



TRANSPORTATION
POLICY PLAN

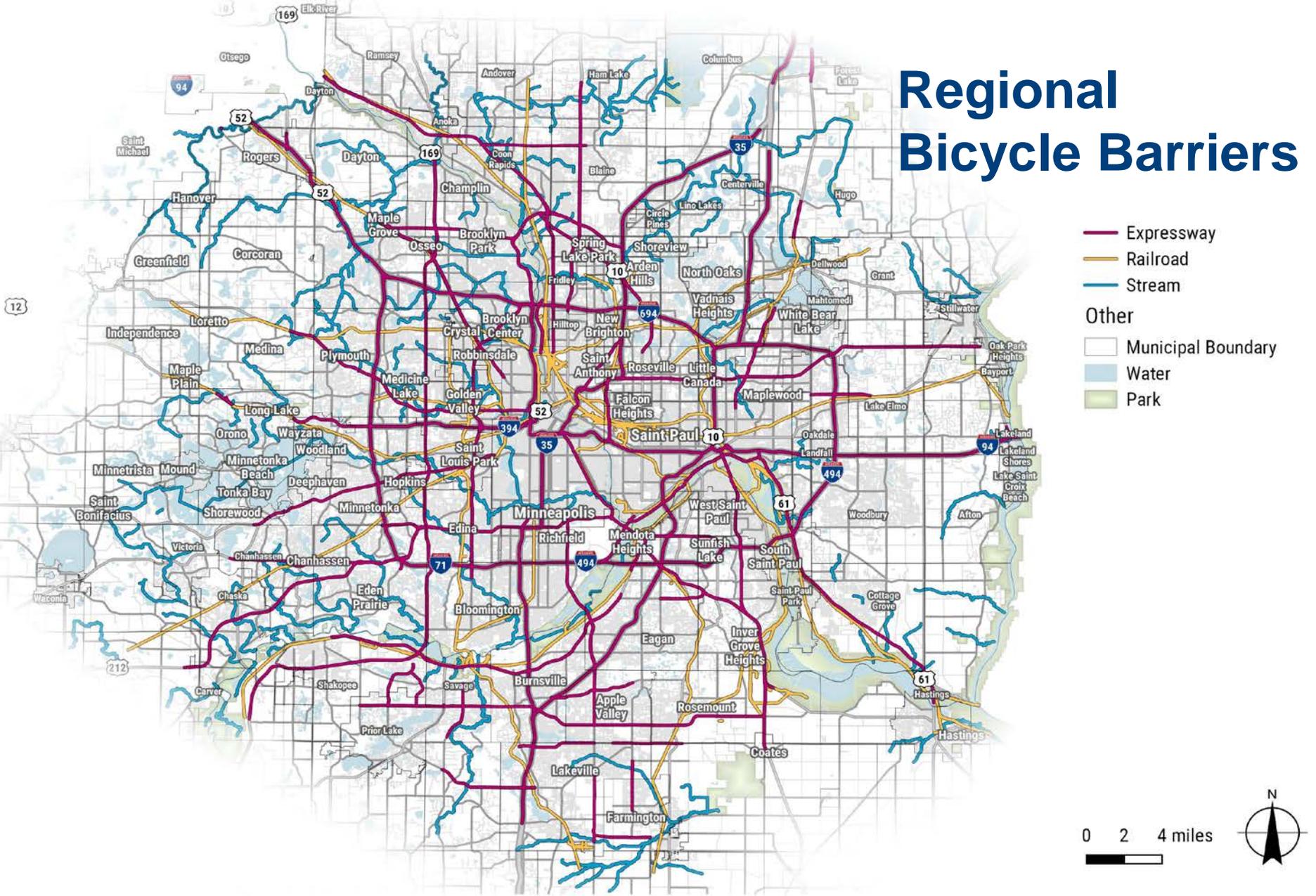
Regional Bicycle Barriers Study Results

TAC Planning
December 14, 2017

Regional Bicycle Barriers Study - Purpose

- Analyze region's physical barriers to bicycling
- Assess where barriers impact continuity of regional and local bicycle networks
- Evaluate existing and potential bicycle crossing opportunities of regional barriers
- Inform TPP and Regional Solicitation

Regional Bicycle Barriers



Galen Dmerso November 27, 2017 H:\A000\A039_P_MET_TwinCity_Regional_Bicycle_Barriers_Study\PRODUCTION\GIS\OGS\201710_October\Crossings Basemap (2).qgs

RBBS Analysis Factors

Connectivity

48%

- Local network connections
- RBTN/Reg. trail connections

Bicycle Trip Demand

24%

- Population/employment densities
- Transit ridership
- Schools & colleges

Safety/Existing Conditions

15%

- Bike & Ped crashes within 500 feet
- Bike/walk mode share
- Wiki map problem crossings

Social Equity

12%

- Minority population density
- Zero car households
- ACPs & ACP-50s

Bike Barrier Crossing Spacing

Thrive Planning Area	Preferred Maximum Spacing	Example Cities
Urban Center	½-mile	Minneapolis, St Paul, Richfield, Hopkins, South St Paul
Urban	¾-mile	Golden Valley, Roseville, Maplewood, Crystal, Edina
Suburban, Suburban Edge, Emerging Suburban Edge	1 mile	Blaine, Woodbury, Maple Grove, Eagan, Lakeville
Diversified Rural, Rural Residential, Agricultural	2 miles	Grant, Afton, Ham Lake, Lake Elmo, Independence

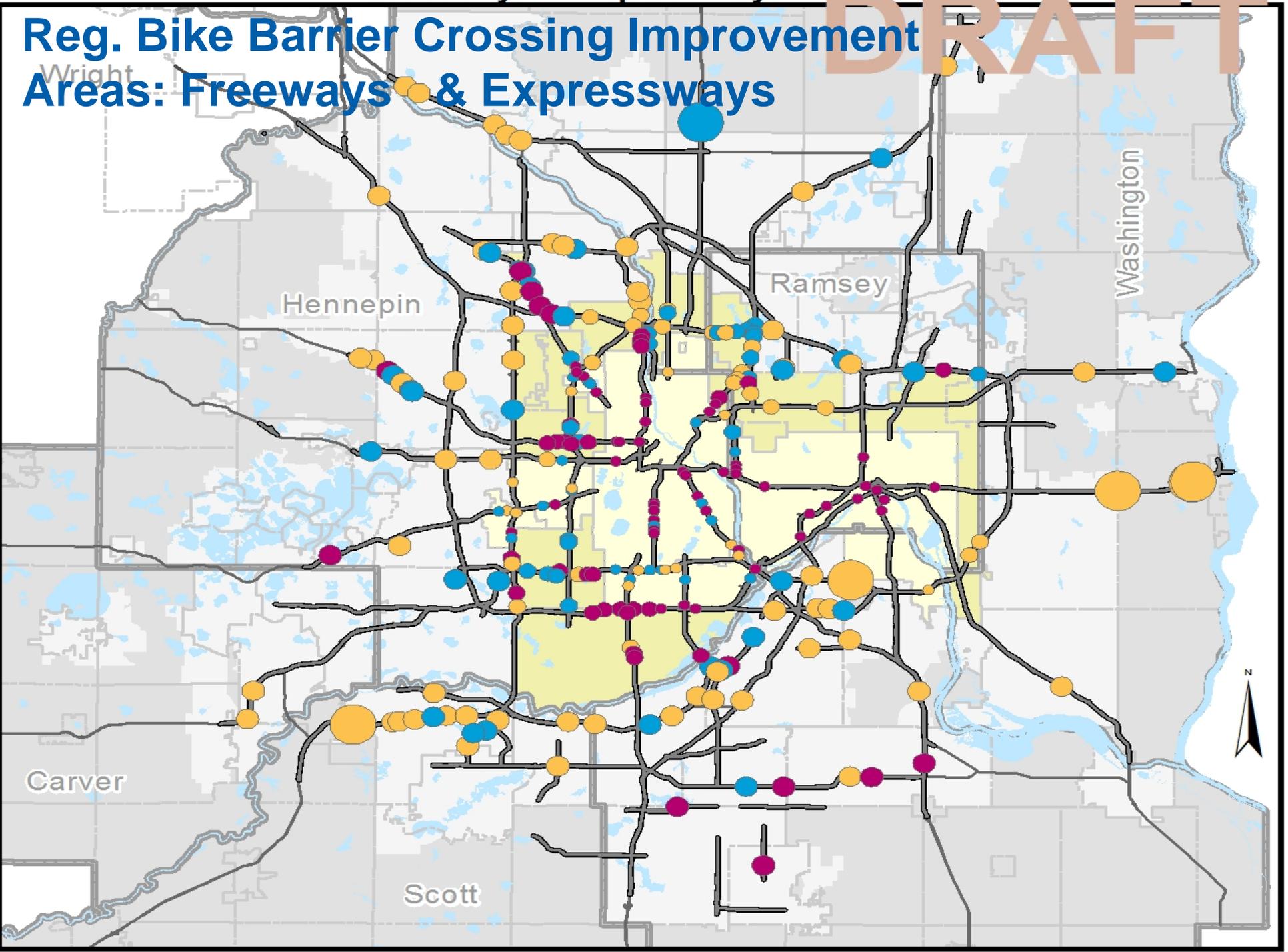
Regional Barrier Crossing Improvement Areas

Study analysis

- About 675 barrier crossing points in final analysis (winnowed down from nearly 1200 points)
- Created three priority tiers from top 450 ranked points
- “Barrier Crossing Improvement Areas” represented by buffered point circles centered on barrier segments
- Circles vary in size by Thrive community designation group & align with preferred spacings between barrier crossings

Reg. Bike Barrier Crossing Improvement Areas: Freeways & Expressways

DRAFT



Reg. Bike Barrier Crossing Improvement Areas: Railroads & Streams

