



## Project Update: Needs and Alternatives for County Road 50/5 Interchange with I-35 in Lakeville

Dakota County Physical Development Committee of the Whole  
November 19, 2024  
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## Presentation Outline




- Background (ref. 2004 concept/mapping)
- Mobility and Safety, 2050 Traffic
- Interchange Design Alternatives Considered
- Two Current Alternatives
- Schedule Objectives
- Public and Business Engagement
- Next Steps & Discussion

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## Project Background



### 2004 Interchange Concept



### Lakeville Official Map (2004-Current)




**LEGEND**

- Property owned by City of Lakeville
- Private property within local Official map
- Locally recommended interchange alternative from 2004

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## Mobility and Safety Problems

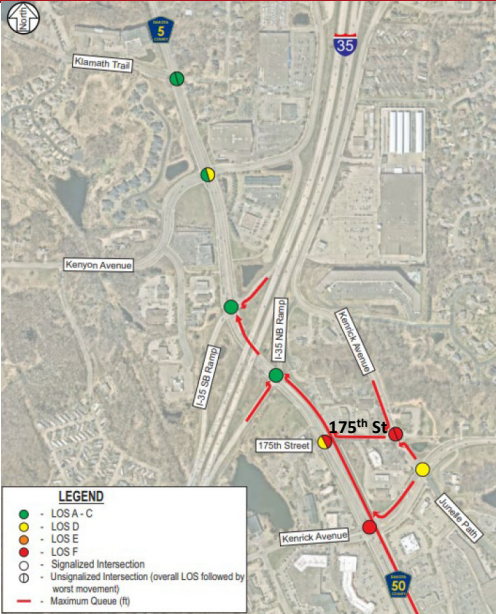


**Morning peak traffic by 2050**

- Long cues and congested local intersections
- Significant delays on 175<sup>th</sup> Street, Co 50 northbound, and Kenrick Ave

**Safety**

- Increasing crash risks; poor pedestrian and bike conditions




**LEGEND**

- - LOS A - C
- - LOS D
- - LOS E
- - LOS F
- - Signalized Intersection
- - Unsignalized Intersection (overall LOS followed by worst movement)
- - Maximum Queue (ft)

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## Mobility and Safety Problems

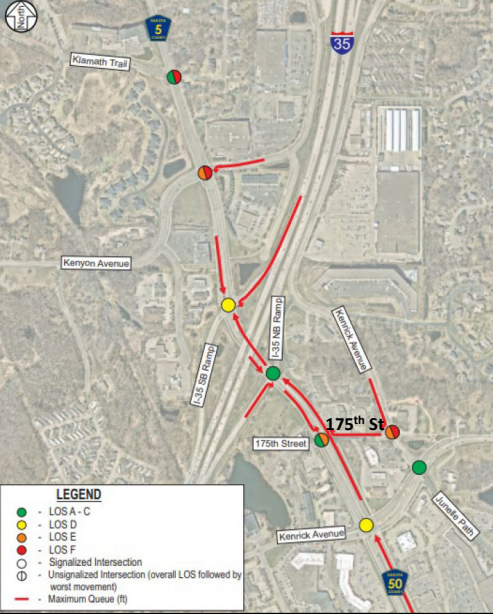


### Afternoon peak traffic by 2050

- Long cues and congested local intersections
- Significant delays at 175<sup>th</sup> Street, Co 50 northbound, the I-35 exit southbound, and Kenyon Ave


### Safety

- Increasing crash risks; poor pedestrian and bike conditions



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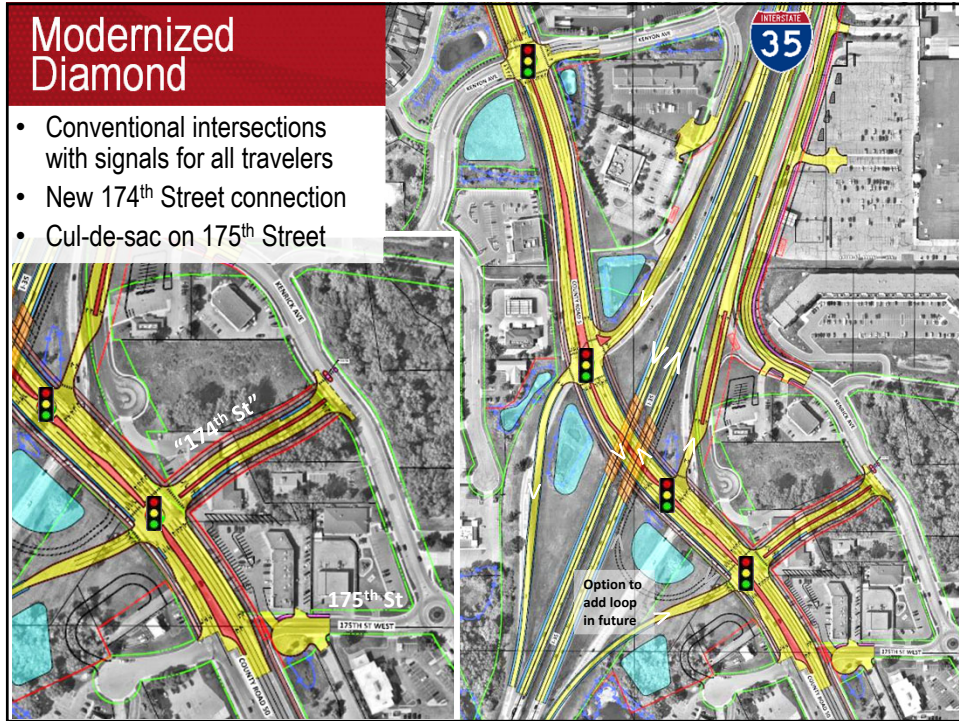
## Review of Interchange Alternatives



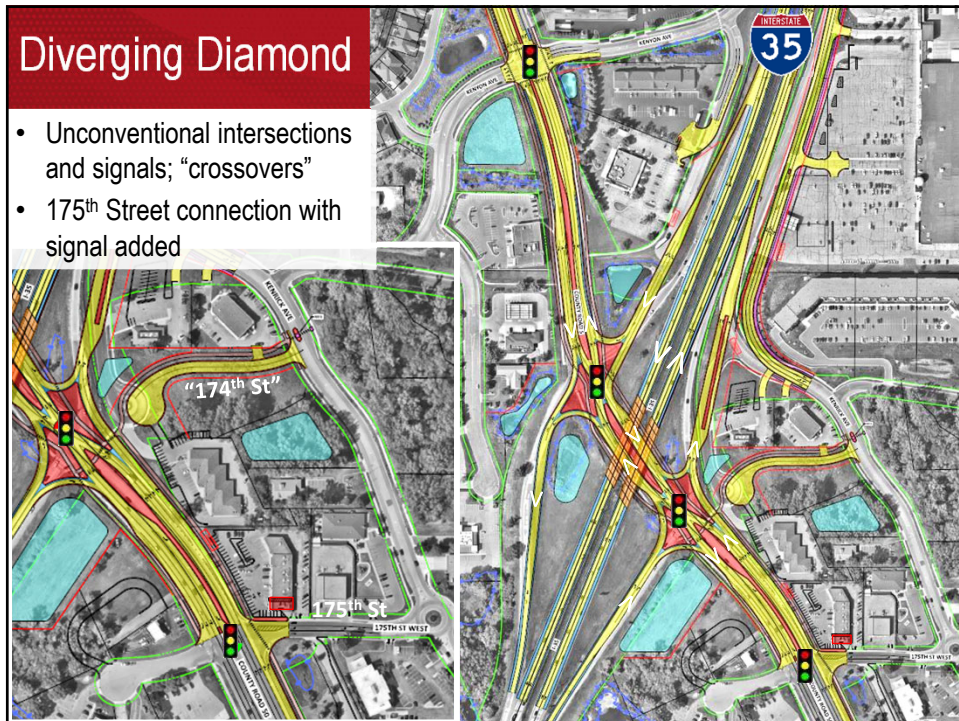
The Project Management Team is now focusing on **two interchange alternatives:**

Interchange Concept	Traffic Mobility	Traffic Safety	Ped/Bike Safety	Property Impacts	Construction Cost
Alt 1 - Modernized Diamond with SE Loop	▲▲	▲▲	▲▲	19 parcels impacted 2 relocations	\$\$\$\$\$
Alt 2 - Modernized Diamond	▲▲	▲▲	▲▲	19 parcels impacted 2 relocations	\$\$\$
Alt 3 - Diverging Diamond	▲▲▲▲	▲▲▲▲	▲	19 parcels impacted 1 relocation	\$\$\$
Alt 4 - Peanut Roundabout Diamond	▲	▲	▲▲	20 parcels impacted 1 relocation	\$\$\$
Alt 5 - Diamond with SW Loop	▲▲	▲▲	▲▲	20 parcels impacted 2 relocations (highest risks)	\$\$\$\$

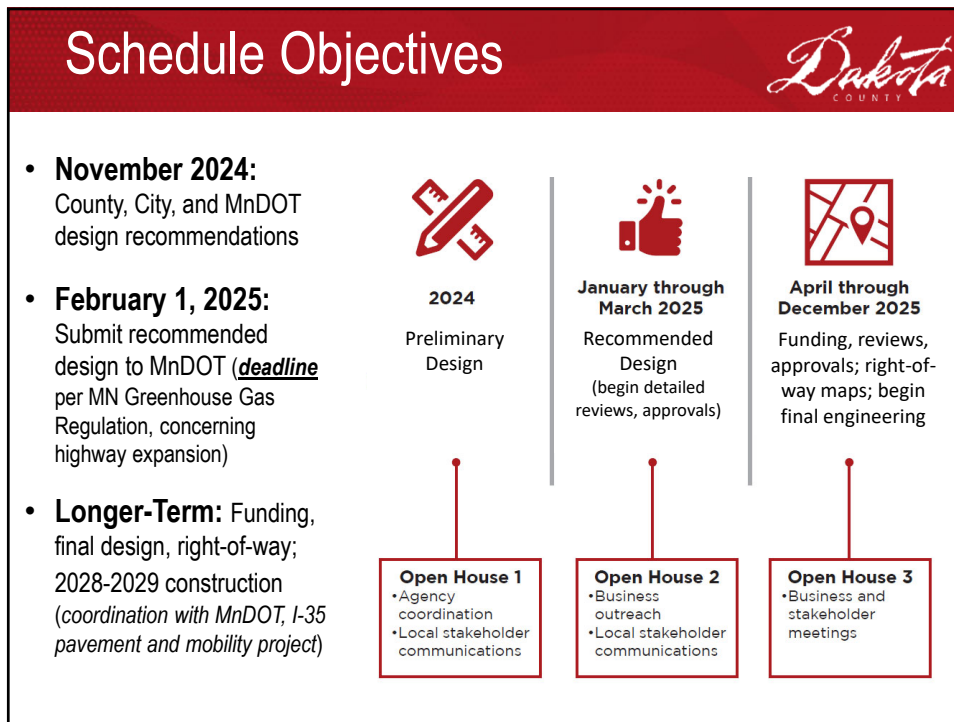
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## Public and Business Engagement

- First public open house held September 9, 2024; approximately 120 attended
- More recently – focused conversations with business owners
- Comments & Questions:
  - Traffic delays and safety concerns
  - Property/business impacts; access changes
  - Pedestrian and bicyclist routes/safety
  - Drainage and water quality
  - Impacts during construction (*Traffic Management Plan*)
  - Noise impacts



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## Next Steps and Discussion



### ***Next Steps***

- Project Management Team design recommendations
- Prepare layout for MnDOT submittal, February 1, 2025
- Funding plan, applications (approx. \$40M - \$50M project)
- Second public open house – February/March 2025
- Coordination with MnDOT I-35 pavement/mobility project

### ***Questions and Discussion***

