



Enhanced bikeway network study

Guiding documents

County Board resolution 17-0381R1

2040 Bicycle Transportation Plan



Hennepin County
2040

Bicycle Transportation Plan:
Making bicycling safe and comfortable

April 14, 2015



Study goals



Review county roadways to determine suitability for enhanced bicycle infrastructure

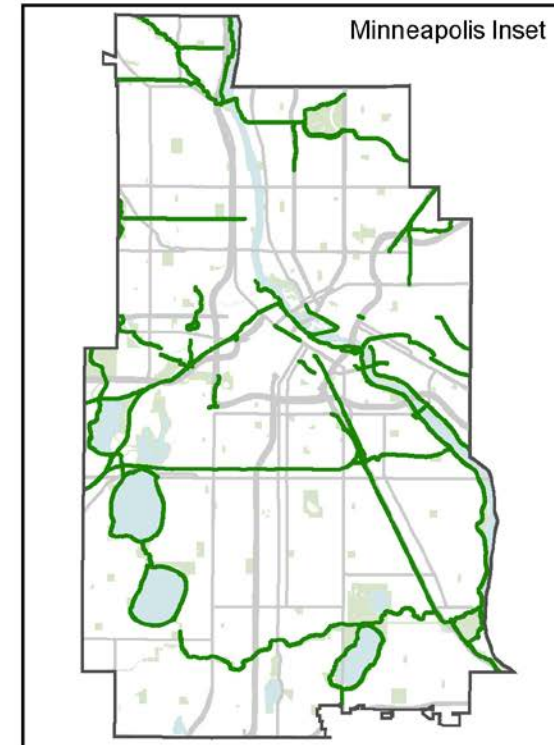
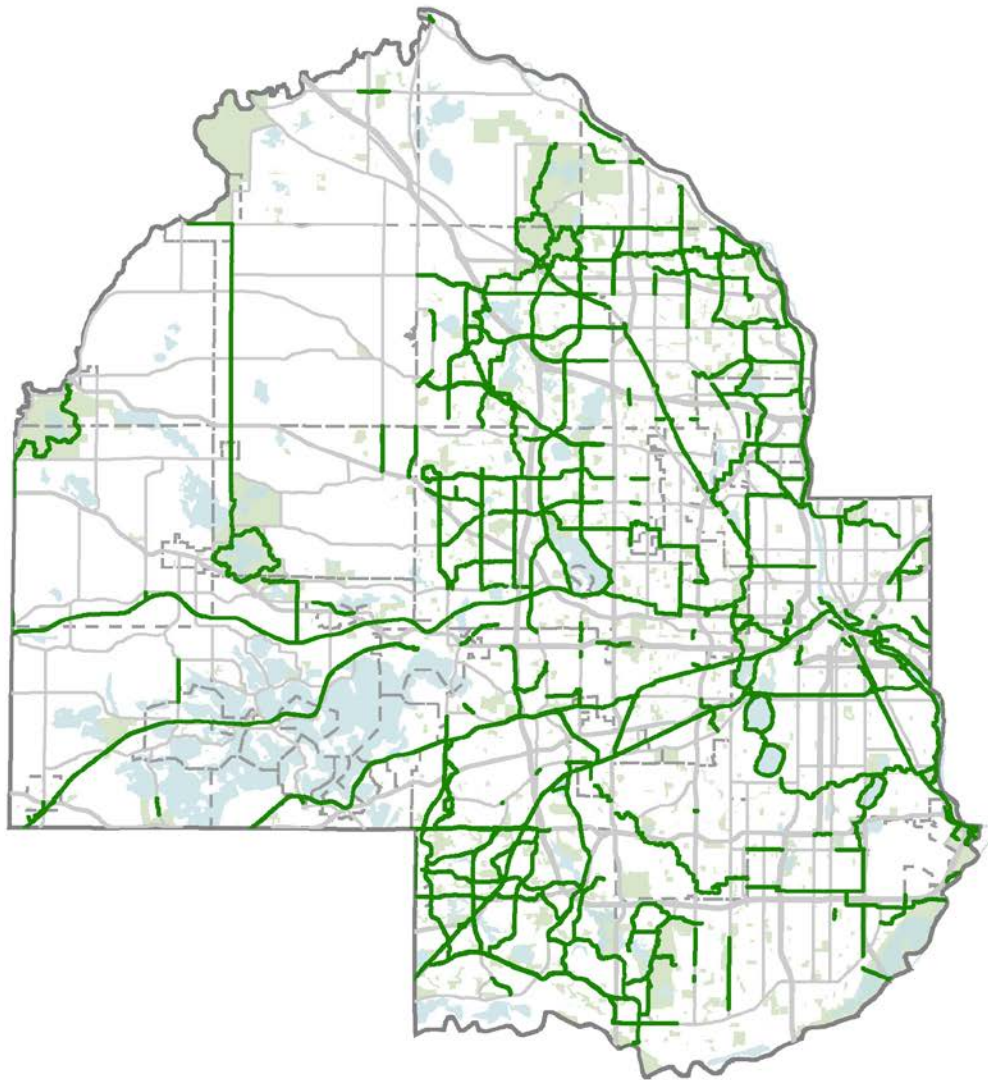


Evaluate estimated construction and maintenance costs and assess changes to county's cost participation policy



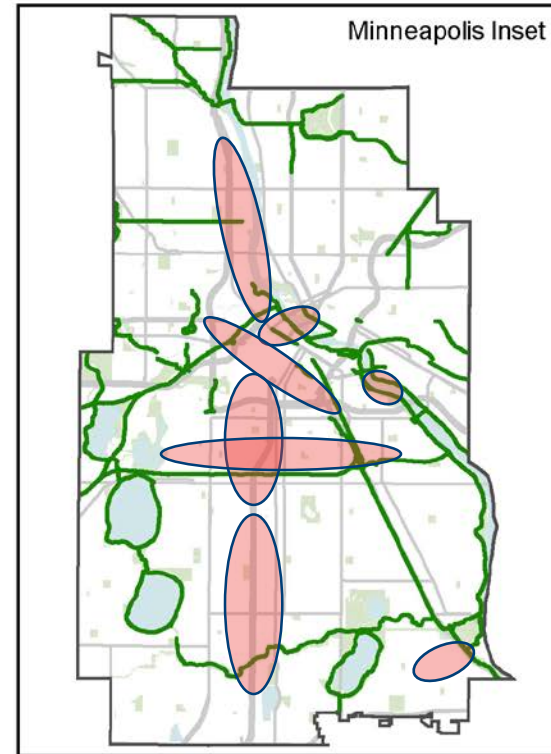
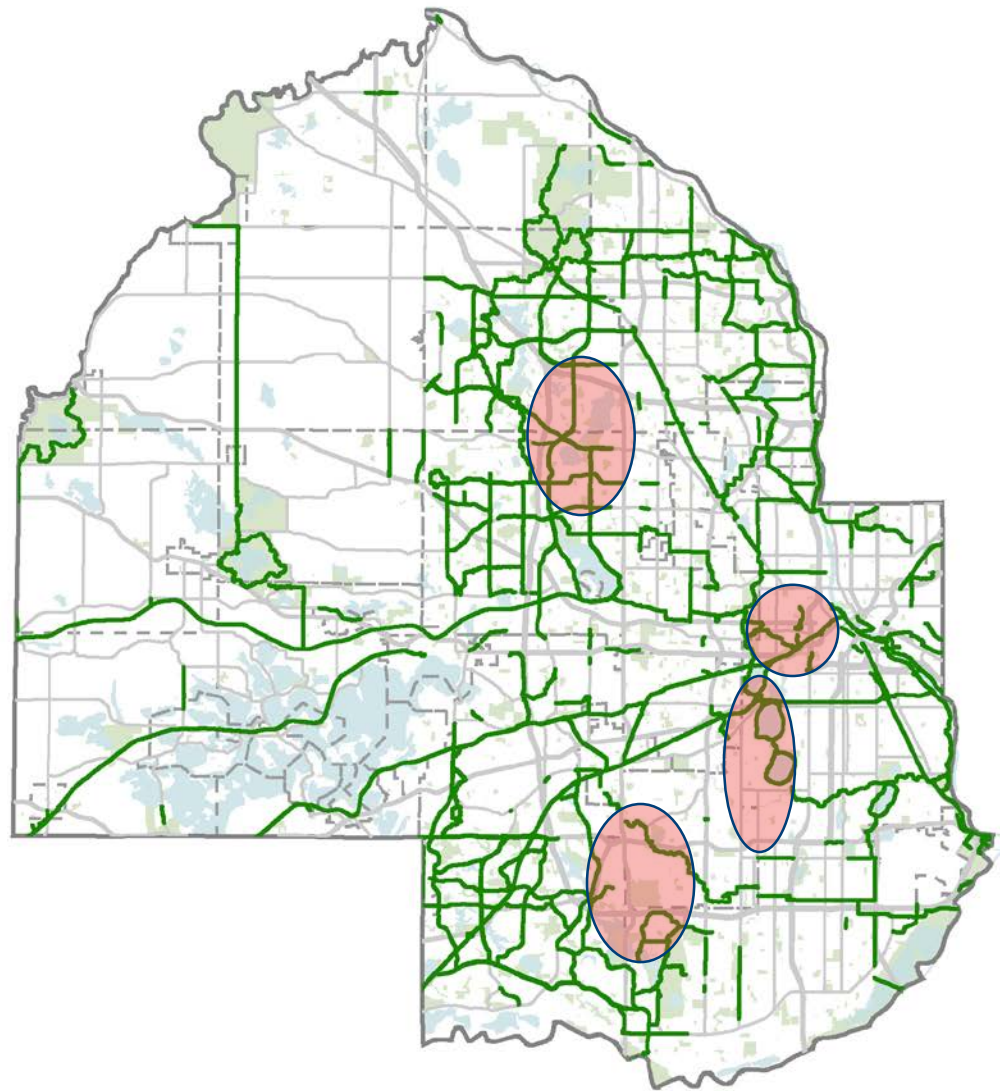
Identify list of roadways potentially suitable for enhanced bikeways


Existing enhanced bikeway network



 Hennepin Off-Street Bikeway

Enhanced bikeway network gaps



 Hennepin Off-Street Bikeway

Bikeway types addressed in study



On-Street Protected



Curb Protected/Cycle Track

Analysis criteria

Level 1 Criteria - Bicycle Level of Traffic Stress Analysis

- AADT (Vehicle Volumes)
- Speed limit
- Through lanes
- Bicycle facility/parking lane width
- Bike crashes

Level 2 Criteria – Prioritization Factors

- Bikeway network connections – emphasis on regional trail network
- Existing demand and bicycle volume
- Future project opportunities
- Equity

Construction – cost estimates

Cost range

\$30,000 | \$100,000 | \$200,000 | \$300,000 | \$400,000 | \$500,000 | \$600,000



On-street protected



Cycle track



Multiuse trail



Maintenance – cost estimates

Year-round maintenance



Winter



Spring/Fall

Start-up costs



Equipment



Facility



Staff



Next steps

Policy issues

- Continued discussion with cities regarding maintenance and cost participation
- Assess impacts to cost share policy

Technical issues

- Continue studies, plans and projects involving protected bikeways
- Reach out to residents and partner agencies on a project-by-project basis
- Clarify real costs of maintenance to the county and explore possible funding strategies