



County Highway 42 Visioning Study

County Planning Commission Meeting

Doug Abernethy, Project Manager
Transportation Department
Physical Development Division
June 25, 2020

Presentation Outline

- Study Overview & Status
- Public Outreach
- Corridor Context – Overview
- Geographic/Topical Discussion
- Visioning Study Next Steps

Study Overview



- 15.5 mile study corridor – principal arterial (PA) highway
- 29 signalized intersections (+1 in 2021 – CH 73/Akron Ave)
- Previously studied with Scott County in 1999

Recent and Upcoming Projects



- 1 Lake Marion Greenway Crossing** - To be constructed summer of 2020
- 2 Pavement Reconstruction** - This is upcoming (2021 construction)
- 3 Eastbound Left-turn Lane Extension & Bridge Preservation** - Completed in 2017
- 4 Trail Improvements** - North Side of CH 42, Completed in 2015
- 5 Lac Lavon Striped Bicycle Lanes in Roadway** - To be completed summer of 2020

- 6 Traffic Signal Improvements at CH 42 & CH 23** - Completed in 2017
- 7 Signal Upgrades at Johnny Cake Ridge Rd** - A new signal and roadway improvements are set for completion in the summer of 2020 at 42 & Johnny Cake Ridge Road
- 8 New 3/4 Intersection** - CH 42 and Embury Path, Completed in 2018

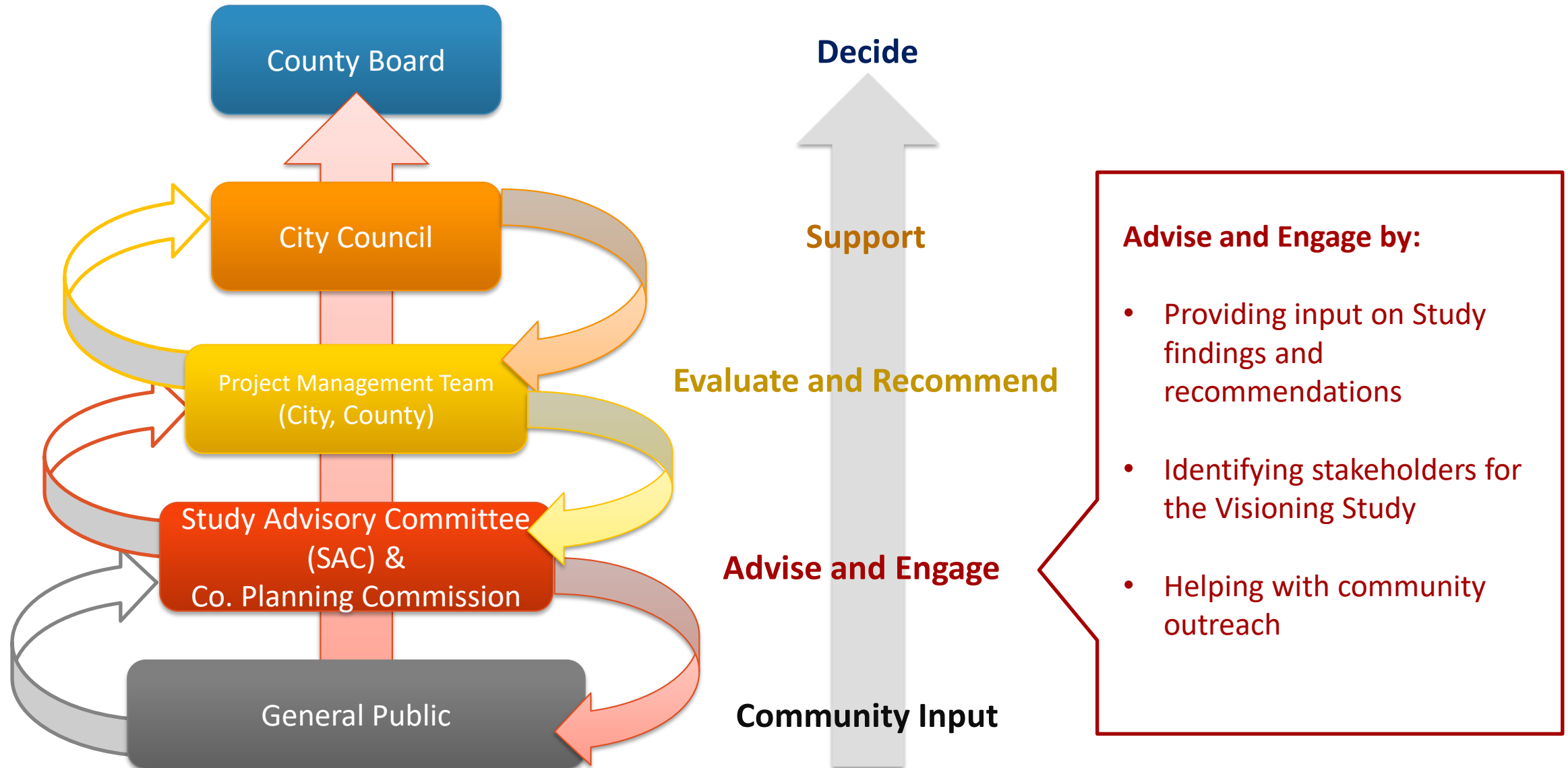
- 9 Paving of Biscayne Ave South of CH 42** - To be completed in 2020
- 10 Akron Ave Intersection and Median Modification** - To be constructed in 2021: The project includes installation of a new traffic signal, widening of Akron south of CH 42, and changes to the CH 42 median east of CR 73/Akron to prohibit left turns from driveways onto CH 42
- 11 Pavement Reconstructed on CH 42** - E of 145th/S-curve to MN Hwy 55, Completed in 2018
- 12 New Diamond Interchange** - CH 42 and US 52, Completed in 2017

What is the Visioning Study process & schedule?

16-18 month schedule (to summer 2021)



Stakeholders and Roles



SAC and PMT Members

Dakota County

Doug Abere, Project Manager (PM)
Nikki Farrington, Consultant Team PM
Erin Laberee, Assistant County Engineer
Gina Mitteco, Regional & Multi-Modal Manager

Apple Valley

Brandon Anderson, City Engineer
Kathy Bodmer, City Planner
Edward Kearney, Apple Valley Chamber of
Commerce President

Burnsville

Ryan Peterson, City Public Works Director
Sarah Madden, City Planner
Jennifer Harmening, Burnsville Chamber of
Commerce President

Rosemount

Kyle Klatt, City Senior Planner
Maureen Scallen Failor, Dakota Co. Regional Chamber
of Commerce President

Local Partners

Ben Picone, MVTA Transit Planner
Scott Thompson, Metro Transit, Sr. Transit Planner
Paul Demuth, DCTC Director of Operations
Andrew Caddock, UMore, Sr. Planner, Space & Real Estate
Zach Johnson, City of Lakeville Engineer
Craig Jensen, Scott County Transportation Planner Manager

Regional Partners

Joe Barbeau, Met Council Manager, Technical Planning Support
Molly Kline, MnDOT South Area Engineer
Mohamoud Mire, MnDOT Metro South Area Support Engineer
Will Stein, FHWA Design & Safety Engineer
Jim McCarthy, FHWA Traffic Operations Engineer

SAC Alternates

Regina Dean, Burnsville Assist Community
Development Director
Kim Lindquist, Rosemount Community
Development Director
John Dillery, Metro Transit Sr. Transit Planner

Project Management Team (PMT)

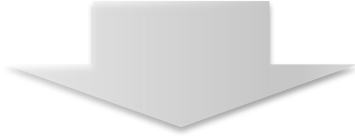
John Sass, Dakota Co Project Management Group
Lead
Tom Bowlin, Dakota Co Assistant Co Traffic Engineer
Aaron Sather, Dakota Co Management Fellow,
Communications
Matt Saam, Apple Valley Public Works Director
Jen Desrude, Burnsville City Engineer
Brian Erickson, Rosemount Director of Public
Works/City Engineer
Aaron Bartling, MVTA Planning Manager

Study Process and Approach

Key Project Questions/Decisions



What does the community want?



How does/will the corridor operate?



What are solutions?



How should we prioritize and fund projects?

Project Technical Approach

Corridor Inventory, Context and Community Priorities

Traffic Operations & Roadway Performance

Pedestrian, Bicycle and Transit Service

Project Identification & Concept Drawings

Project Implementation, Funding & Process Review

Public Involvement Approach



County & Local Input

Online Surveys

Wikimap Online Surveys

Open Houses

Pop-Up Meetings

Focus Group Meetings

Business Listening Sessions



Outreach To-Date Summary

Website

The screenshot shows the Dakota County website with a navigation bar at the top. The main content area is titled "County Highway 42 Visioning Study". It includes a map of the study area from Burnsville to Rosemount, passing through Apple Valley. The map shows various roads and landmarks. Below the map, there is text describing the study and its goals. A sidebar on the left lists "Current Studies" and "Past Studies".

County Highway 42 Visioning Study

Dakota County is working with the cities of Burnsville, Apple Valley and Rosemount to prepare a long-term vision for County Highway 42. The highway is designated a principal arterial, which means it is managed to emphasize efficient and safe travel over long distances. The highway also has dozens of intersections to provide controlled access to residential and commercial areas.

A similar plan for the roadway was last completed in 1999.

The study is looking at 15 miles of County Highway 42, from the county's west border in Burnsville to Highway 52 in Rosemount.

Public input and data collected in the past has identified concerns, including congestion, safety, and accommodations for pedestrians, bicyclists, and bus transit.

The study will address traffic growth, land uses and future improvements. The goals include finding cost-effective ways to improve mobility and safety for vehicles and pedestrians and to improve connections across County Highway 42.

Study timeline and process

- Through June 2020: Share study overview
- July-September 2020: Map details of study area
- October 2020-February 2021: Discuss study goals and objectives
- March-June 2021: Review study findings

Opportunities for public input

Dakota County and the three cities will regularly seek public input. For health guidance, we've prepared information on how to safely participate in the study.

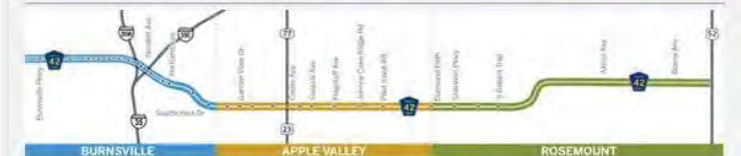
Social Media



WE WANT TO
HEAR FROM YOU



Emails, Newsletter and Mailings



COUNTY HIGHWAY 42 VISIONING STUDY

Dakota County is working with the Cities of Burnsville, Apple Valley and Rosemount to develop an updated vision for County State-Aid Highway 42, usually called County Road 42.

How does your business relate to County Road 42 and what types of issues or projects would you like considered?

This long-term study will be underway throughout the next year and will identify and address needs for all travel modes – motorists, bus riders, bicyclists and pedestrians. Your participation will help set priorities for short- and long-term projects.

[Learn more and participate in the study.](#)

You can also contact Doug Abere, Dakota County Project Manager at doug.abere@co.dakota.mn.us or 952-891-7177.

Outreach To-Date Summary



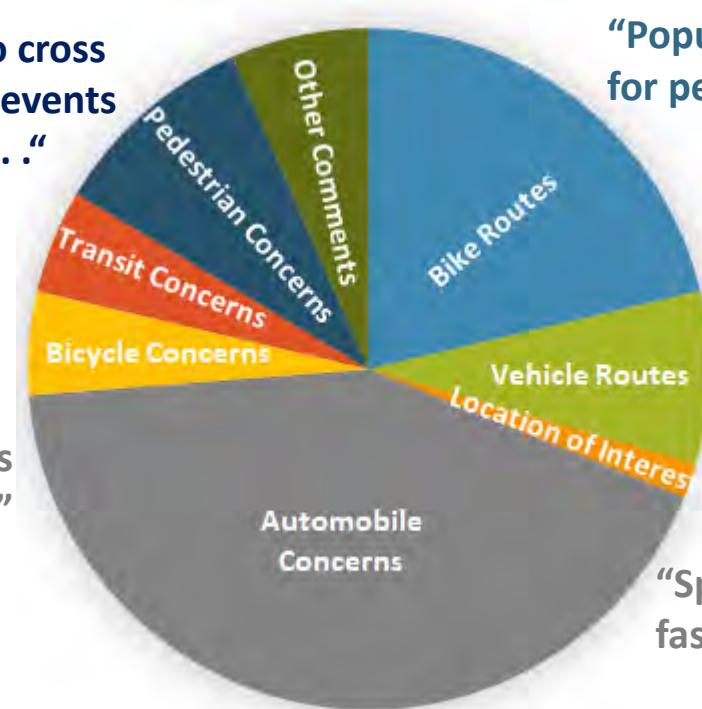
Survey Participants



Wikimap comments

“Very hard to cross currently for events south of 42 . . .”

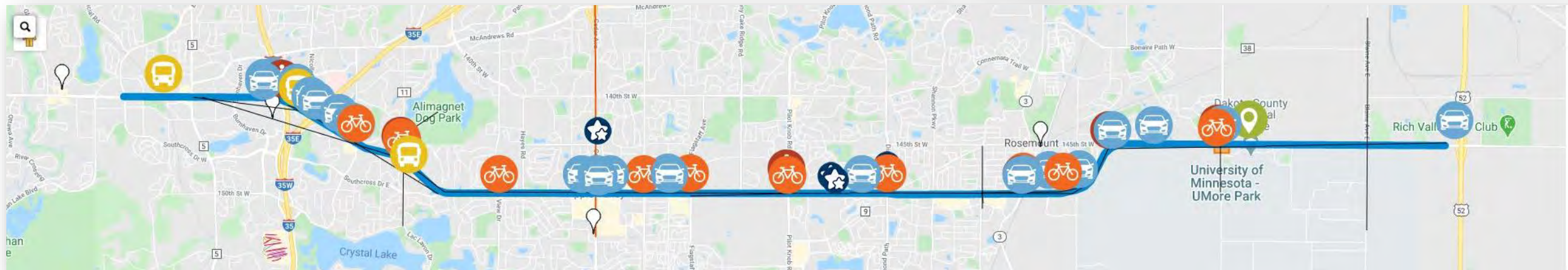
“This area is always congested . . .”



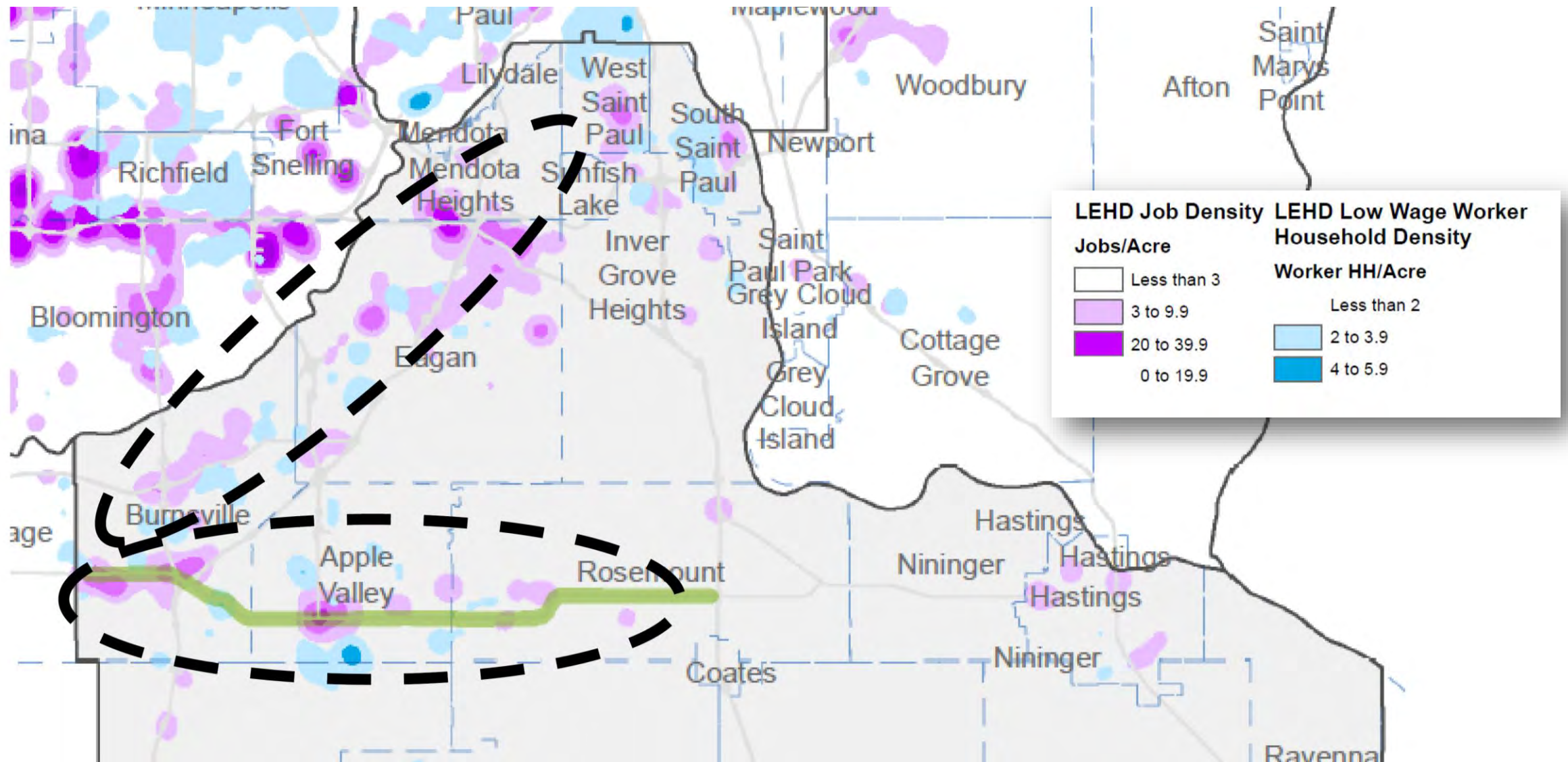
“Popular bike crossing - keep safe for people crossing 42 . . .”

“unreliability in commute planning. . .”

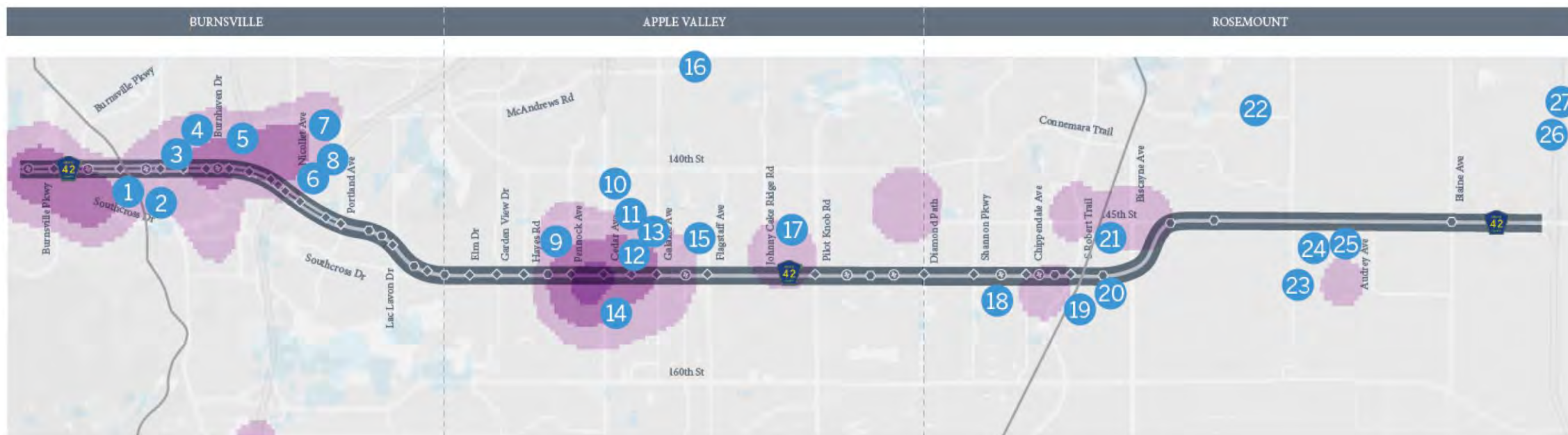
“Speed seems a little too fast on this section . . .”



Corridor Context – Dakota County



Corridor Context – Jobs/Employers



① UTS Aerospace System

② Ames Construction

③ Cub Foods

④ Costco

⑤ Target

⑥ Park Nicollet Clinic and Specialty Center

⑦ Ebenezer Ridges Care Center

⑧ M Health Fairview Ridges Hospital

⑨ Walmart

⑩ Saint Mary's University of Minnesota

⑪ Wings Financial Credit Union

⑫ Dakota County Western Service Center

⑬ Apple Valley Medical Center

⑭ Target

⑮ Menards

⑯ Minnesota Zoo

⑰ Uponor

⑱ Cub Foods

⑲ MRCI

⑳ Protolabs

㉑ El Dorado Packaging

㉒ CSM Automation

㉓ University of Minnesota - UMore Park

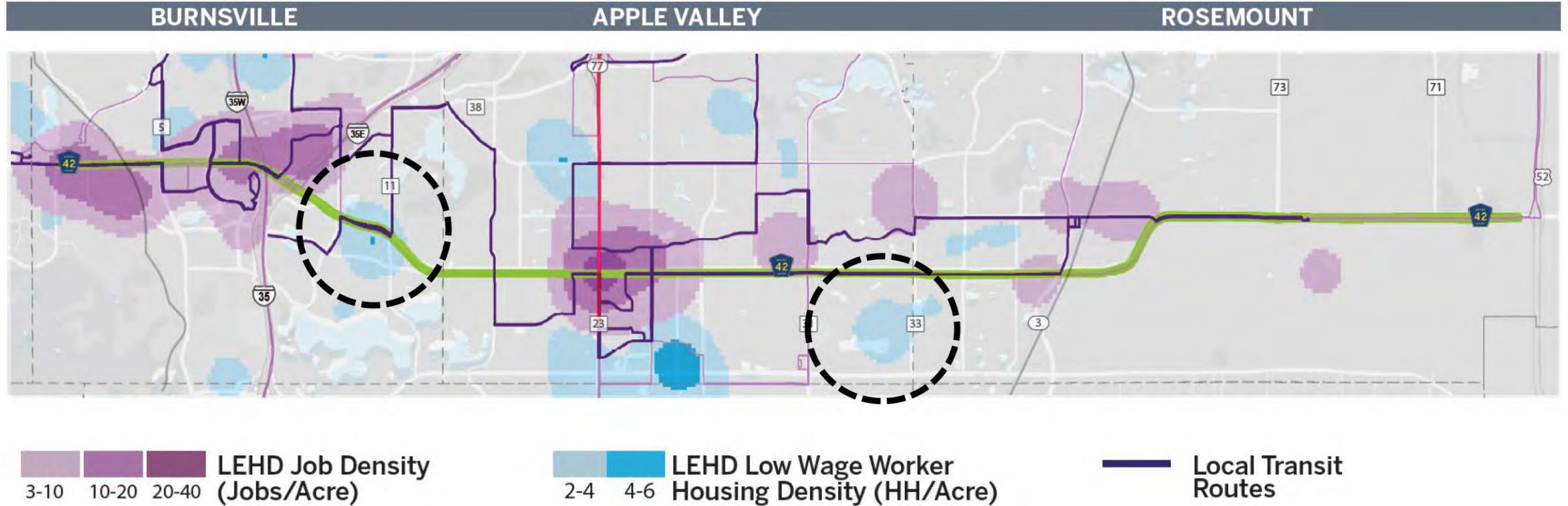
㉔ Dakota Technical College

㉕ Intermediate School District 917

㉖ Spectro Alloy Corporation

㉗ CF Industries

Corridor Context – Jobs, Housing, & Bus Transit

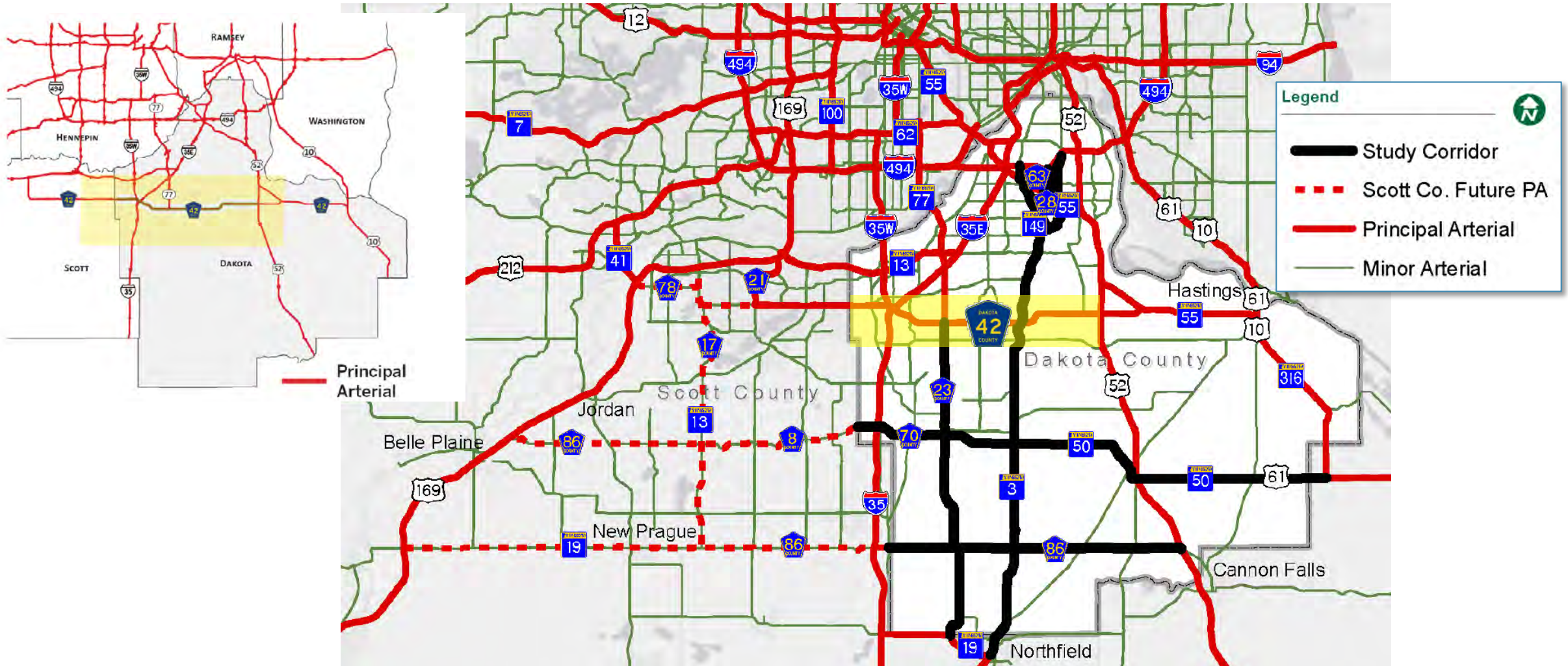


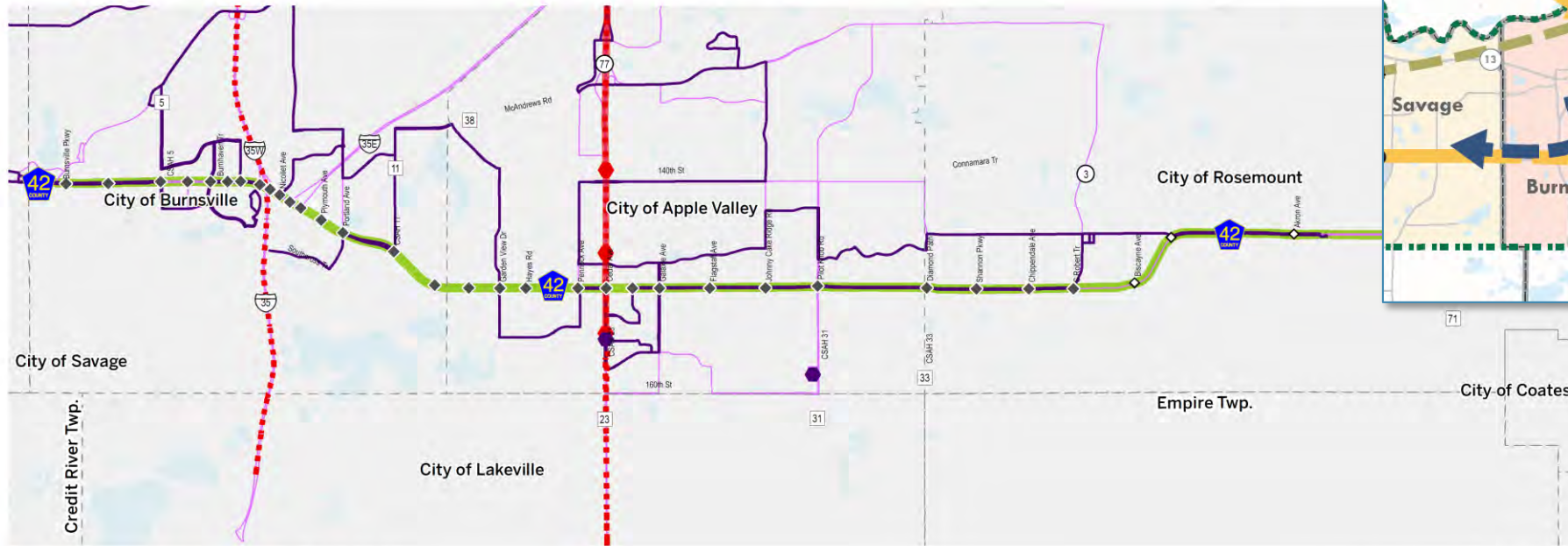
- Questions or comments so far?
- Next, regional and local perspectives & issues – share your input or questions (next slides)
 - Regional Perspective & Partners (Greater Dakota Co., Scott Co.)
 - MVTA and Metro Transit
 - Rosemount
 - Apple Valley
 - Burnsville

Regional Perspective and Partners

(Greater Dakota Co., Scott Co.)

(From Dakota Co. PA/Network Study)

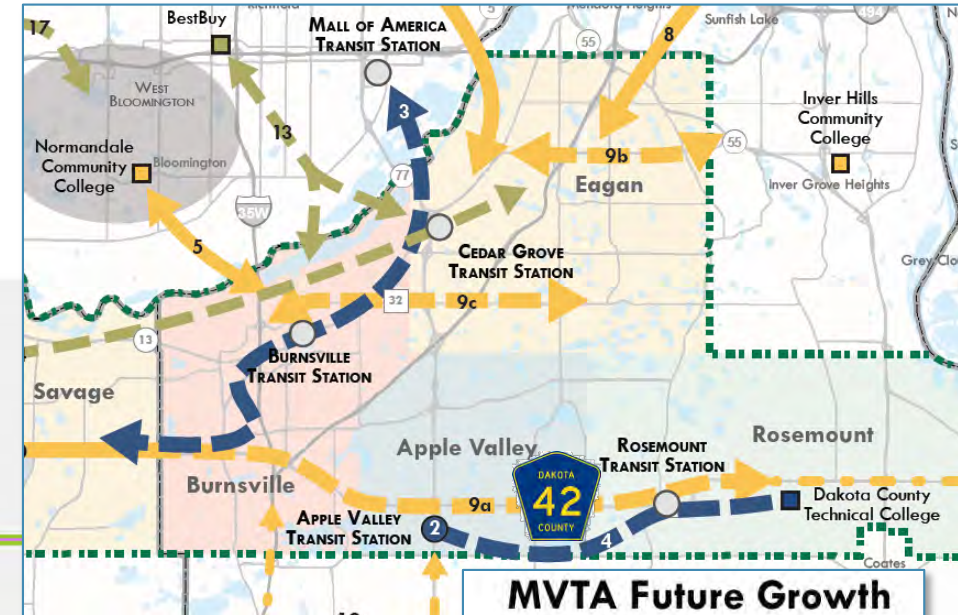




Sources: Minnesota GeoSpatial Commons, ESRI, Dakota County Geodatabase, Metropolitan Council Existing and Planned Transitways

Figure 6.0
Public Transportation

- Red Line BRT
- Red Line Station
- Planned Transitways (2040)
- TransitCenters
- Bus Routes
 - Local
 - Express
- CH 42
- City Boundary

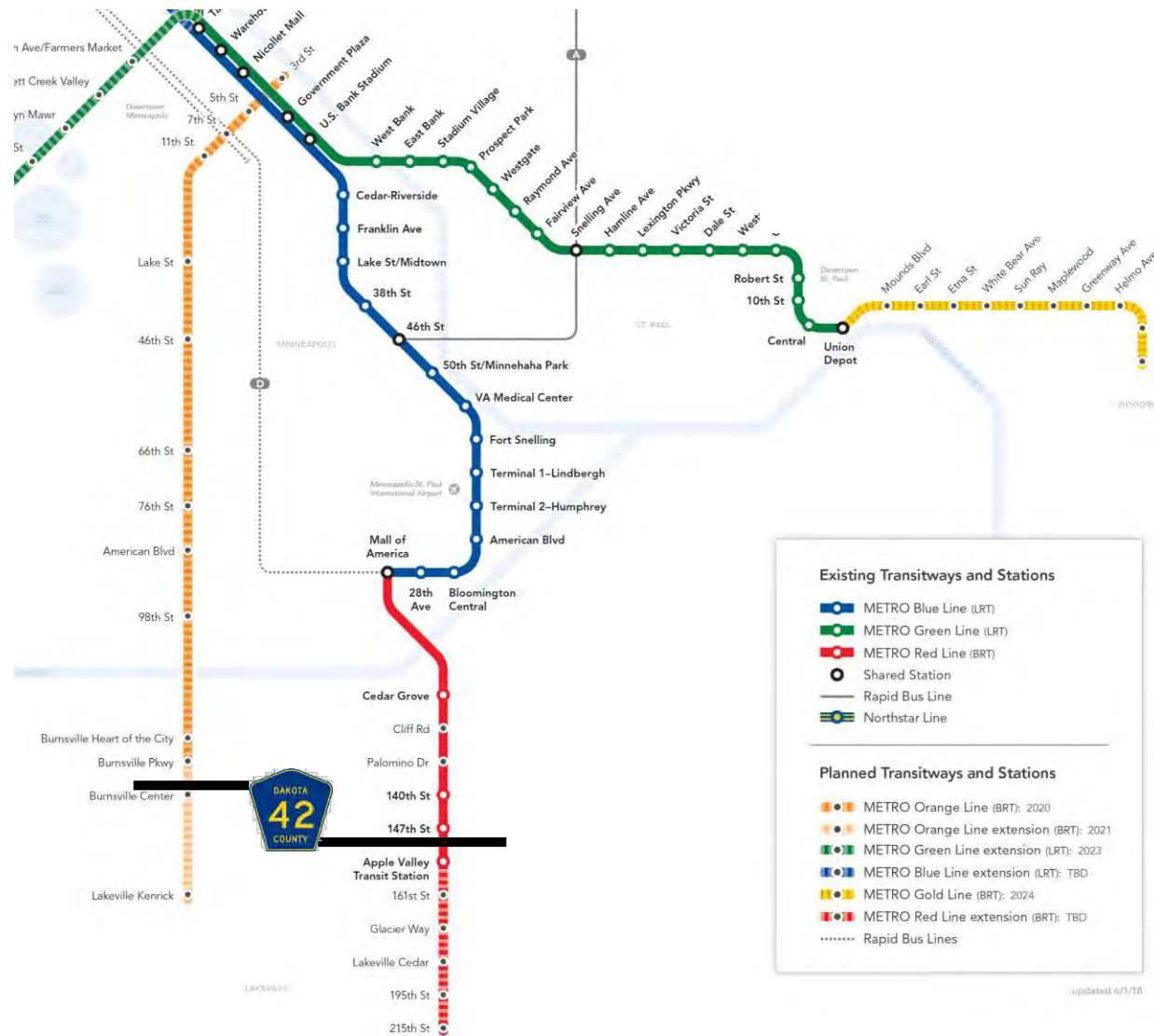


MVTA Future Growth Concept Map

Updated January 2018

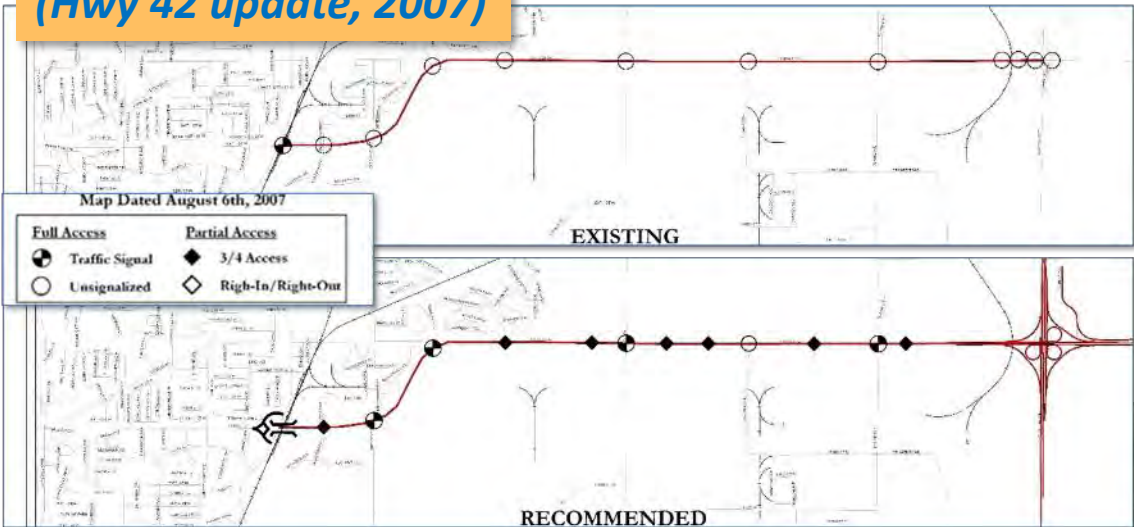
- Grant Application
- Study Recommendation/MVTA SIP
- Customer Service Database
- Near-Term (0-5 years)
- Mid-Term (5-10 years)
- Long-Term (10+ years)
- Transit Station
- Point of Interest
- Area of Interest

Metro Transit



Rosemount

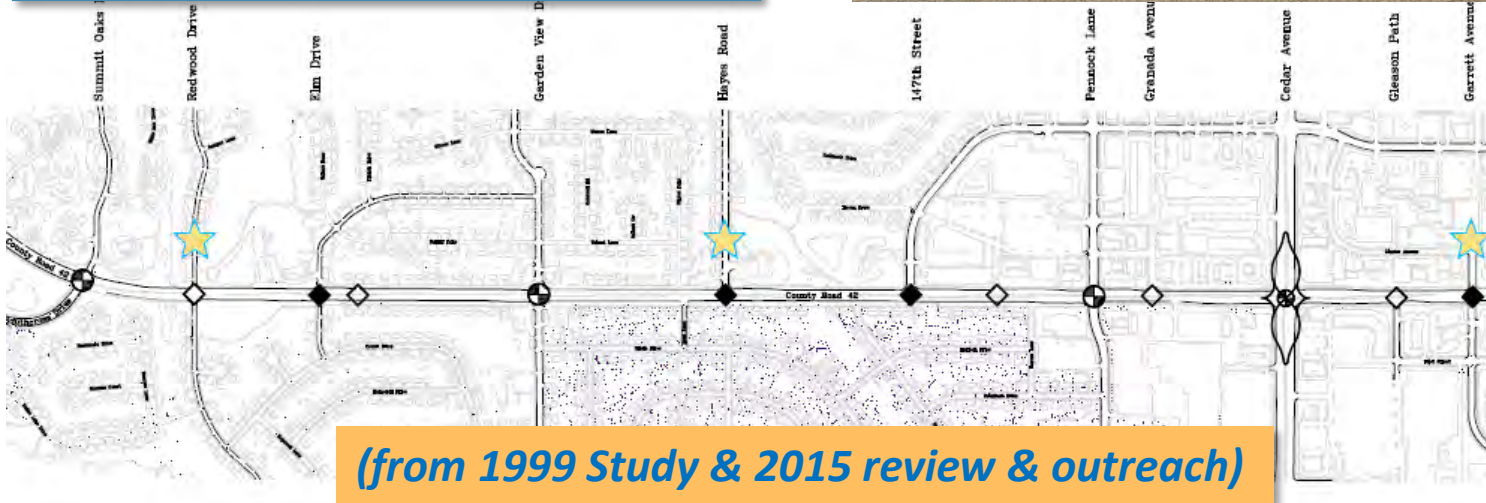
(Hwy 42 update, 2007)



Apple Valley



CH 42 & CH 23 (Cedar Ave):
Regionally Significant At-Grade Int.



1999 County Road 42 Study Recommendations:

LEGEND	
Full Access	Partial Access
⊕ Traffic Signal	◆ 3/4 Access
○ Unsignalized	◇ Right-In / Right-out

★ Since the original study was performed, recommendations have been revised:
Garret Avenue - Retain Traffic Signal
Hayes Road - Retain Traffic Signal
Redwood Drive - Modified 3/4 Access





Burnsville Center Village Redevelopment Vision & Traffic Study



Visioning Study Next Steps (to fall of 2020)

- Expanded Outreach; More on Context, Issues
- Highway Traffic and Safety Tech Study
- Pedestrian, Bicycle, and Transit Tech Study
- Need for Hwy 42 Improvement Projects
 - Infrastructure
 - Technology
- Consider How Other Roadways May Support Hwy 42

Additional Questions, Discussion?