

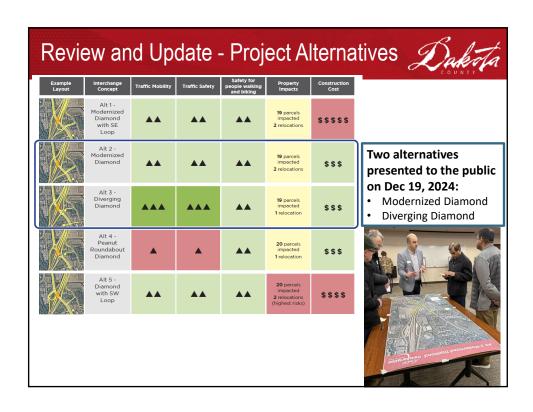
Authorization to Submit Recommended Design Alternative to MnDOT for the County Road 50/5 Interchange with I-35 in Lakeville

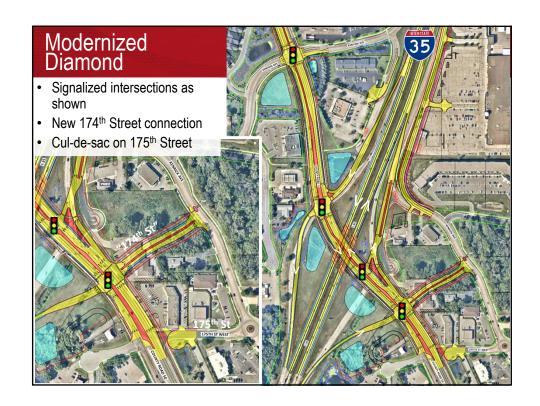
Dakota County Board
January 21, 2025
Doug Abere, Senior Project Manager

Presentation Outline



- Review and Update on Project Alternatives
- Factors for the design recommendation
 - Two alternatives presented to public: Dec 19, 2024
 - Reviews with MnDOT and City of Lakeville
 - Traffic mobility/safety; local impacts and costs
 - Schedule: regulatory and funding-program deadlines
- Discussion & County Board Action







Technical Reviews with MnDOT and City Dakota



Traffic and safety

- Traffic mobility/congestion: alternatives are similar, with most traffic connecting with I-35 (60% - 80%)
- · Diverging diamond expected to reduce crashes vs. typical diamonds (80 similar designs in 24 states):
 - 44% fewer fatal & injury crashes
 - 8% fewer property damage crashes
 - Similar findings for completed Minnesota projects
- Pedestrians/bicyclist safety, local impacts, costs alternatives are similar

Recommendation and Updated Cost Estimate Pakota



- Diverging Diamond is the recommended design
 - Best fit to primary traffic needs connect with I-35
 - Significantly better long-term traffic safety
 - · Details can be addressed for pedestrians and bicyclists
- Updated construction estimate for funding applications (specific design elements and inflation per guidance to 2028)
 - \$40.8M State Trunk Hwy (I-35 bridges, ramps, auxiliary lane)
 - \$10.8M County Road 50/5
 - \$10.9M County & City matching
 - \$62.5M Total Construction (not including design & right-of-way)

Schedule Objectives



January 2025

- Submit recommended design to MnDOT as a study layout on Jan 27 (Feb 1 deadline per MN Greenhouse Gas Reg., regarding highway expansion)
- Federal RAISE grant submittal due Friday, Jan 31

Additional 2025 Schedule Goals

- State Funding Opportunities
 - · State Bonding in legislative session
 - Corridors of Commerce, summer-fall 2025
- Design reviews/refinement, environmental documentation, business community and public outreach (with open house no. 3)

Discussion and County Board Action



- Discussion
- Action: Authorization To Submit Recommended Design Alternative To Minnesota Department Of Transportation For Interchange Improvements At County State Aid Highway 50/5 And Interstate 35 In City Of Lakeville, County Project 50-33