

County Highway 42 Visioning Study

County Planning Commission Meeting

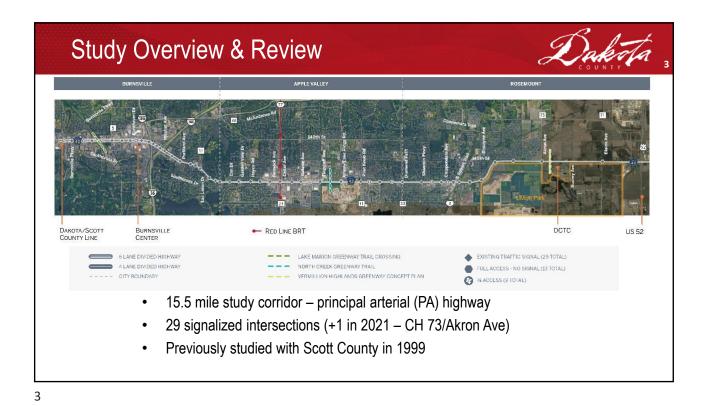
Doug Abere, Project Manager Transportation Department Physical Development Division February 25, 2021

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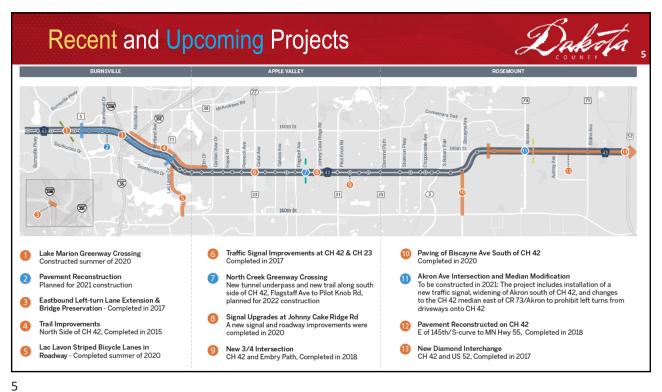
Presentation Outline

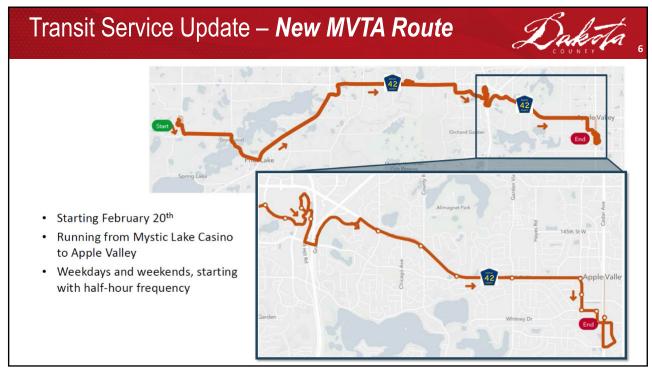


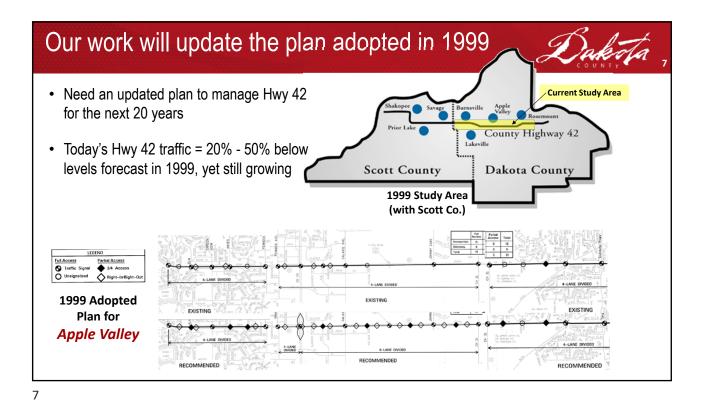
- Study Overview & Review; Updates
- Need for an Updated Hwy 42 Plan
- Overall Vision and Intersection Planning
- Stakeholders and Outreach
- Planning highlights for each City
- Next Steps & Discussion















Locations with the highest future traffic volumes (2040) in addition to safety considerations & the other needs

Pedestrian/Bicycle Needs

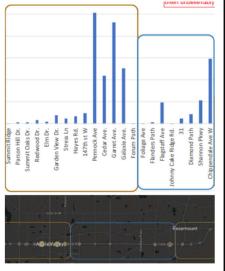
Vehicle Ops/Capacity Needs

Other issues/needs: aging infrastructure, future development/redevelopment

What's new in this Hwy 42 plan update?



- · More diverse mobility and access needs
 - Established development areas; <u>redevelopment</u> too
 - <u>Increased diversity</u> of travelers age, ethnicity, income, travel modes/needs
 - <u>Travel behavior shifts</u> seen pre-COVID & trending
- Technology, tools, & arterial management options
 - <u>Traveler data, signals, & other tech</u> more tools to measure & manage performance
 - More "right-sized" options for future vision



2019 Ped Crossing Data

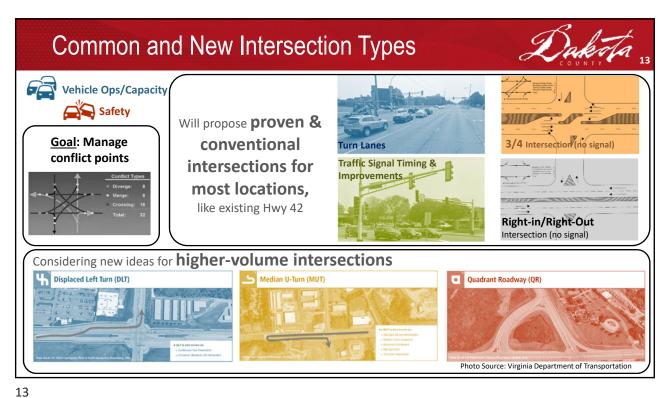
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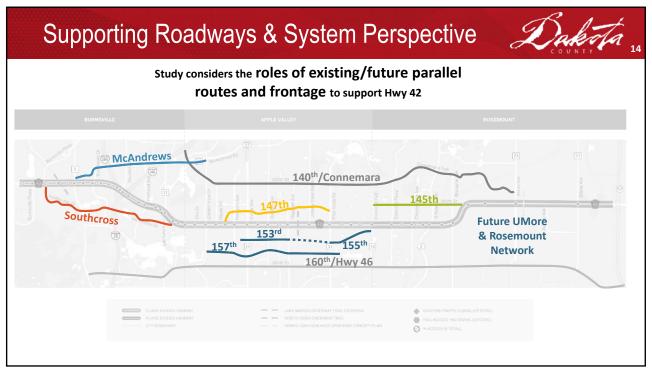
Overall Highway 42 Corridor Vision

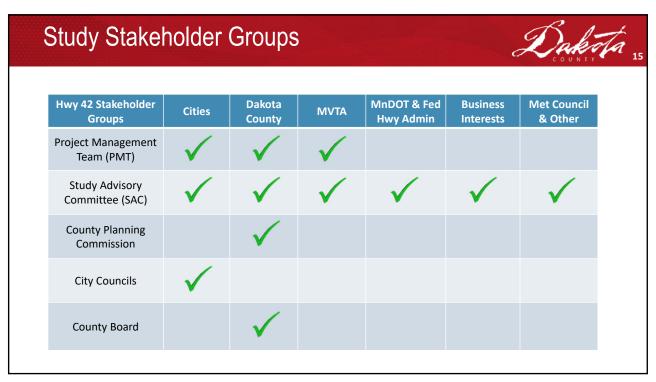


- ✓ Manage access and traffic controls
- ✓ Reduce or defer need for Highway 42 expansion
- ✓ Maintain & improve corridor functions, serving all travelers
 - 2040 travel demand forecasts
 - All modes ped, bike, bus transit, & motorists

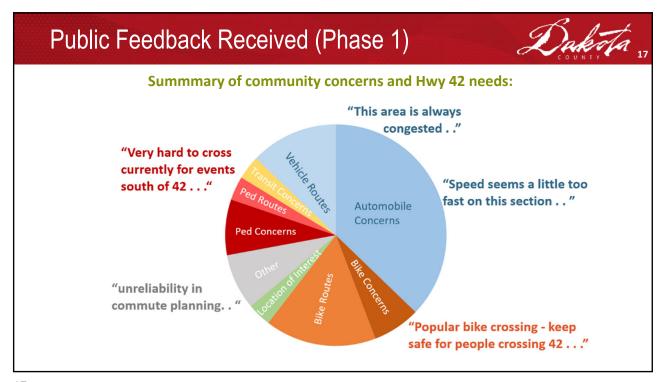














City Highlights & Ideas – Apple Valley 38 140th St accommodations 23 31 33 Other changes at many ntersections to improv safety for all travelers 6 LANE DIVIDED HIGHWAY FULL ACCESS - NO SIGNAL A LANE DIVIDED HIGHWAY NORTH CREEK GREENWAY UNDERPASS (2022 PROJECT)

Aging infrastructure needs and context-sensitive opportunities

- Coordinated improvements with the intersections of Southcross Drive, Redwood Drive, and Elm Drive to better accommodate vehicle traffic, pedestrians and bicyclists
- One-way frontage road system to provide more space for pedestrian and bike
- Potential grade-separated crossings for pedestrians and bicyclists
- Grade-separated crossing of the high volume of Cedar Avenue/Highway 77
- New intersection configurations options to provide additional capacity at Pilot Knob Road

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City Highlights & Ideas – Burnsville Transit service opportunities, high traffic ville PKWY 5 35E volumes, and future redevelopment Highway 42 bus-stop improvements and transitstation upgrades at Burnsville Center Intersection redesign at Aldrich Avenue, allowing traffic and pedestrians/bicyclists to cross under Highway 42 Freeway interchange ramp changes to improve land access and Highway 42 connections Improvements around Portland Avenue to address Other changes at many the eastbound lane drop and other issues safety for all travelers EXISTING TRAFFIC SIGNAL Possible bus-stop improvements in Burnsville in segments east of I-35E LAKE MARION GREENWAY TRAIL UNDERPASS (BUILT 2020)

City Highlights & Ideas – Rosemount Trail and roadway safety needs; Bonnaire Path Conne mara Trail opportunities with development Grade-separated crossing of both the S. Robert Trail intersection and the adjacent railroad crossing Trails to fill current gaps in the system between S. Robert Trail and Akron Avenue Realignment of Highway 42 to remove tight curves and provide better visibility for a new signal at 145th Street Loop ramps to provide for the heaviest traffic 6 LANE DIVIDED HIGHWAY EXISTING TRAFFIC SIGNAL movements at Highway 52 and a frontage road FULL ACCESS - NO SIGNAL ■ 4 LANE DIVIDED HIGHWAY system between Blaine Avenue and Highway 3/4 ACCESS - CITY BOUNDARY 52 to reduce direct access to Highway 42 VERMILLION HIGHLANDS GREENWAY UNDERPASS (CONCEPT) Planned access along Highway 42 to accommodate future roadway network as Pedestrian and bicycle crossing treatments to area is developed address current safety concerns

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Current Work and Next Steps



- Outreach Phase 2 Continues
- Pedestrian, Bicycle, & Transit Needs & opportunities
- Traffic Modeling Test 2040 traffic with intersection plans
- Intersection Plans & Draft Recommendations (spring 2021)
 - Feasibility of ideas/alternatives
 - Updated plan, recommendations
 - Implementation

Questions?