

# **Update on Traffic Implications of Viking Lakes Development Including Vikings Practice Facility**

***Physical Development Committee of the Whole  
February 13, 2018***

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# Viking Lakes Development Traffic Agenda



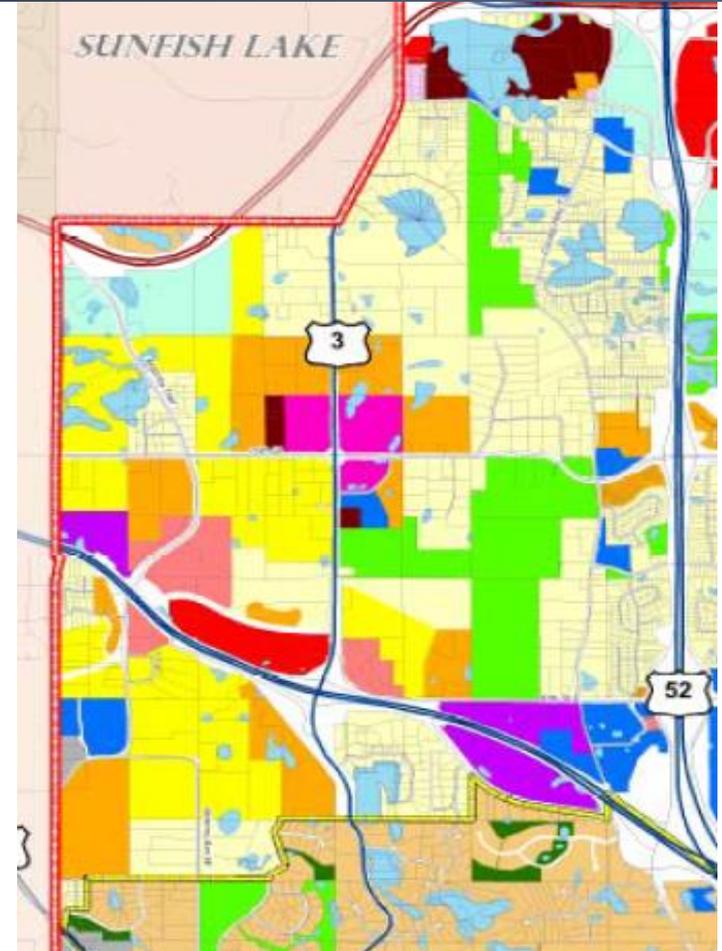
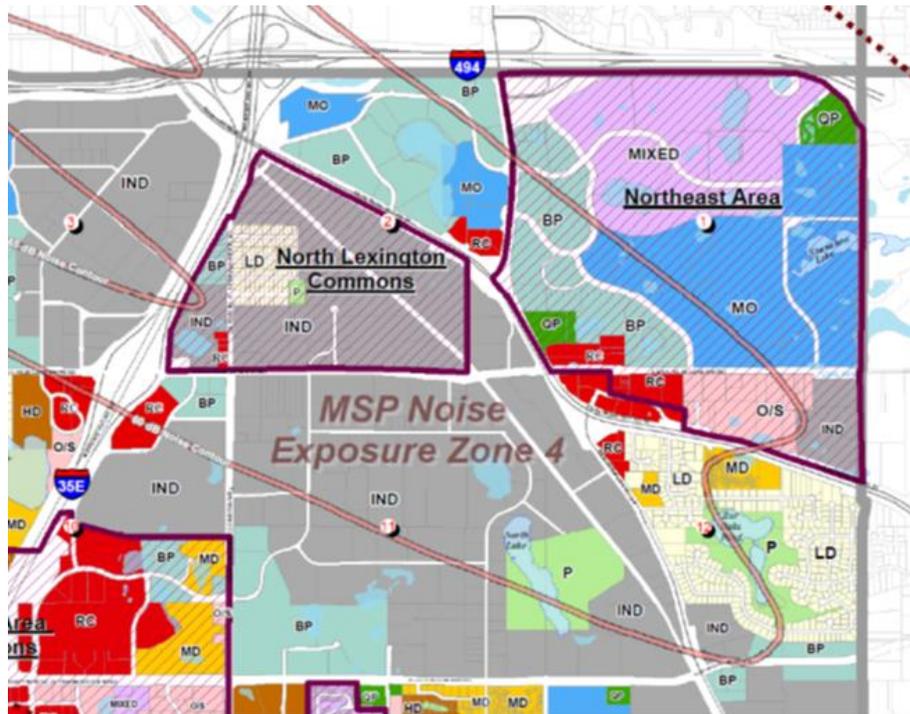
Efficient, Effective, Responsive

- Regional Roadway System Visioning Study (RRSVS)
  - Background, Findings/Recommendations, Implementation
- Viking Lakes Alternative Urban Areawide Review (AUAR)
- Viking Lakes Event Travel Demand Management Plan (ETDMP)
- Mendota Heights Traffic Study
- Next Steps

# Regional Roadway System Visioning Study Background



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- 2030 Comprehensive Plans
- 4300 Acres of planned development
  - Viking Lakes mixed use development 200 Acres

# Regional Roadway System Visioning Study

## Background



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- Multi-Agency Study
  - Minnesota Department of Transportation (MnDOT)
  - Metropolitan Council
  - Federal Highway Administration (FHWA)
  - Eagan, Inver Grove Heights, Mendota Heights and Sunfish Lake
  - Public Engagement
- Lead by Dakota County
- 140,000 additional daily trips
  - Viking Lakes up to 40,000 trips



# Regional Roadway System Visioning Study

## Findings



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- Largest remaining tract of undeveloped land on the beltway
- Attractive due to proximity to Airport, St Paul/Mpls downtowns, Bloomington strip, MOA
- 60% of the trips involve destinations outside of Eagan, Inver Grove Heights, Mendota Heights, and Sunfish Lake
- Planned growth in Rosemount, Farmington has impacts
- 2030 Comprehensive Plans did not include full buildout of the area (up to additional 74,000 trips) – But RRSVS did
- Without a new interchange on I-494 (Argenta), major capacity issues on TH 55/149, TH 3, and I-494(I-35E to TH 149)

# Regional Roadway System Visioning Study

## Recommendations



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- Many improvements across the system to support future growth
- New interchange helps to
  - Balance impacts
  - Address weaving issue on I-494
  - Reduce improvements needed on TH 55/TH 149
- Supporting roadway improvements prior to new interchange



# Regional Roadway System Visioning Study Website



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- Website: [www.co.dakota.mn.us](http://www.co.dakota.mn.us) (Search “Visioning” or “Vikings”)
- Includes
  - Summary
  - Report
  - Recommendations
  - FAQ’s
  - Resolutions
  - Projects resulting from the Study

The screenshot shows the Dakota County website interface. At the top, there is a navigation bar with a search box and a list of menu items: Government, Home & Property, Permits & Licenses, Law & Justice, Health & Family, Environment, and Transportation. Below this, there are buttons for Libraries and Parks. The main content area is titled 'Road Studies' and features a sidebar with 'Current Studies' and 'Past Studies' sections. The 'Current Studies' section highlights the 'Regional Roadway System Visioning Study'. The main text describes the study's purpose, its partnership with MnDOT and other local entities, and the area of study in northern Dakota County. It also mentions the study's findings regarding future transportation system changes.

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## Road Studies

### Current Studies

### Past Studies

- County Road 9 Between County Road 60 and Hayes, Lakeville
- CSAH 28 Corridor Study (Denmark Avenue to State Highway 149)
- CSAH 28 & CSAH 63 Argenta Trail Realignment Study
- CSAH 28 Extension Study (TH 149 to TH 3)
- CSAH 28-TH 3 Area Study

## Regional Roadway System Visioning Study

In 2009-2010, Dakota County partnered with the Minnesota Department of Transportation (MnDOT), the Metropolitan Council, the Federal Highway Administration, and the cities of Eagan, Inver Grove Heights, Mendota Heights and Sunfish Lake to conduct this area transportation system study in northern Dakota County.

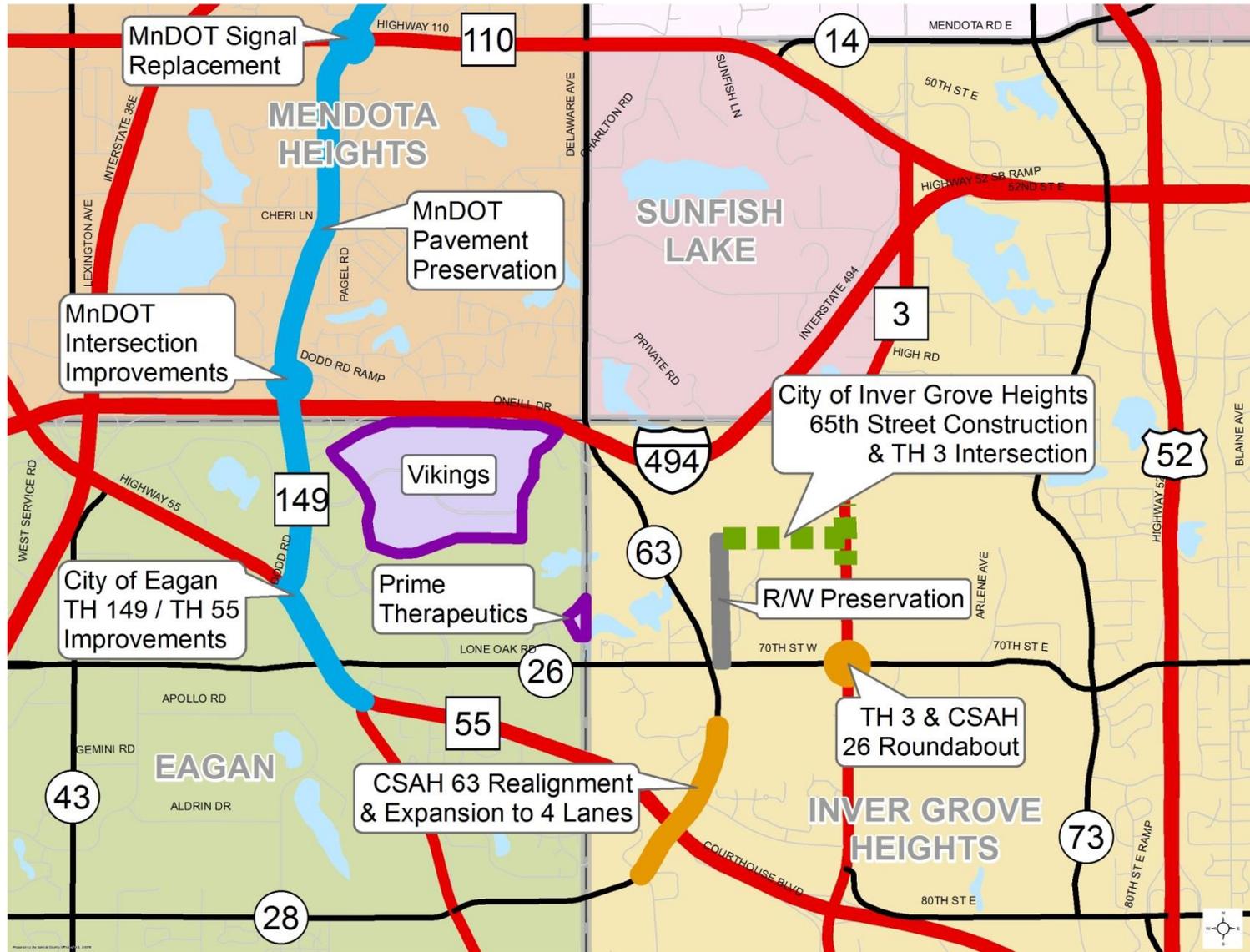
One of the largest remaining undeveloped tracts on the I-494/I-694 beltway exists today in northeast Eagan and northwest Inver Grove Heights, comprising approximately 4,300 acres of planned development based on the Comprehensive Plans of the two cities. Development of this 4,300-acre area will generate an estimated 140,000 additional daily trips, including the approximately 200-acre mixed use development associated with the Minnesota Vikings site. In addition, anticipated growth in Dakota County beyond the immediate study area in cities such as Rosemount and Farmington, will also contribute to demands on existing area roadways.

The recommendations of the Regional Roadway System Visioning Study identify how the transportation system will need to be changed in the future to handle the growth currently planned in Eagan, Inver Grove Heights, and

# RRSVS Implementation Projects Completed or Planned for 2018



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# RRSVS Implementation

## Future Projects



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- Vikings Parkway/65th Street Connection Planning
- CSAH 26 2 to 4 lane Preliminary Engineering
  - CSAH 26/CSAH 63 Intersection
  - Realignment of CSAH 63 to Arterial alignment
  - Construction 2020?
- Argenta R/W acquisition south of I-494
- I-494/CSAH 63 Interchange Planning
  - Interchange Review Approval, Regional consistency (2014)
  - Sales & Use Tax Eligible (\$75 million)
  - Not currently a regional priority
  - Preliminary engineering 2-4 years?

# Viking Lakes Development Traffic Eagan AUAR



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- Alternative Urban Areawide Review – April 2016
  - 200 acre development site
  - Retail, Office, Hotel, Residential, athletic complex, 10,000 seat stadium
  - Development phased over 15 years
  - Traffic Impact Study
  - AUAR is a living document to be updated every 5 years
- Mitigation Strategies
  - TH 55/Argenta addressed by County project
  - Signal Timing Adjustments Needed for Events
  - Event Travel Demand Management Plan (ETDMP) Needed
  - Traffic monitoring program



# Viking Lakes Development Traffic

## Draft Event Travel Demand Management Plan



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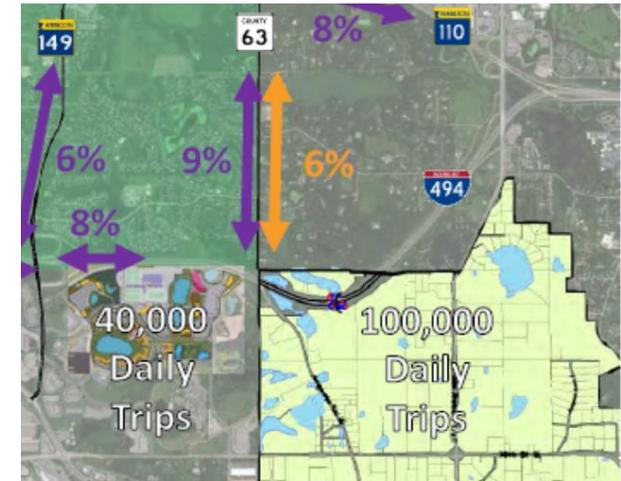
- Event Attendance from 500 – 21,000
  - 21,000 is Training Camp Saturday
  - Largest weekday attendance is 6,600 (4,000 vehicles)
  - Variety of approaches dependent on event size and timing
    - MnDOT Traffic signal optimization
    - Offsite parking
    - Law enforcement to manage key intersections
    - Traveler communication and signage
- Majority of Traffic uses I-494 to/from TH 149
- Interim approach for CSAH 26/Argenta
- Similar management approach used for outlet mall

# Viking Lakes Development Traffic Mendota Heights Traffic Study



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- Traffic Study Considered
  - Viking Lakes Development
  - IGH NW Area Development
  - Mendota Plaza / Village Developments
- Similar traffic projections but
  - 10 years added (to 2040)
  - Assumed no Interchange
  - Delaware Avenue
- Issues Identified
  - TH 149 @ TH 110
  - TH 149 @ Wentworth, Marie
  - Argenta Interchange reduces traffic demand on Delaware



# Viking Lakes Development Traffic

## Next Steps



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- County/City staff meetings
  - First meeting 2/8/2018
- Complete ETDMP
- Eagan beginning Traffic Monitoring Program Involving County, MnDOT
  - Regular traffic volume reviews
  - Identify need for improvements & make adjustments to ETDMP
- Board Goal - Quarterly updates
- Annual review of improvement needs with CIP
- City comprehensive plan updates
- Dakota County Transportation Plan update
  - Revisit RRSVS findings

## Questions / Discussion