

An aerial photograph of Moorhead, Minnesota, showing a mix of residential houses, commercial buildings, and green spaces. A central road runs vertically through the middle of the frame. The image is partially obscured by a blue banner at the bottom.

Public Input Meeting #1 12th Avenue South Corridor Study Moorhead, MN

September 20, 2018

Introductions – Presenters



Matt Kinsella
Project Manager



Brent Muscha
Design Engineer



Kate Miner
Traffic Analysis

Introductions – Other Team Members



Kristie Leshovsky
Tom Trowbridge
Jonathan Atkins
Steve Moore



Roger Olson



Adam Altenburg



Lori Van Beek

Getting Started

- Please Sign In
- Study Handout
- Comment Form
- Online Survey Station
- Title VI Public Participation Survey (Optional)
- **Tonight's Goal – To Hear from You**

Tonight's Agenda

- Study Overview
- Existing Traffic Conditions
- Future Traffic Conditions (No Build)
- Other Study Elements
- Study Schedule and Next Steps



Study Overview



Why is the Study Needed?

- Vital East-West Corridor in the Area Network
- Evaluate Current and Future Needs
- Upcoming 2020 Construction Project
- Inform Short-Term and Long-Range Planning

What Do You See as Issues and Needs?



Existing Traffic Conditions

- Data Collection
 - Average Annual Daily Traffic (AADT)
 - Turning Movement Counts
 - Historical Crash Data
 - Existing Geometrics and Traffic Control
- High-Level Capacity Analysis
- Operational Analysis
- Safety Analysis



Existing Traffic Conditions

- High Level Capacity Analysis
 - 2-lane roadway capacity 10,000 vehicles/day
 - 3-lane roadway capacity 18,000 vehicles/day
- 12th Avenue currently carries between 3,100 and 7,000 vehicles/day



Existing Traffic Conditions

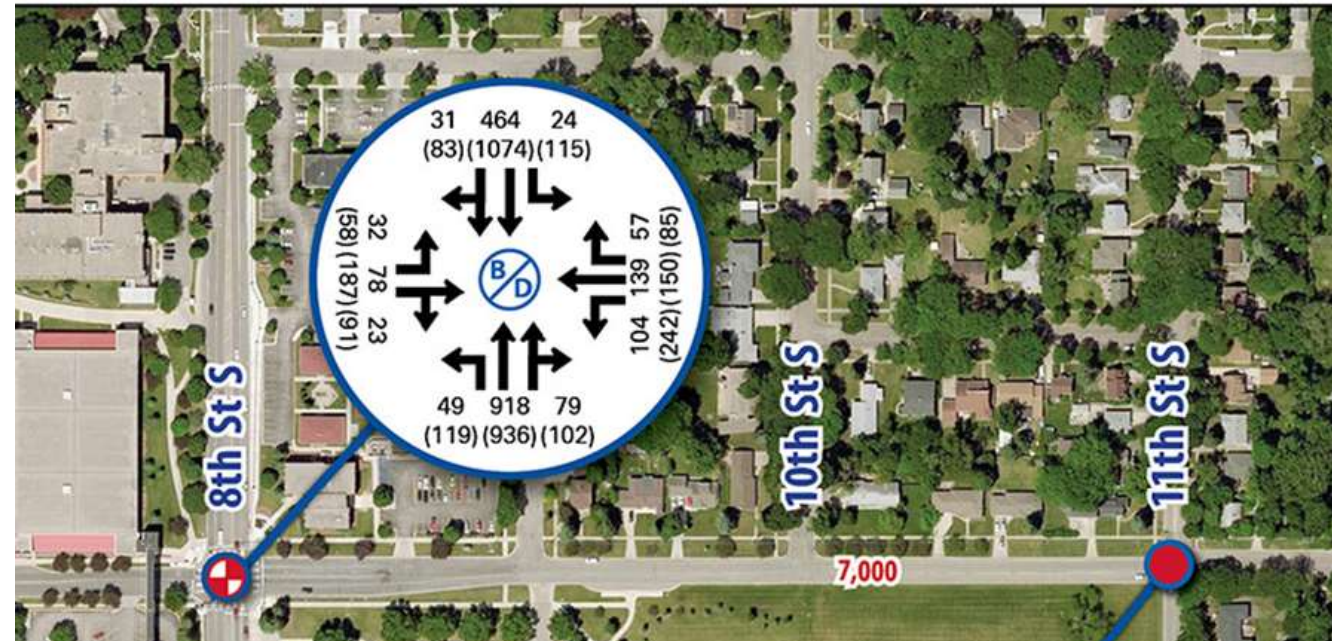
- Operational Analysis
 - Synchro/SimTraffic
 - Intersection Control Delay

Level of Service (LOS)	Average Delay (seconds/vehicle)	
	Signalized Intersection	Unsignalized Intersection
A	≤ 10	≤ 10
B	> 10 and ≤ 20	> 10 and ≤ 15
C	> 20 and ≤ 35	> 15 and ≤ 25
D	> 35 and ≤ 55	> 25 and ≤ 35
E	> 55 and ≤ 80	> 35 and ≤ 50
F	> 80	> 50

- Queuing Analysis

Existing Traffic Conditions

- Operational Analysis Results
 - Level Of Service
 - All intersections operating at LOS D or higher
 - EB Left turn movement at 8th St.
 - Queuing
 - 8th Street – Eastbound issues
 - 8th Street – Left Turn issues building



Existing Traffic Conditions

- Crash Analysis
 - Reviewed crash data from 2011-2015
 - Data indicated no crash issues within that timeframe



Future 2040 NO BUILD Traffic Conditions

- Traffic Projections
- High-Level Capacity Analysis
- Operational Analysis



Future 2040 NO BUILD Traffic Conditions

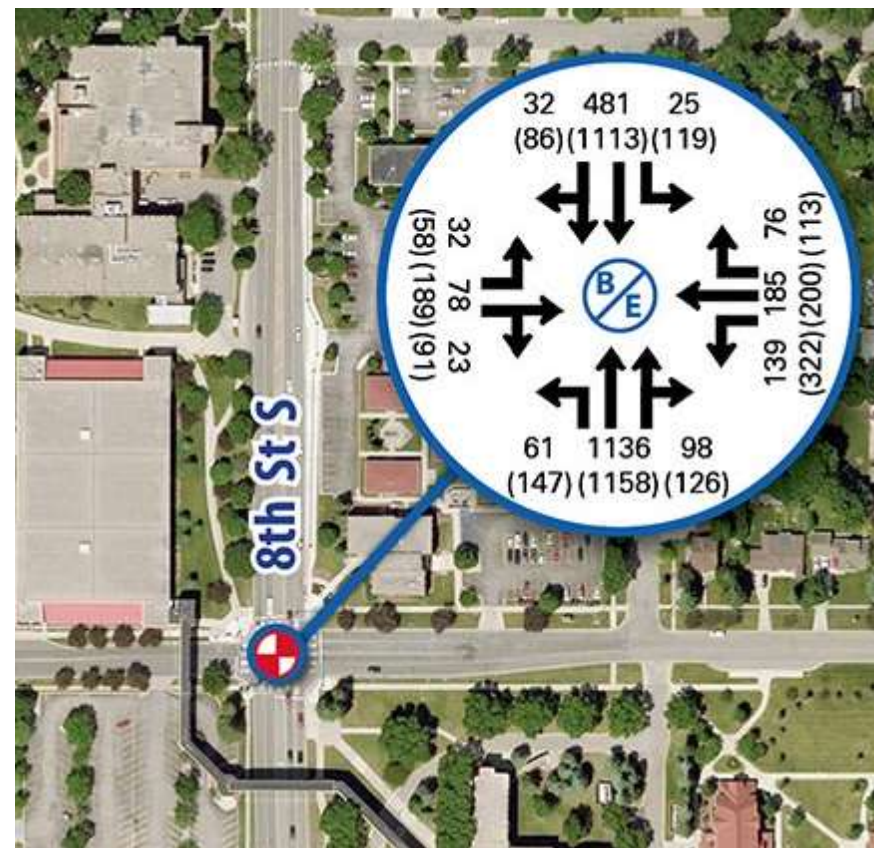
- Traffic Projections
 - Fargo-Moorhead 2040 Long Range Transportation Plan
- High-Level Capacity Analysis
 - 9,700 vehicles/day highest future



Future 2040 NO BUILD Traffic Conditions

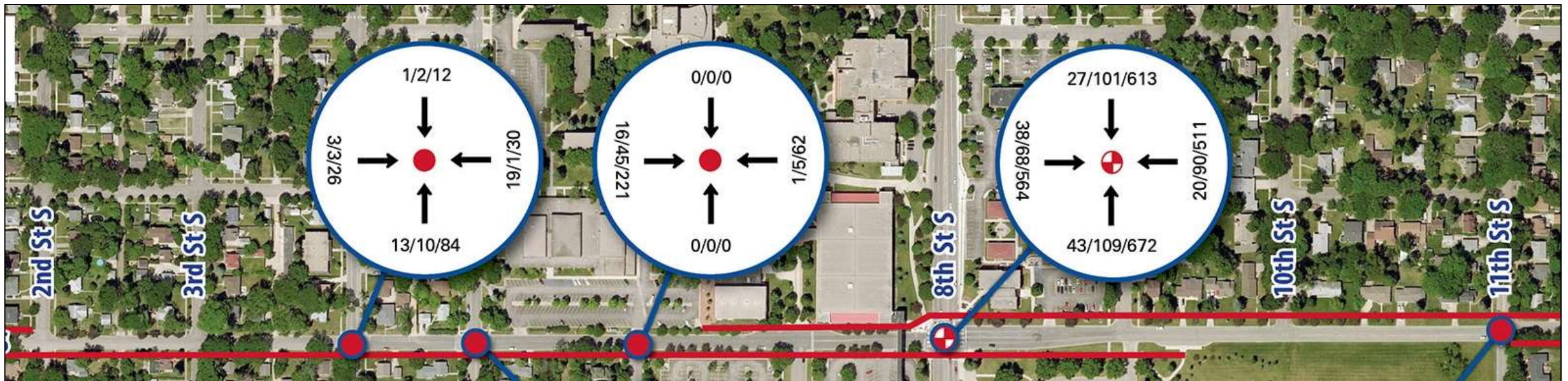
■ 2040 Operational Analysis Results

- Level Of Service
 - 8th Street LOS E
 - Failing movements – NB and EB
 - Main Avenue – LOS E for certain movements
- Queuing
 - 8th Street – issues get worse
 - Main Avenue – starting to see issues



Pedestrian and Bicycle Facilities

- Lack of connectivity – gaps
- 2,400+ crossing movements per day at 8th Street



MATBUS Transit

- 900+ riders use one of the 9 bus stops along 3 routes
- Nearly 100 bike loadings in 2017



Railroad Crossing

- Pedestrian and Bicycle Crossing















Access

- Moorhead City Code – Access Spacing for Minor Arterials
 - Recommended: 8 access points per mile
 - Maximum: 16 access points per mile within urban core
- 12th Avenue South Corridor – 2.0 Miles Long
 - 30 Intersections
 - 76 Driveways (Private or Business)
 - Average 53 access points per mile

Parking

- At Least 9 Different Types of Parking Restrictions

NO PARKING 8 AM-4PM WED	
NO PARKING OVER 3" OF SNOW	
NO PARKING 8 AM-4PM THURS	
3 HR PARKING 7AM-5PM MON-FRI, AUG 15TH-MAY15TH	
NO PARKING	
NO PARKING 1AM-7AM TUES	
NO PARKING 9AM-4PM MON-FRI	
NO PARKING (LOADING ZONE)	
NO PARKING 8AM-5PM MON-FRI	
PRIVATE ACCESS	
BUSINESS, COLLEGE, APARTMENT ACCESS/ENTRANCE	
BIKE LANES (ON STREET)	



Available Right of Way

- Limited Right of Way on this Corridor
 - Typically 33-40 feet available each side of centerline
 - Additional Space Available between 8th and 11th Street



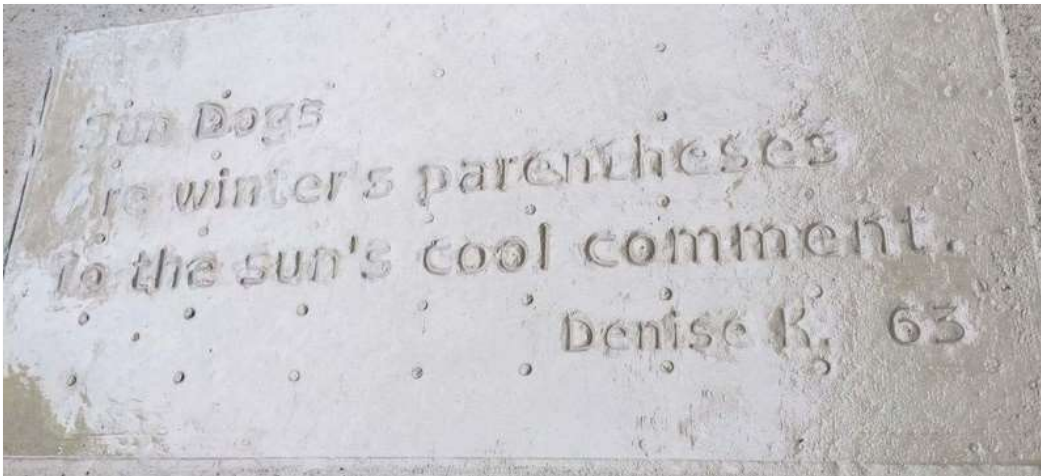
Trees and Landscaping

- 188 boulevard trees + the “Crazy Tree”



Streetscape Ideas

- Possible Aesthetic Enhancements:
 - Street artwork/stamping
 - Sidewalk art
 - Utility box art
 - MATBUS shelters/bench art



Study Schedule and Next Steps

- September 2018 – January 2019: Alternative Development
- February 2019: Draft Study Report
- February 2019: Public Meeting #2
- March – April 2019: Board and Council Approvals
- May 2019: Final Study Report
- Spring - Summer 2020: Construction

Multiple Ways to Provide Input

- Talk to team members tonight
- Complete online survey at the computer station
- Complete comment forms – leave here or mail in
- Email your comments – contact info is provided on forms and handout
- Attend next public meeting in February

Thank You for Attending!

- Questions and Comments

