



**TRANSPORTATION**  
**POLICY PLAN**

# Twin Cities Regional Truck Corridors Study

Transportation Advisory Board

May 17, 2017

# Connection to TPP

## Current TPP

- Need for Regional Truck Study highlighted in current TPP

## Study Purpose

- Review and analyze available truck data
- Propose set of key regional truck corridors

## For TPP Update:

- Proposed “Key Truck Corridors” map
- Guidelines for planning and investment

# Study Analysis

## Key Factors Applied

### Truck Usage factors

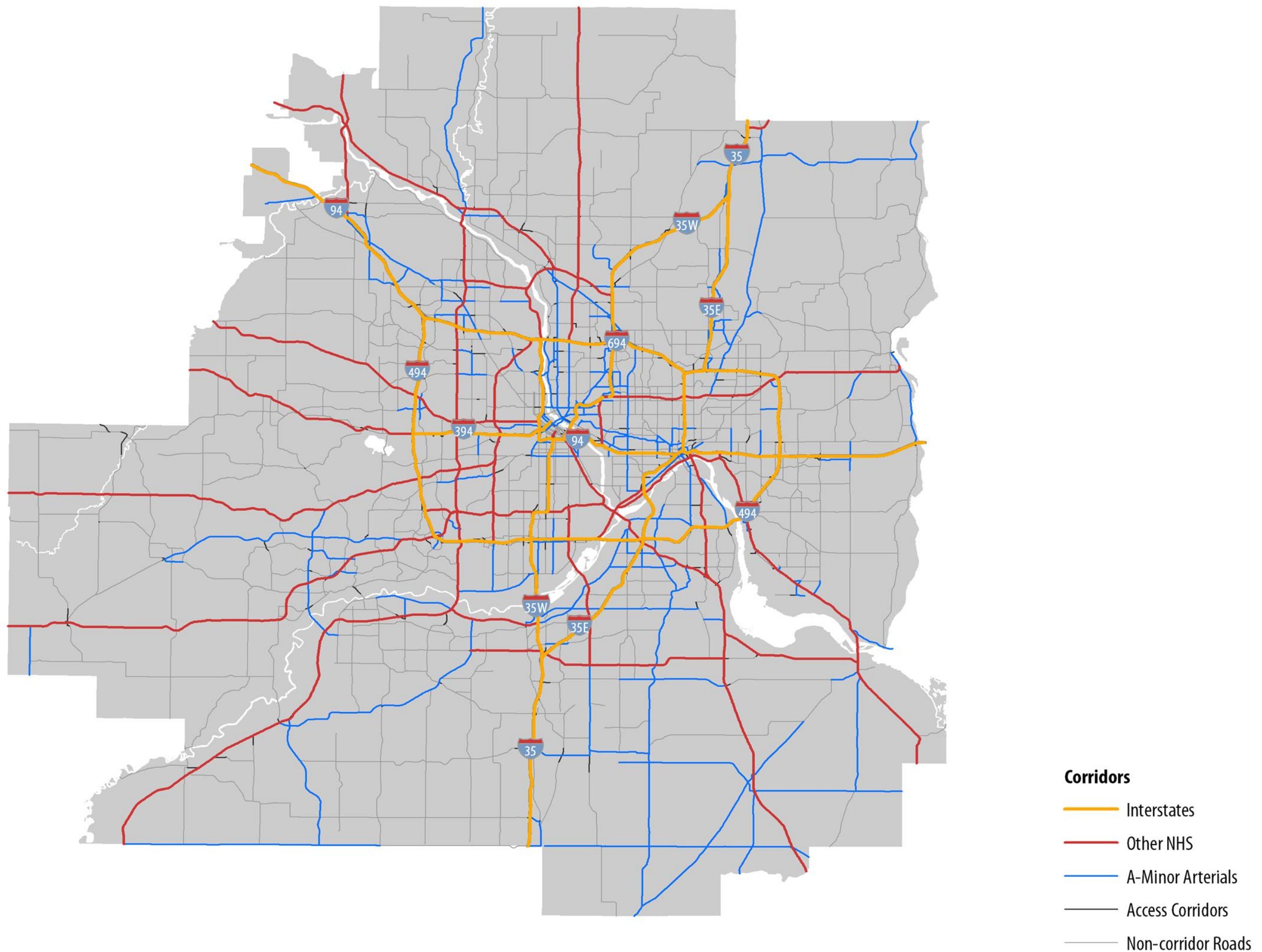
- Average Daily Truck Volumes
- Percent of Trucks to Overall Traffic

### Land Use factors

- Proximity to freight industry clusters
- Proximity to regional freight terminals



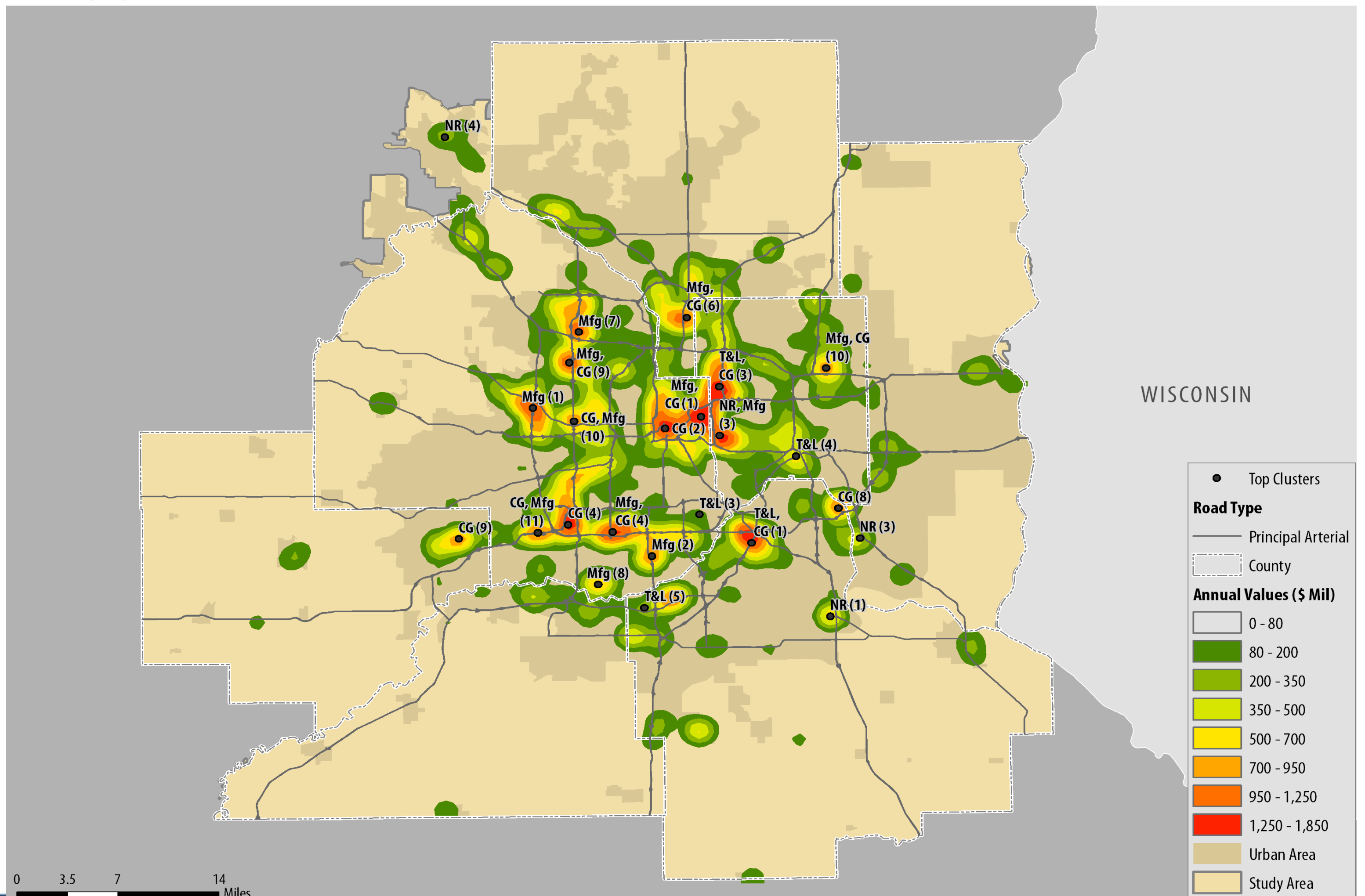
# Truck Usage Factors



# Land Use Factors

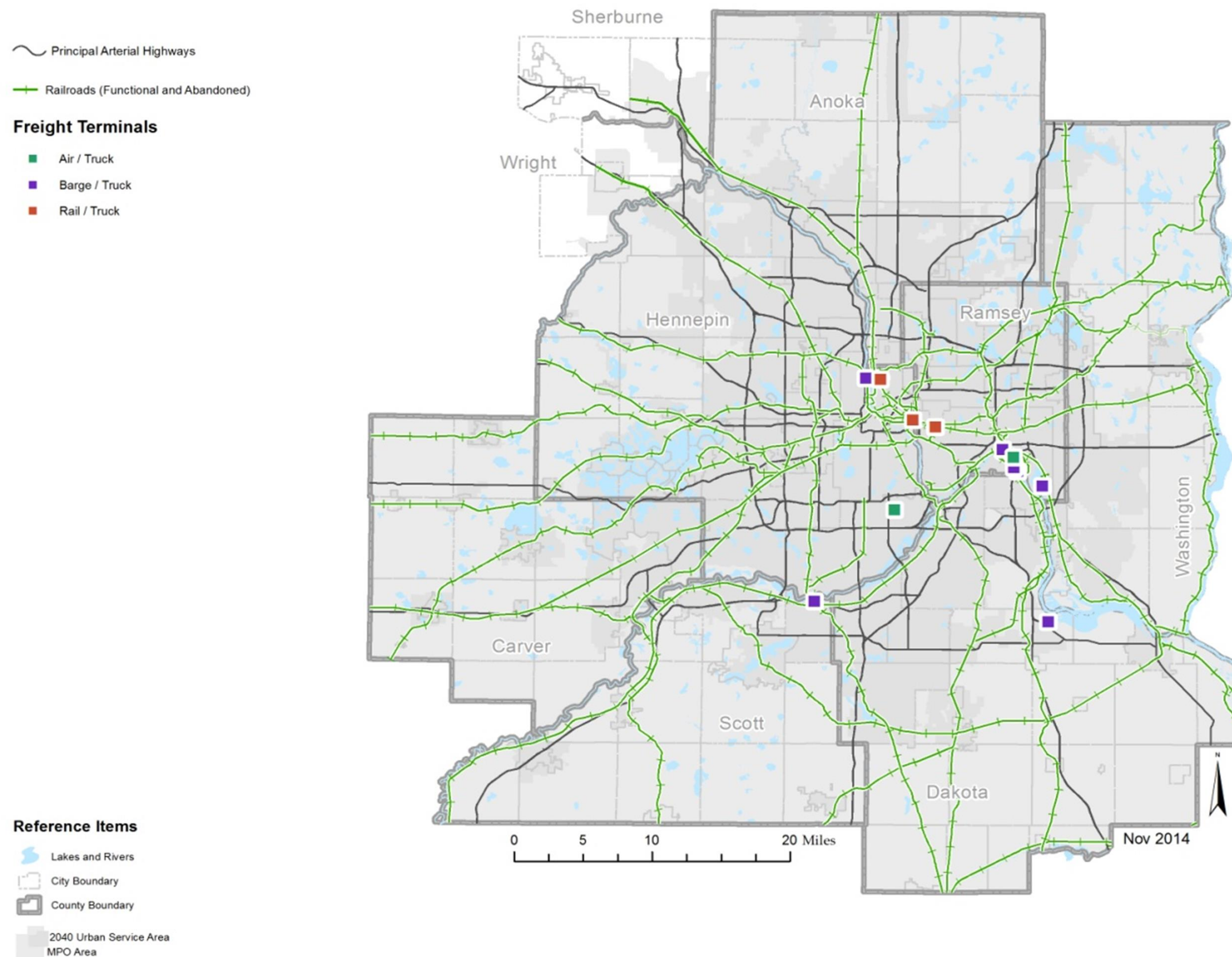
CPCS Solutions for growing economies

Sector: ALL



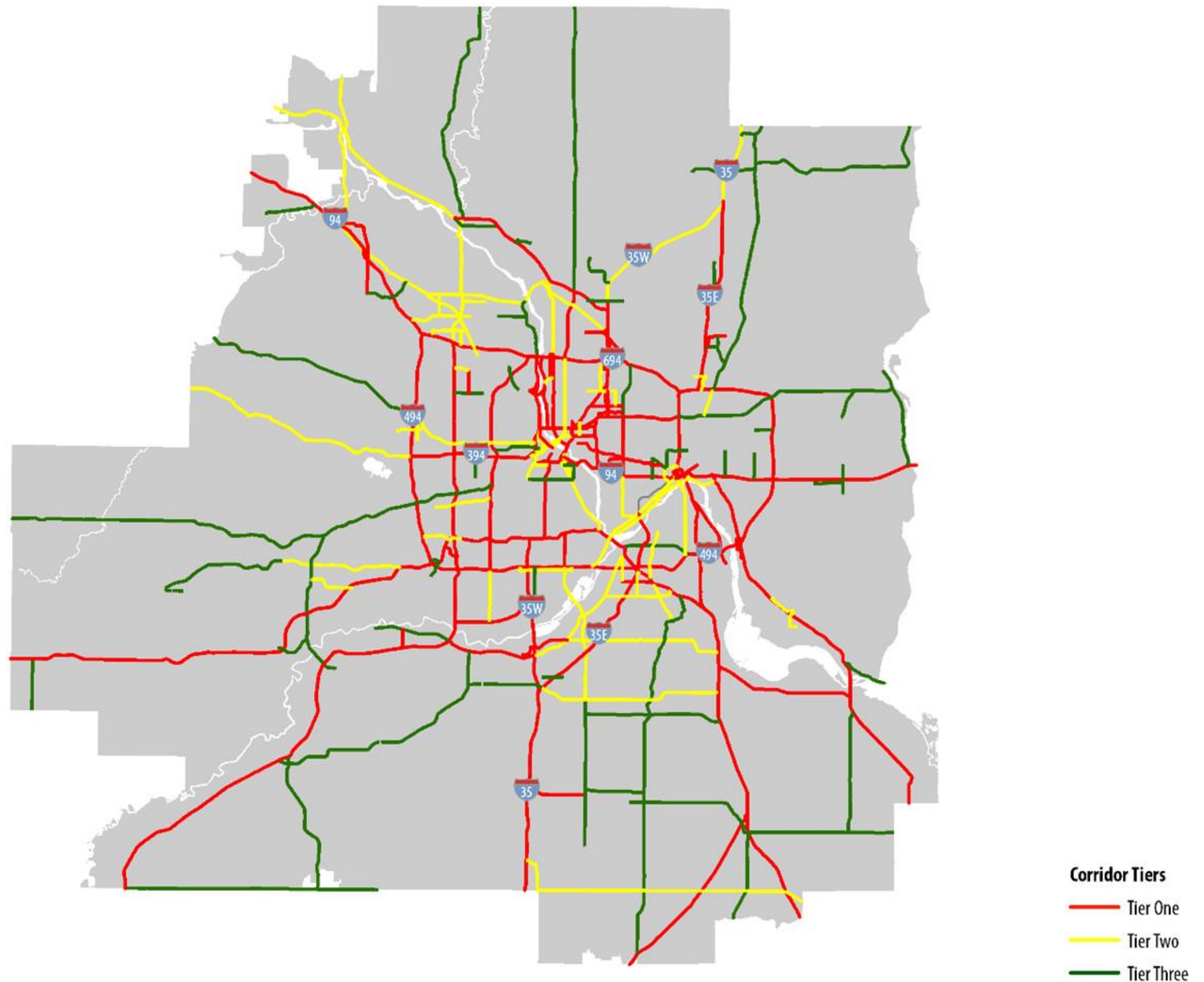


# Land Use Factors

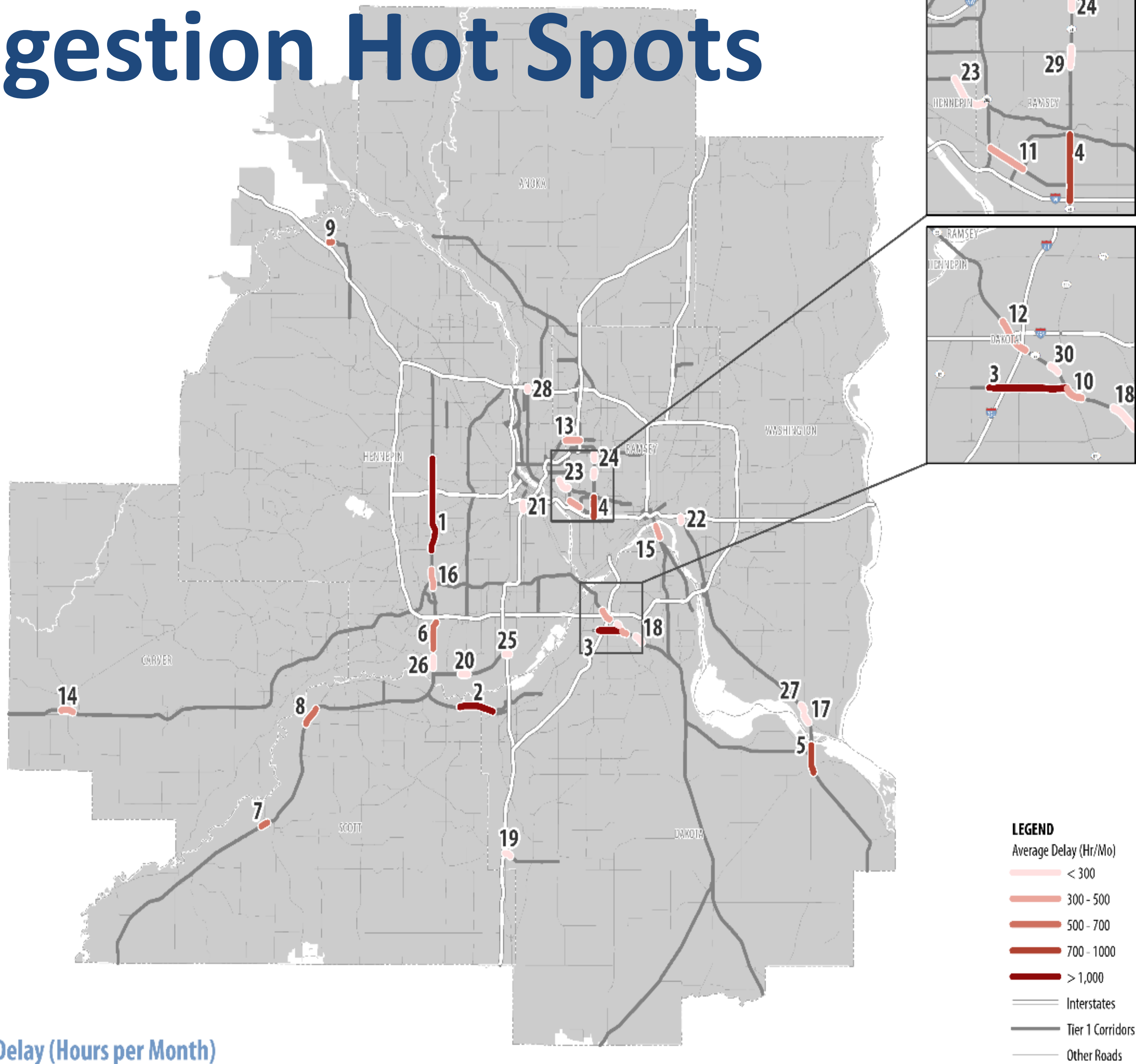




# Regional Truck Corridors



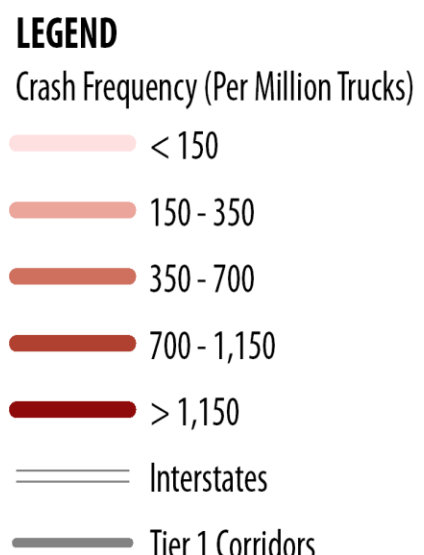
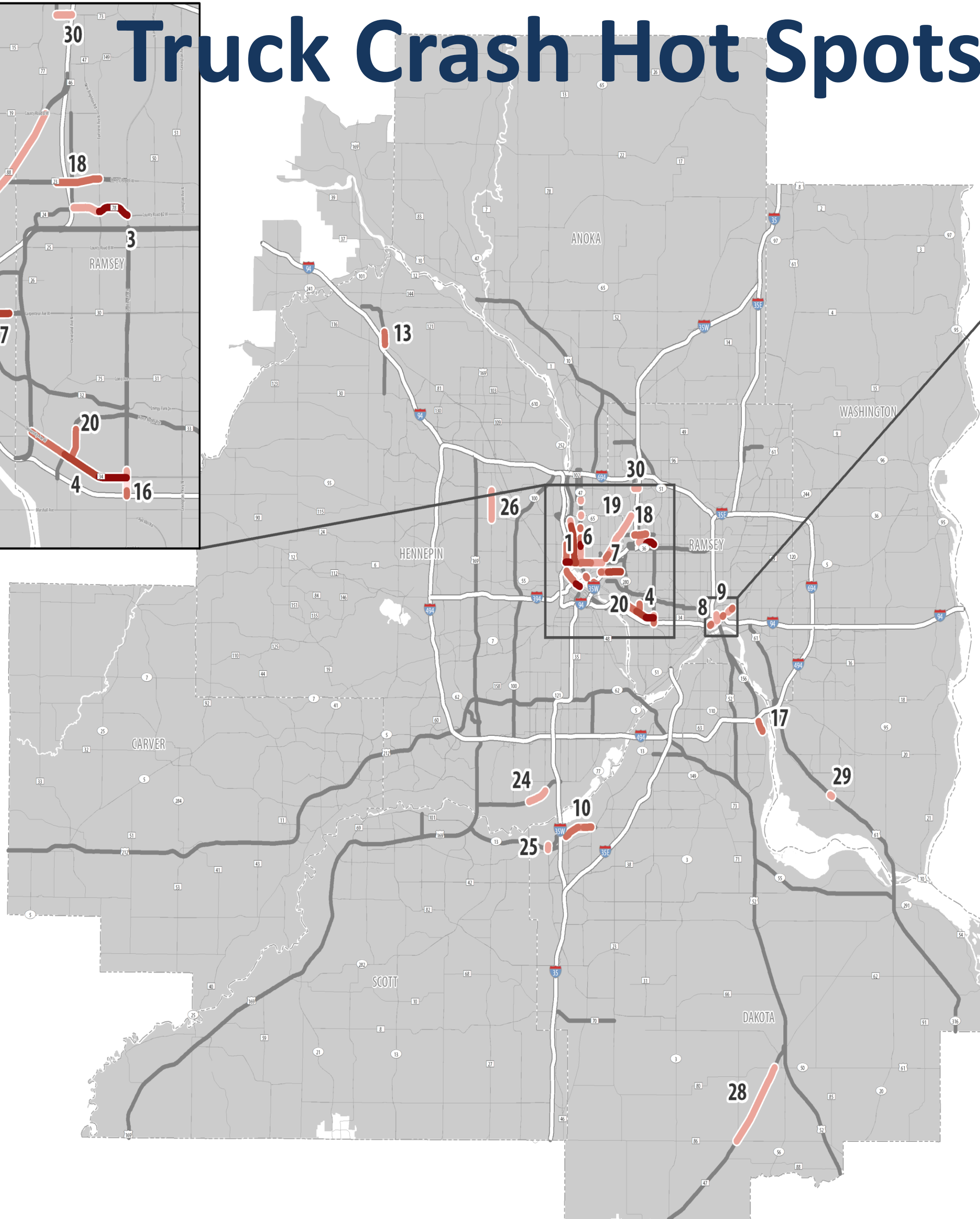
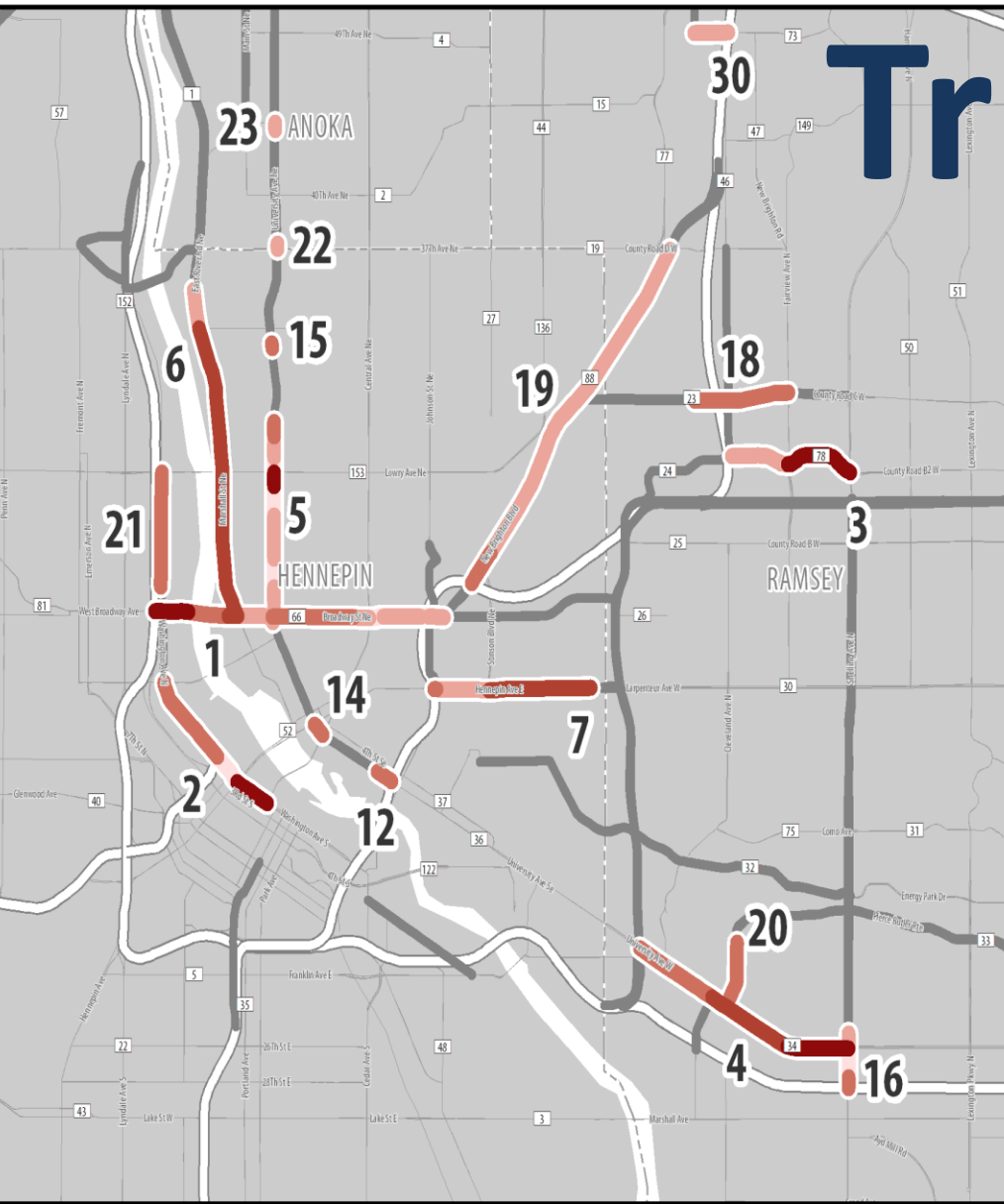
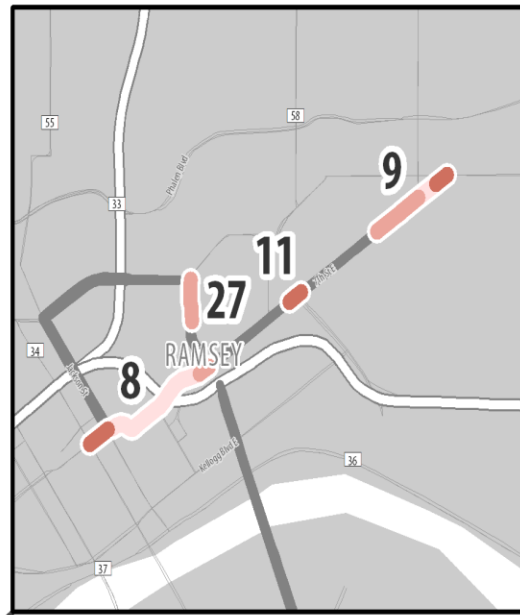
# Congestion Hot Spots



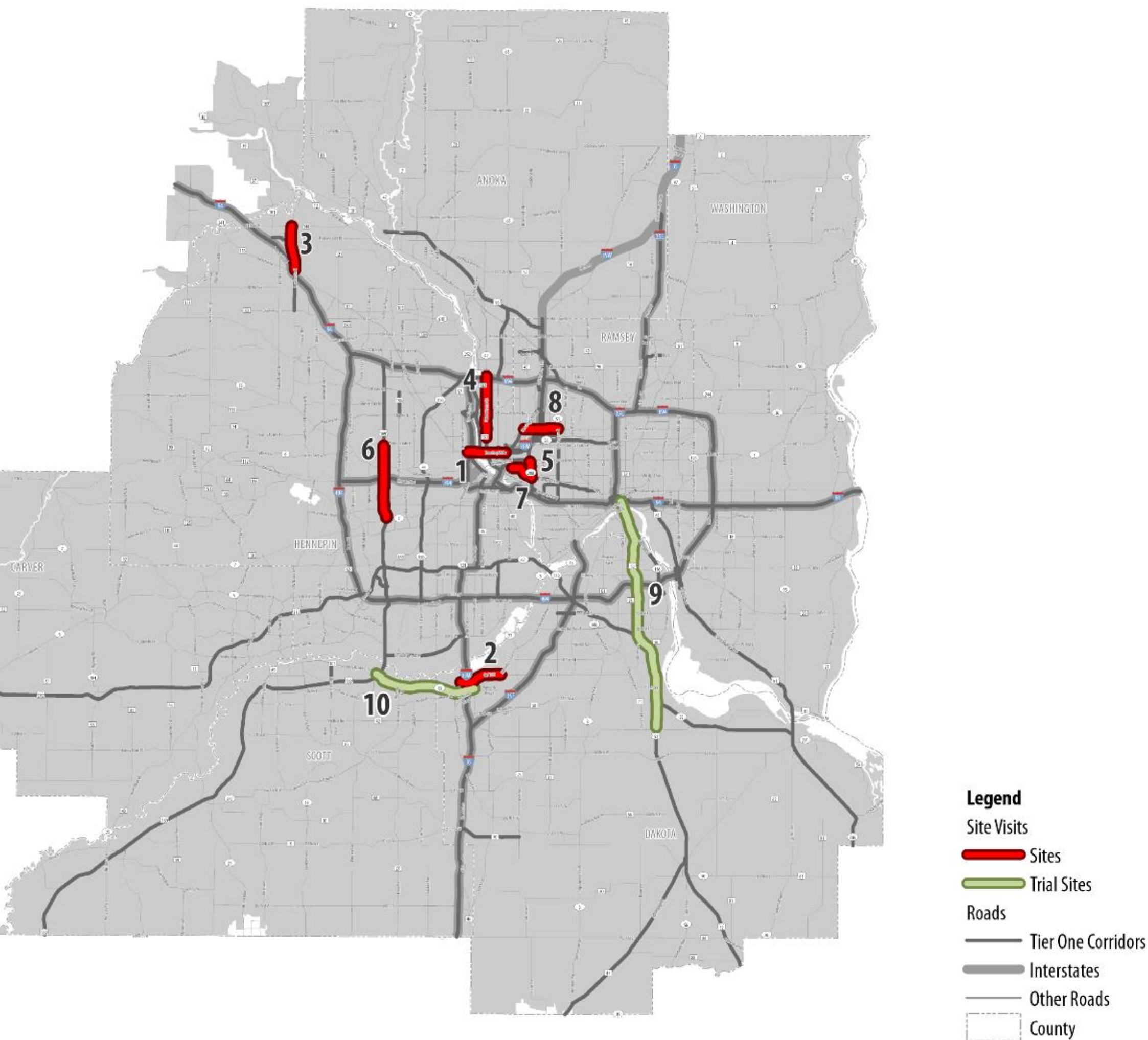
Top Corridors by Average Delay (Hours per Month)



# Truck Crash Hot Spots



# Corridor Site Visits



	Corridor
1	Broadway (Mpls)
2	CSAH 32 (Dak Co)
3	CSAH 101 (Henn.)
4	Univ. Ave (Mpls)
5	TH 280
6	US 169
7	Kasota/Elm (Mpls)
8	CR C (Ramsey Co)
9*	US 52 (St P-Coates)
10*	TH 13 (Savage)



# Corridor Site Visits

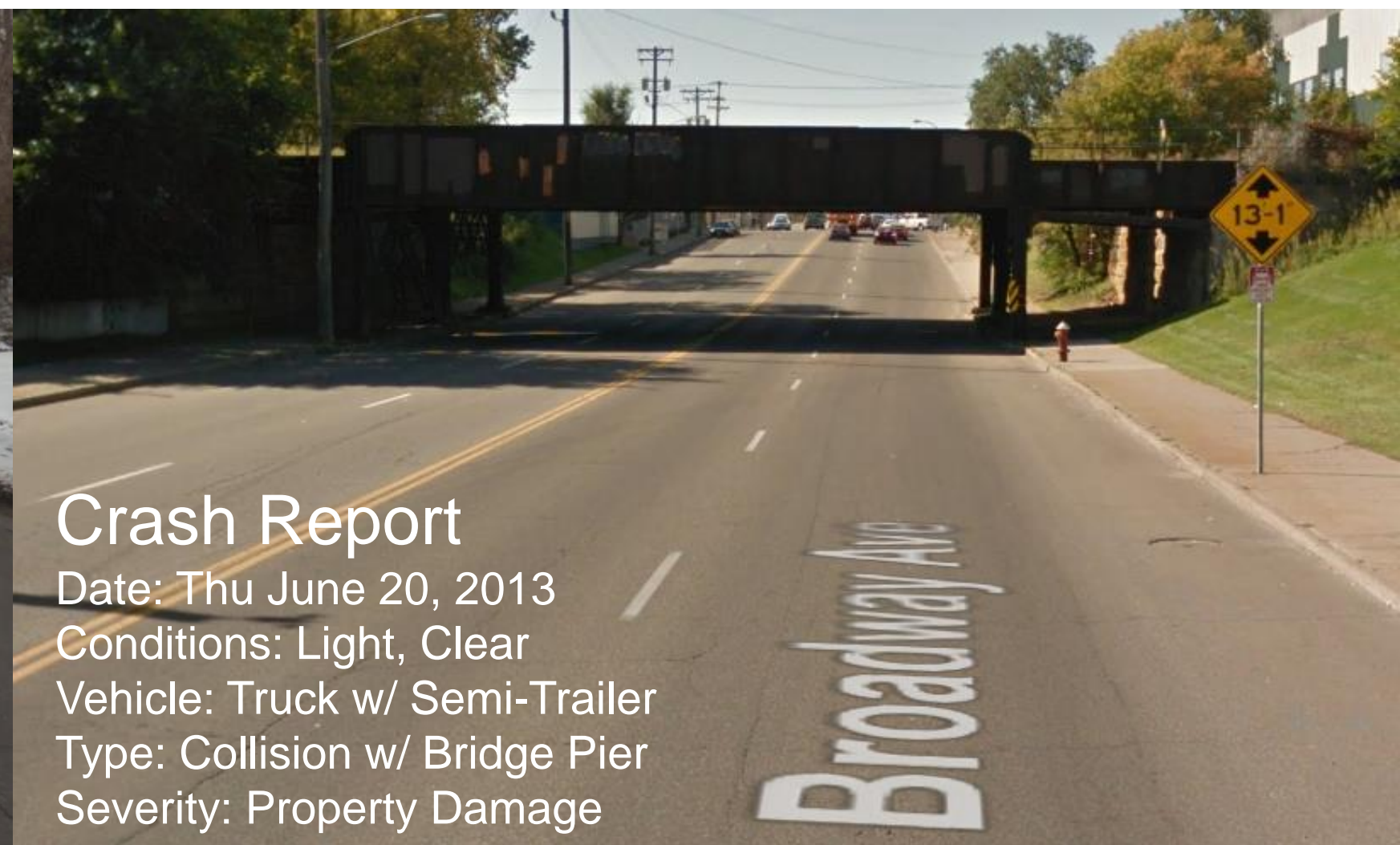
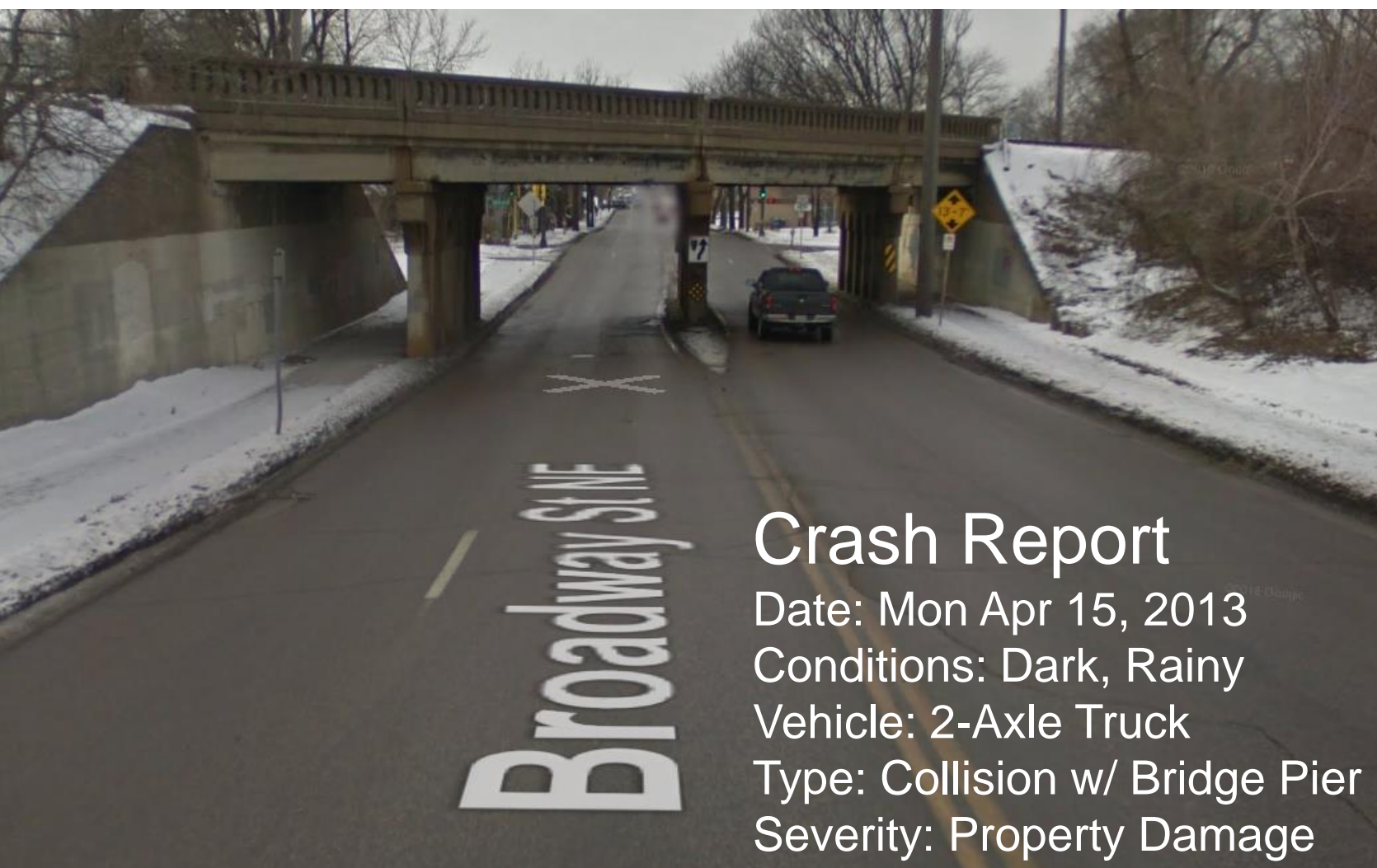
## Broadway St/Ave in Minneapolis

### Location Description

- 2.3 mile segment between I-94 & I-35W
- Four-lane undivided urban arterial
- Mix of industrial commercial and residential uses
- Access connection between interstates & industrial areas
- Number one truck crash site

### Issues Identified

- On-street parking requires frequent merging; lack of parking enforcement
- Narrow lanes – (as low as 9' in some locations)
- Rail bridges with < 14' clearance
- Absence of dedicated left-turn lanes at intersections
- Some signals not synchronized





# Corridor Site Visits

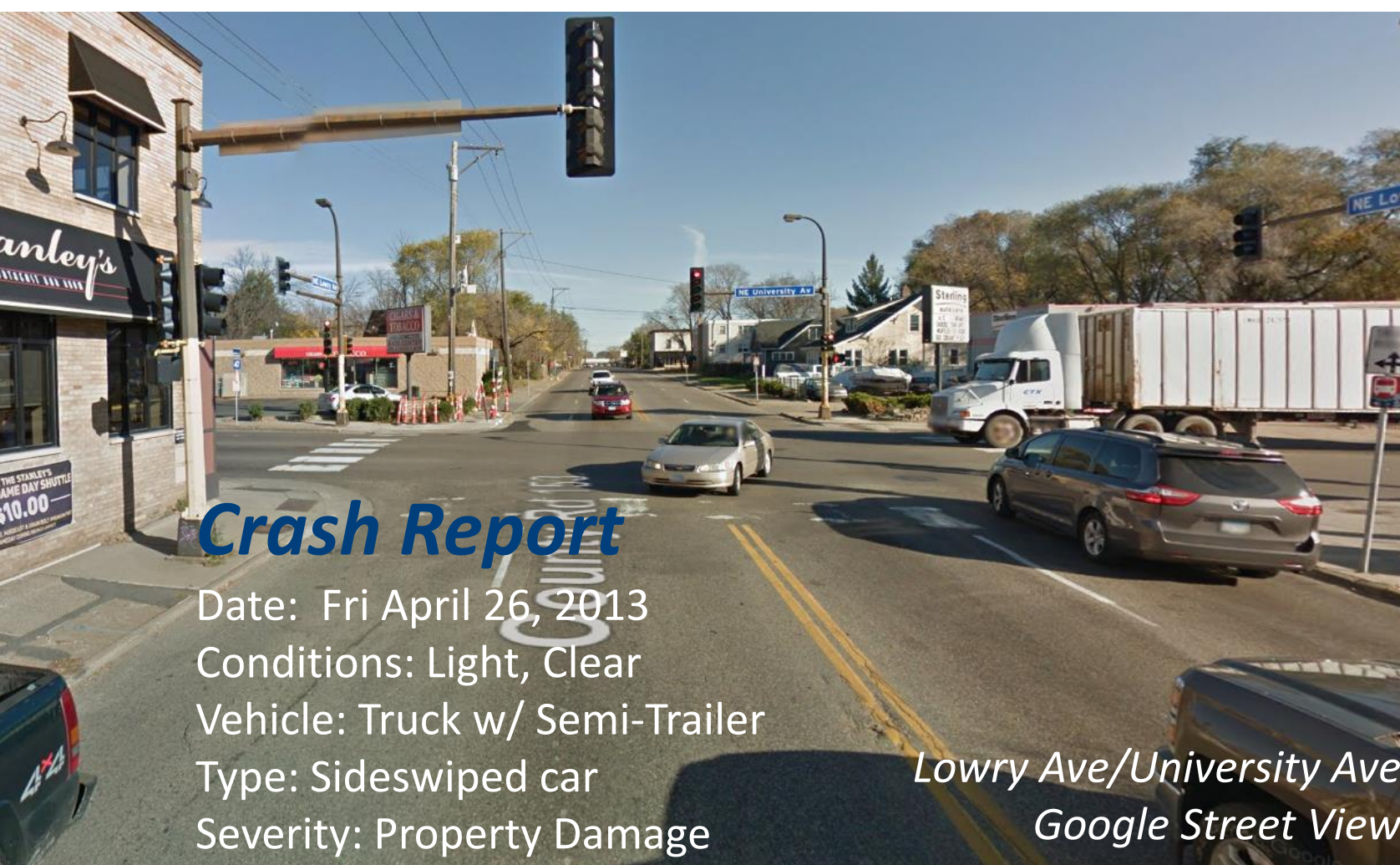
## University Ave in Minneapolis/Fridley

### Location Description

- 3.9 mile segment between I-694 & Lowry Ave
- Four-lane urban arterial with some expressway segments
- Mix of residential and industrial commercial land uses
- Access connection between I-694 and major rail intermodal terminal

### Issues Identified

- University Ave/Lowry Ave had 14 truck-related crashes over five years
- Narrow street width and on-street parking along approaches to intersection
- Access issues to CP Shoreham Yard
  - Main truck access blocked by trains
  - Truck queues extend onto local adjacent streets





# Corridor Site Visits

## Brockton Lane (CSAH 101) in Rogers

### Location Description

- Brockton Lane between south of I-94 and Diamond Lake Road
- Two-lane, rural minor arterial segment of 2 miles
- Rural context with developing commercial/ industrial areas
- Connects to freight industrial & truck distribution center in Rogers

### Issues Identified

- High crash site (9 truck crashes in 5-yr period)
- CR 81/CSAH 101 intersection skewed
- Narrow or absent shoulders with open fields
- Trucks vulnerable to rollover risk in high wind conditions

#### Crash Report

Date: Fri Jan 23, 2015

Conditions: Dark, Clear

Vehicle: Truck w/ Semi-Trailer

Type: Rear-end, following too closely

Severity: Possible Injury

CR 81 at CSAH 101  
Google Street View

#### Crash Report

Date: Fri Feb 21, 2014

Conditions: Icy, Blowing Sand

Vehicle: Truck w/ Semi-Trailer

Type: Ran off road

Severity: Property Damage

Brockton Lane near 124<sup>th</sup> Ave  
Google Street View



# TPP Freight Guidance

## Potential Follow-up Studies

- Update key regional truck corridors periodically
- Develop process for coordinating truck counts on key truck corridors
- Specific studies on freight-dependent industries
- Investigate application of new & emerging technologies



# TPP Freight Guidance

## Regional Planning

- Proposed key corridors map
- Coordinated data collection at state and local levels
- Performance-based planning

## Regional Investment

- Highway project selection criteria for Regional Solicitation
- Guidance to local investments
- Guidance to MnDOT funding programs

# Questions?

Thank you

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