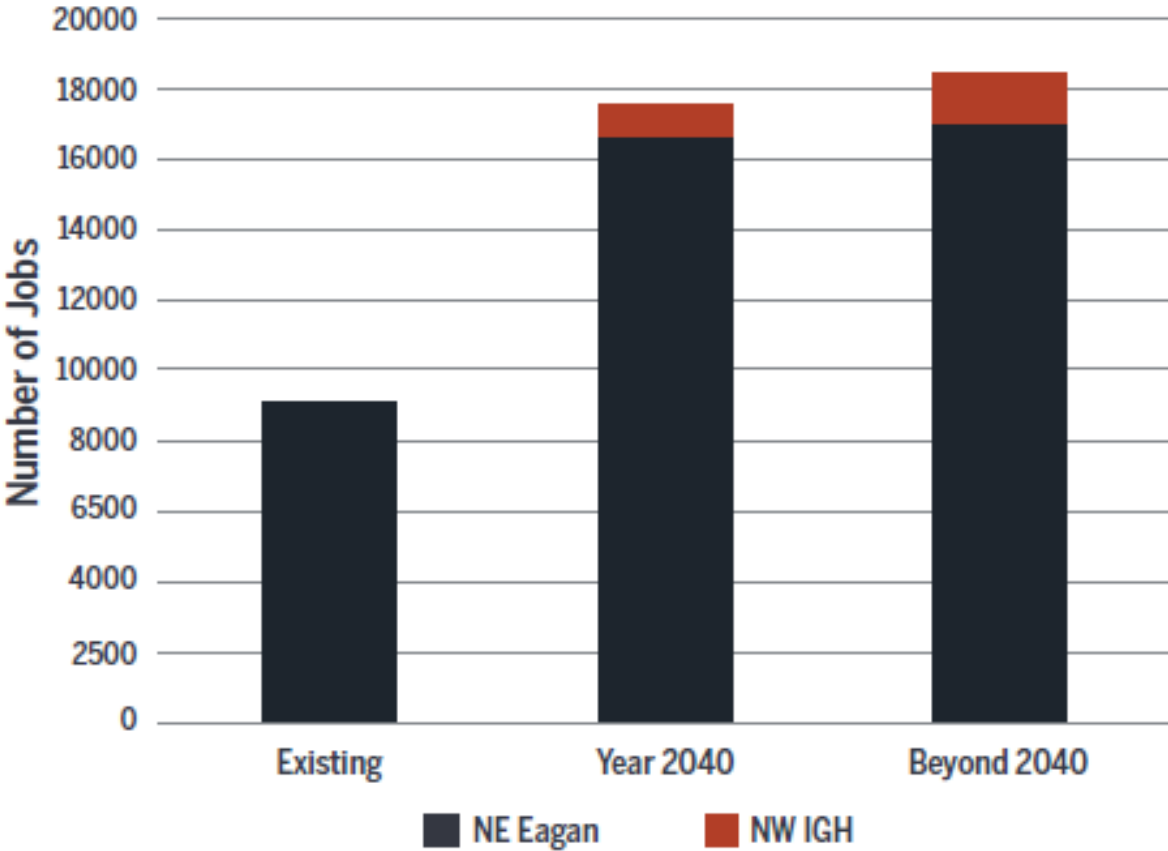
- **Transportation needs identified based on:**
 - Traffic Capacity
 - Traffic Safety
 - Roadway Network/Connectivity
 - Environmental and Property Impacts

Development Forecasts

HOUSEHOLDS

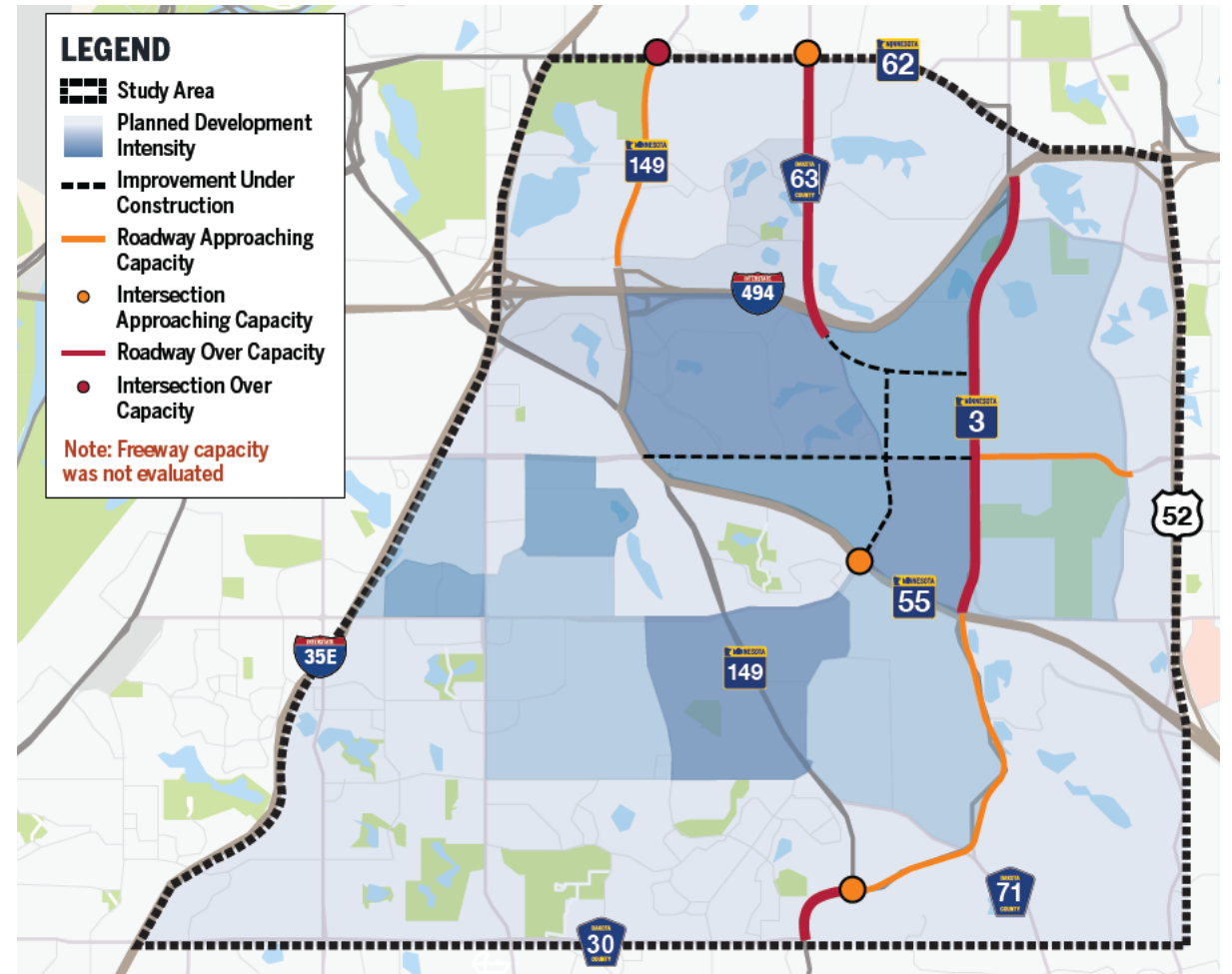


EMPLOYMENT



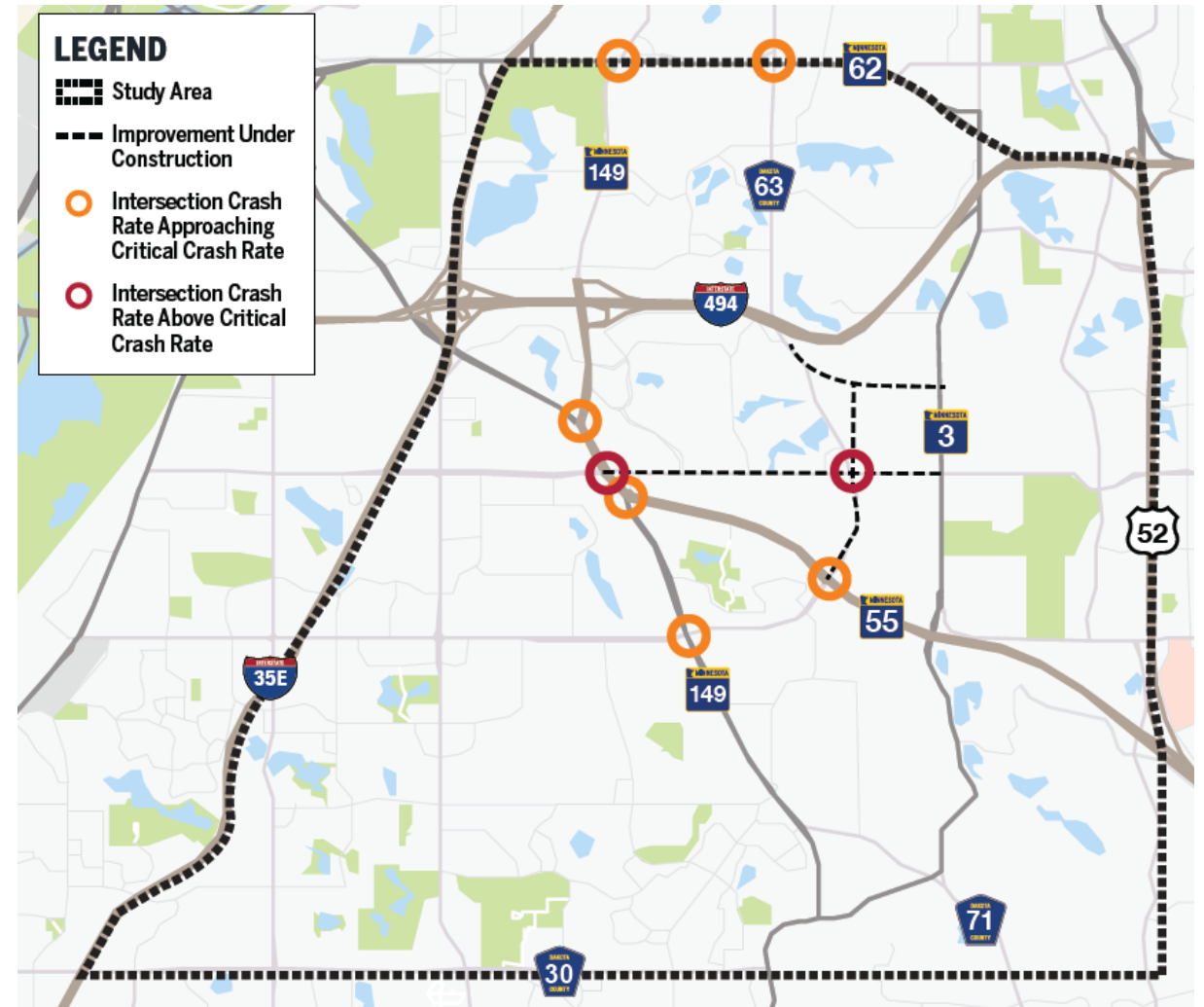
Traffic Capacity

- Evaluated traffic conditions with future development and existing transportation system
 - Road or intersection approaching capacity would be congested and drivers experience back-ups or slower traffic
 - Road or intersection over capacity would have significant congestion and back-ups



Crash History

- Crash analysis 2015-2019
- Critical crash rate indicates a road or intersection that has a crash rate significantly higher than average
- Congested intersections often have a crash rate above the critical crash rate, but do not result in injuries
- No roadway segments in the study area had a crash rate above the critical crash rate

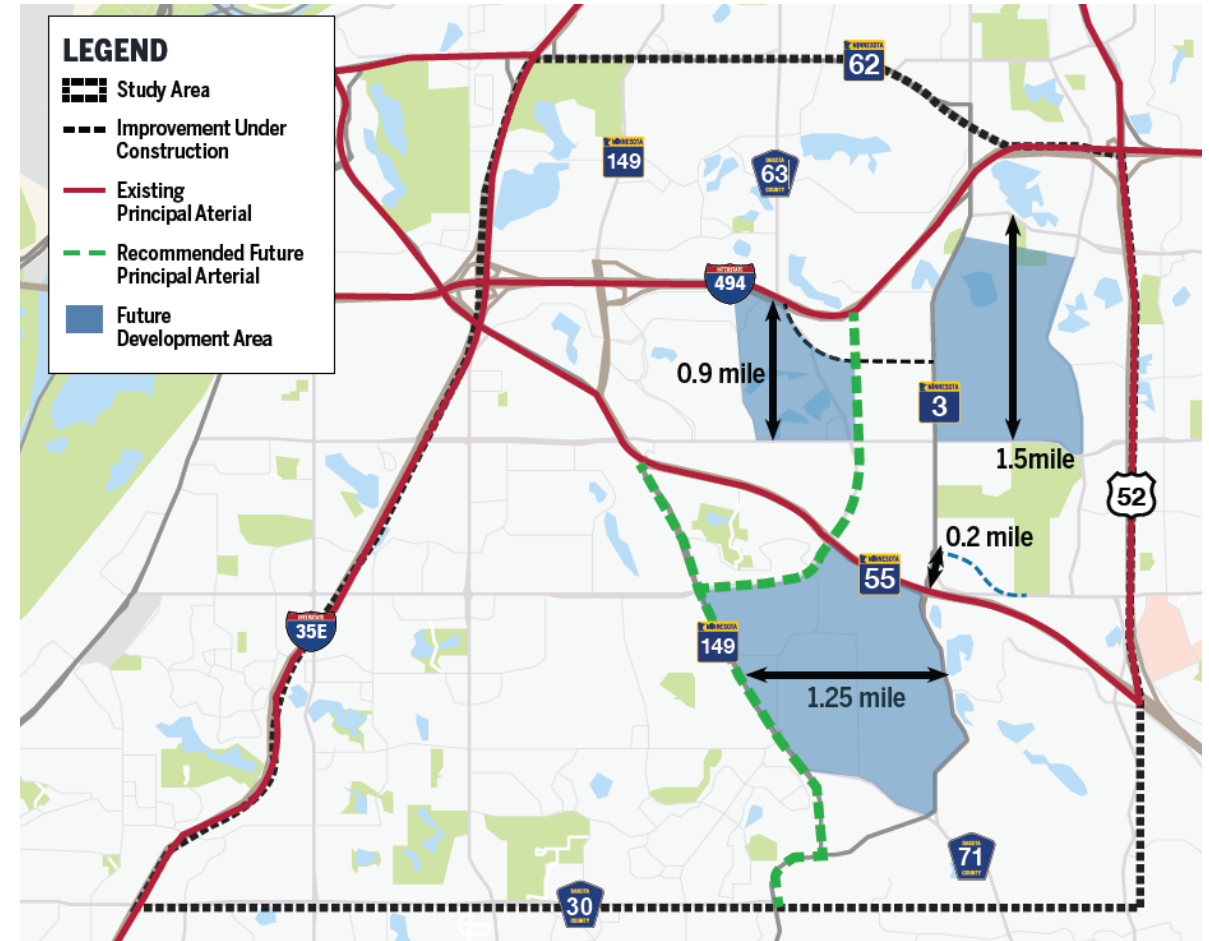


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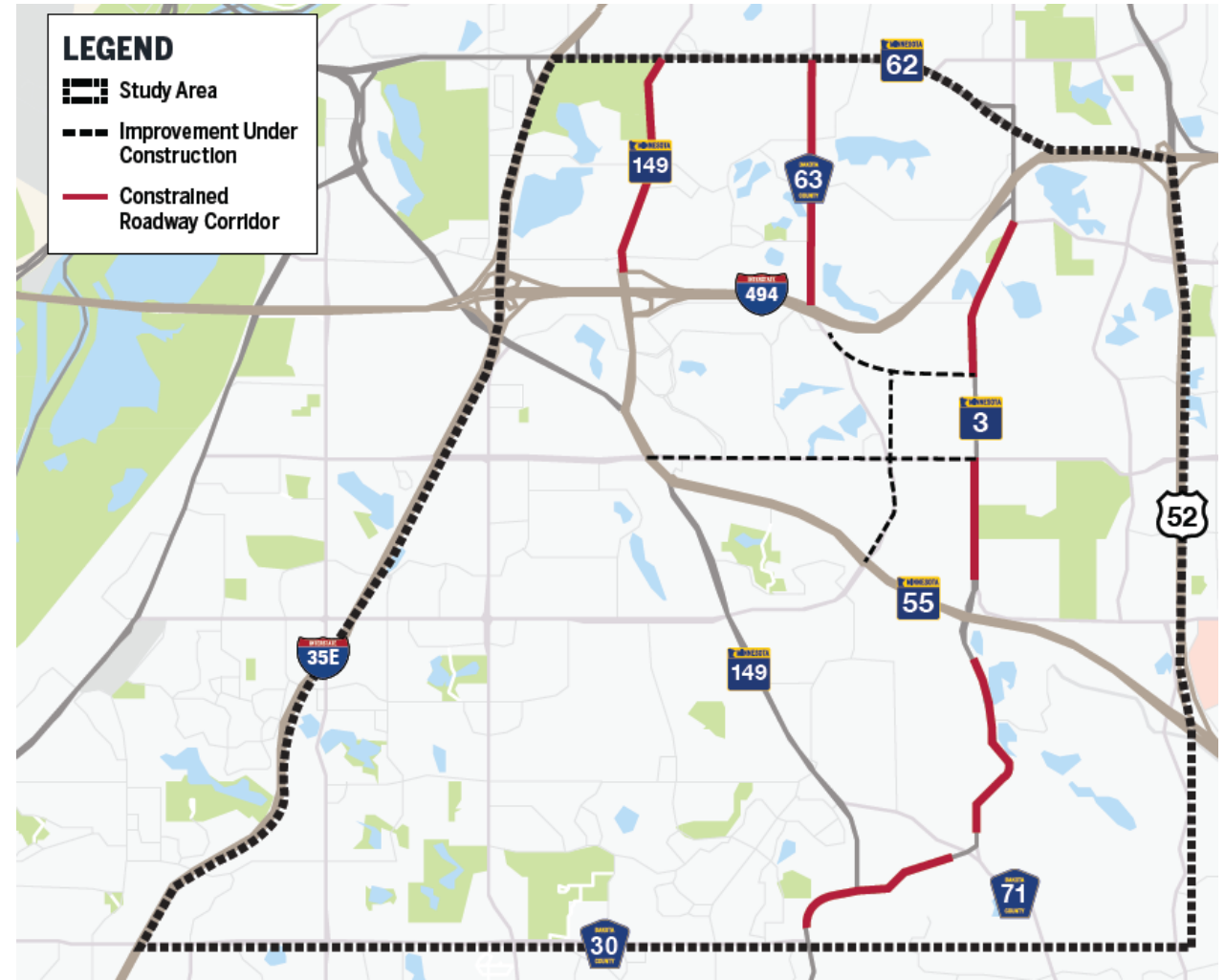
Roadway Network/Connectivity

- **Principal Arterials serve longer/regional trips**
 - TH 149-CR 28-CR 63 identified as future Principal Arterial
 - At-grade intersection at TH 55/CR 28/CR 63
- **Collector streets connect residential streets with the highway network**
 - Typically needed every ½ to 1 mile in suburban areas
 - Without collector streets, neighborhood streets have higher traffic volumes



Roadway Expansion Impacts

- Roadway widening in constrained corridors would have significant impacts
- Roadway widening also impacts environmental resources

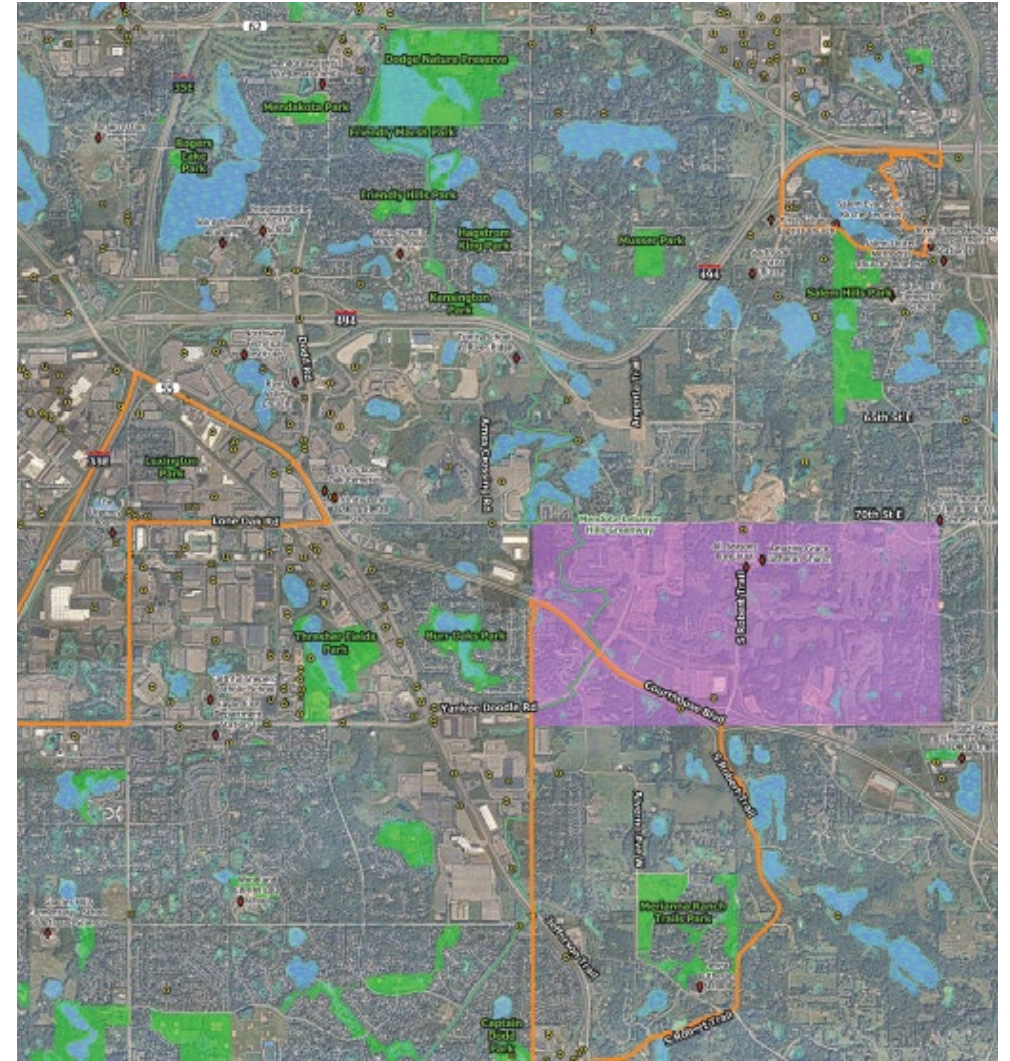


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Environmental Resources

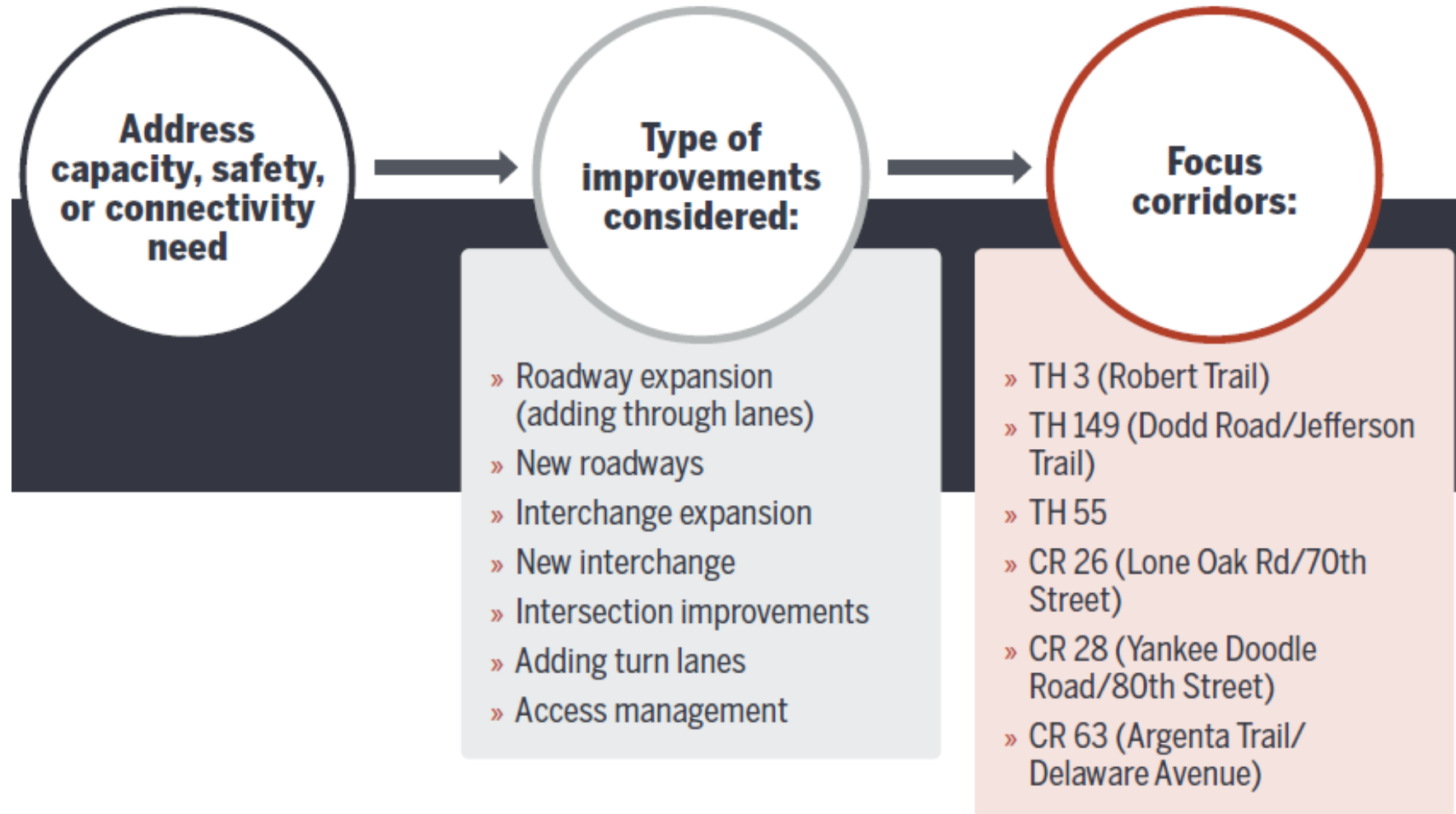
- Wetlands
- Endangered species
- Historic properties
- Sites in MPCA inventory
- Parks
- Environmental justice
- Community assets (schools, parks, libraries, etc)



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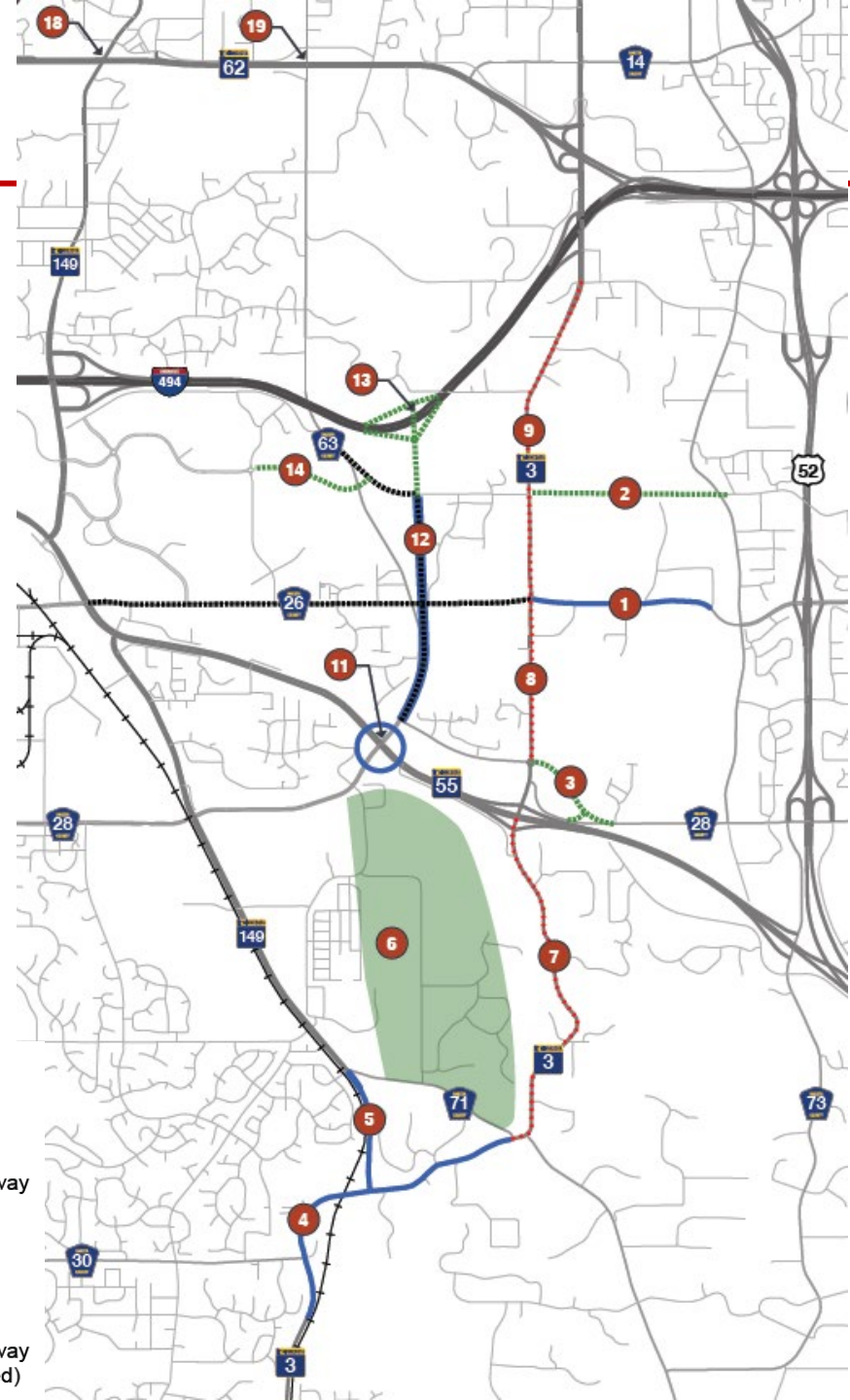
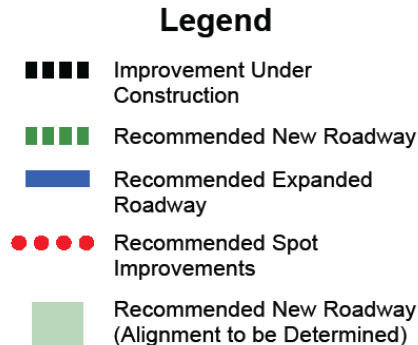
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Process to Develop Transportation Improvements



Draft Recommendations

- 15 recommended improvements
 - Argenta/I-494 interchange concept consistent with 2010 RRSVS
 - Proposed interchange is east of Delaware Ave (CR 63) and does not connect north of I-494
- Addresses transportation needs of full development build-out



Implementation

- Improvement timing driven by development and rate of traffic growth
- Design of each improvement determined during engineering phase
- Changes in interstate access require significant analysis

Next Steps

- **Gather public and agency input on draft recommendations**
 - In-person open house held June 1
 - Virtual open house through June 24
- **Finalize study recommendations**

Questions?