



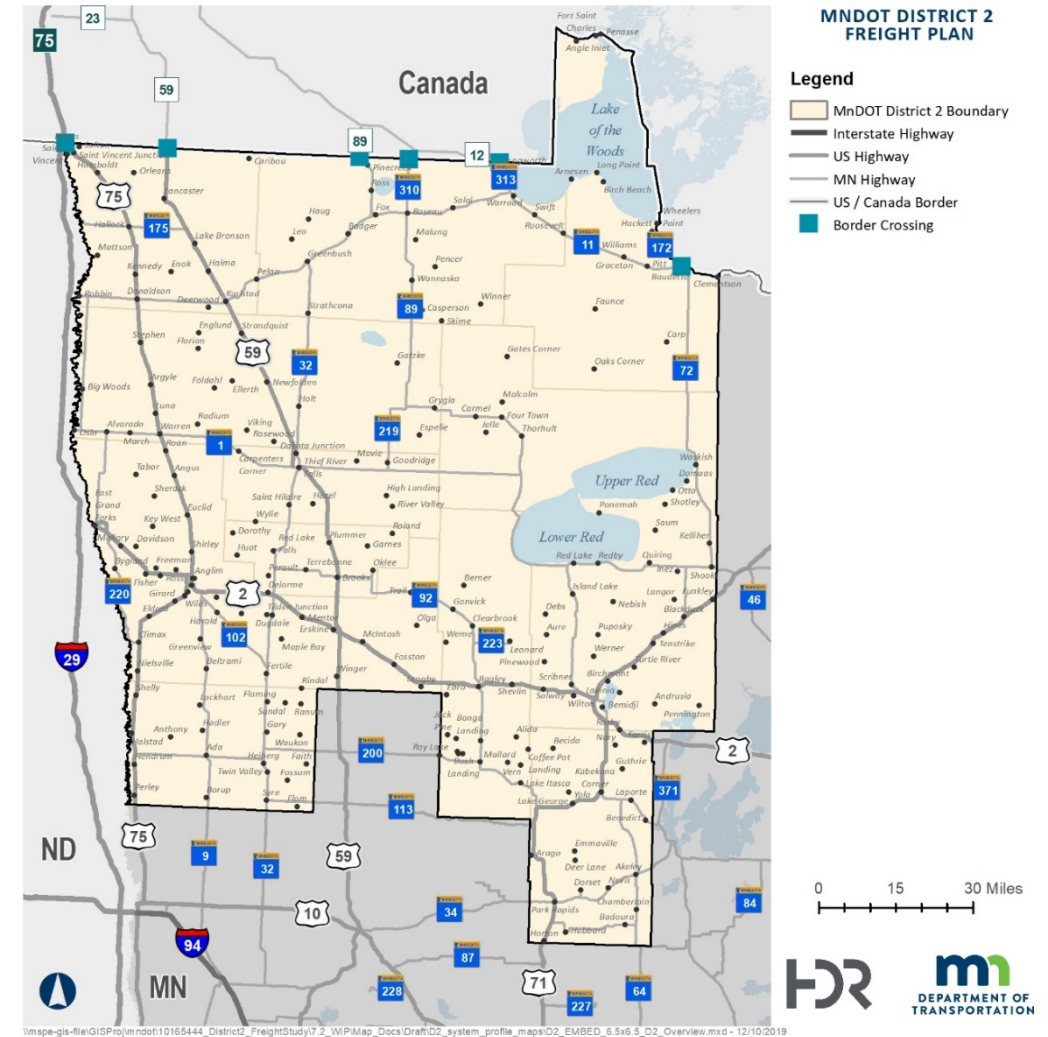
District 2 Freight Plan Update

Area Transportation Partnership (ATP) Meeting
February 6, 2020

Andrew Andrusko, AICP - MnDOT Office of Freight
Chris Ryan, PE – HDR Consulting

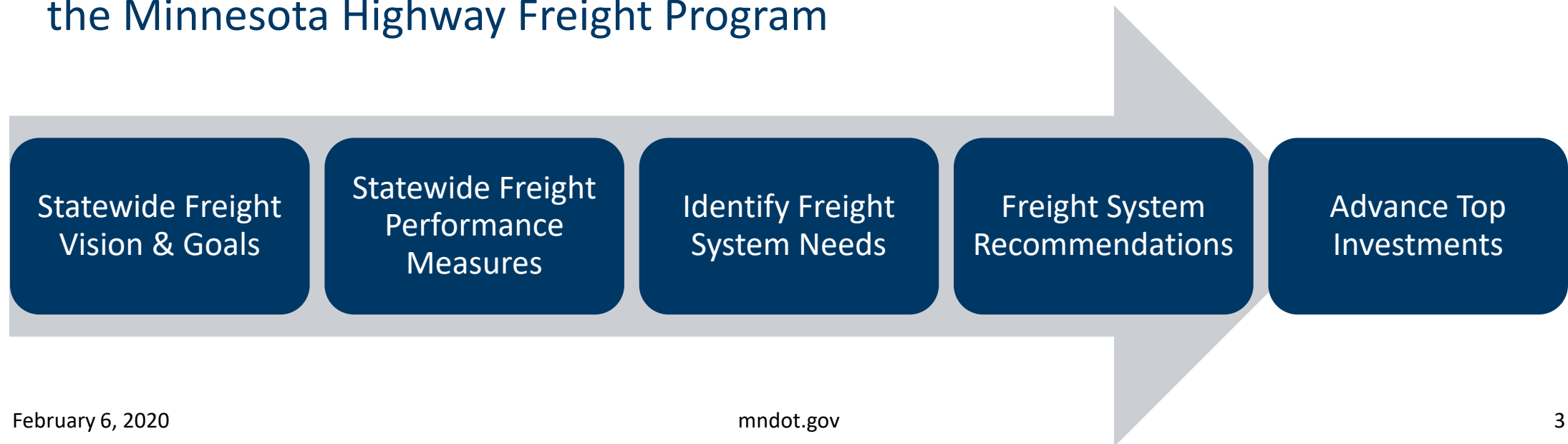
Agenda

- MnDOT District Freight Planning Overview
- District 2 Freight Plan Project Status
- Key Findings
- Next Steps



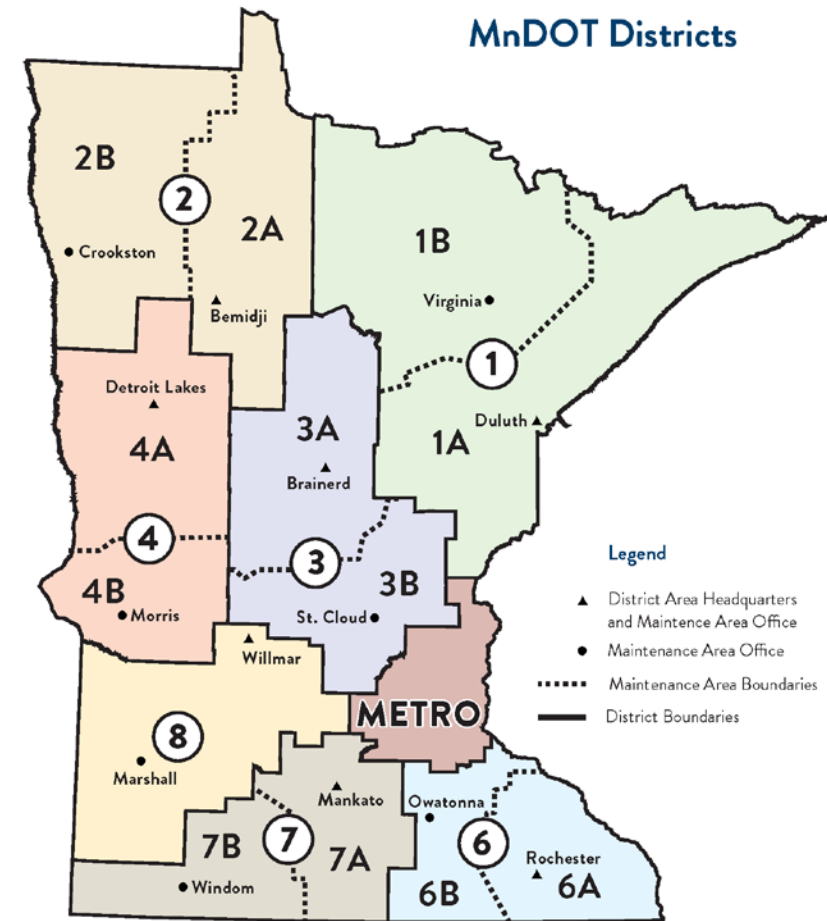
MnDOT Freight Planning

- MnDOT has been working to implement the recently adopted statewide freight plan called the Minnesota State Freight System and Investment Plan
- One of the key recommendations was to work with each area of the state to create more detailed plans that would identify improvements to connect with the Minnesota Highway Freight Program



MnDOT District Freight Plans

- Developing District Freight Plans for all Districts
 - District 1 complete
 - Districts 2, 3, 8 underway
- Pre-cursor effort to prepare for next Statewide Freight Plan
- Identify key issues/opportunities for each District
- <http://www.dot.state.mn.us/ofrw/freight/districtfreightplan/>



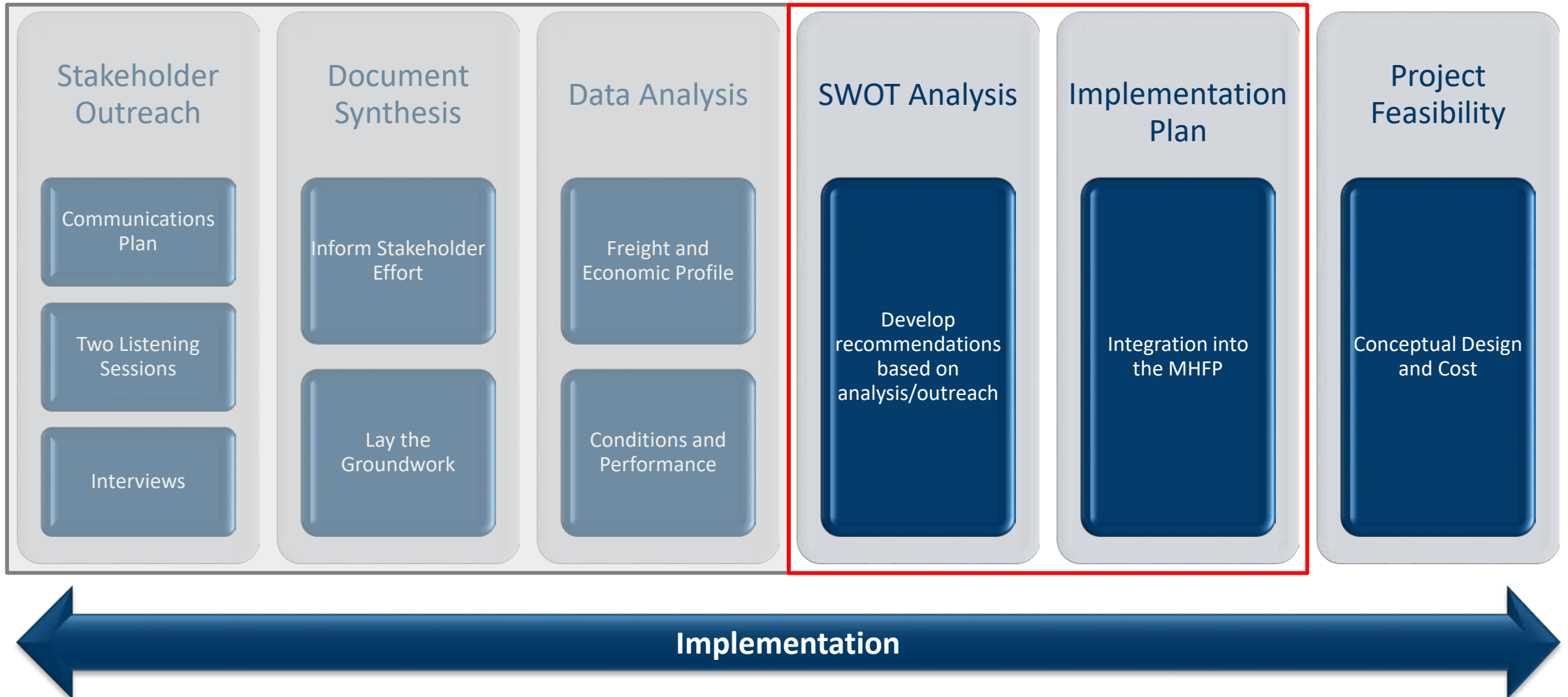
MnDOT office contact information can be found online at: www.mndot.gov/information/locations.html

Purpose of this effort

The District 2 Freight Plan will:

- I. Provide an up-to-date assessment of freight needs and issues specific to the District
- II. Produce a list of strategies to improve freight mobility in the Northern and Northwest Minnesota region
- III. Roll up long-term planning and programming in the next Statewide Freight System Plan

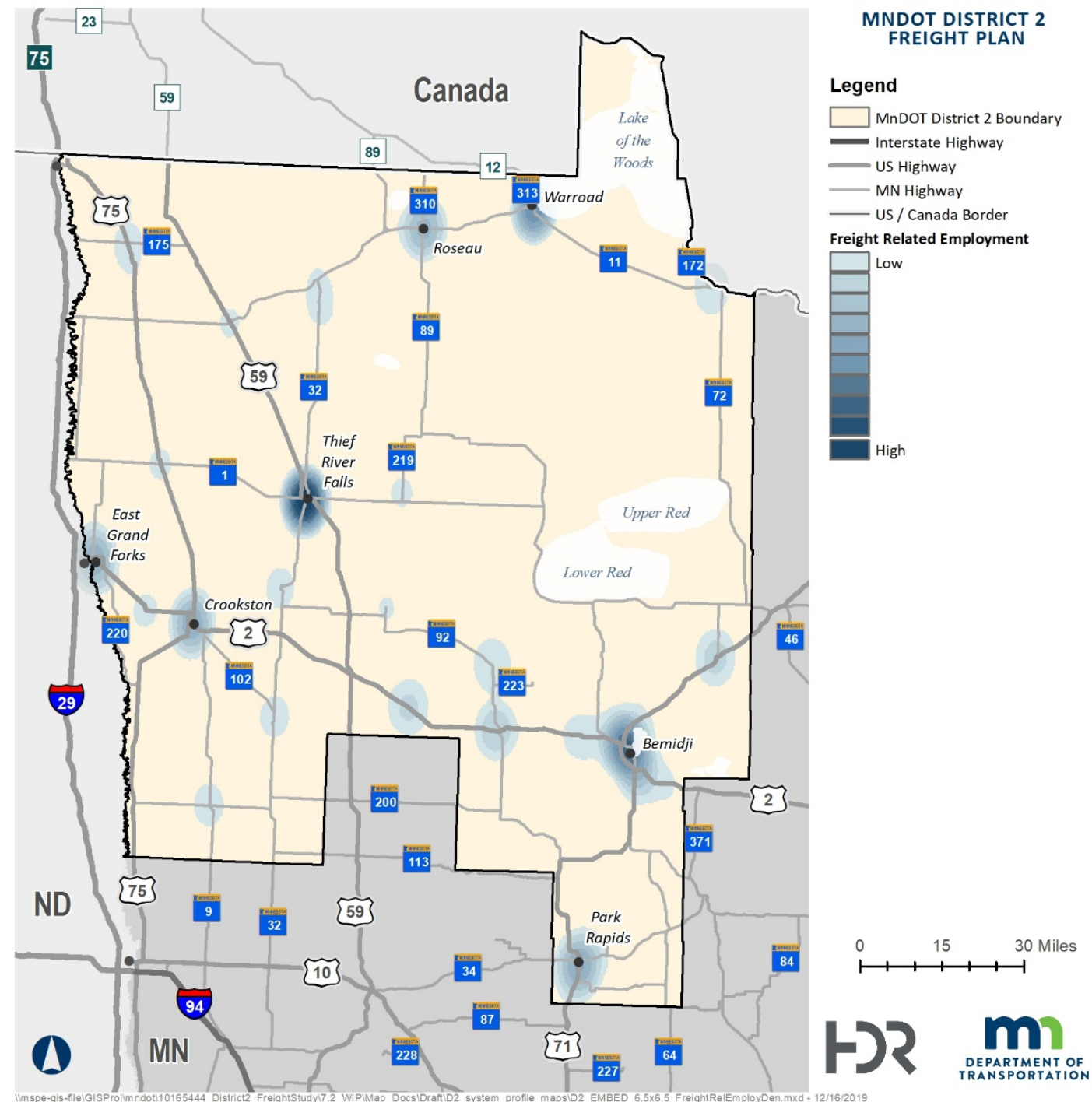
Project Status



Document Synthesis

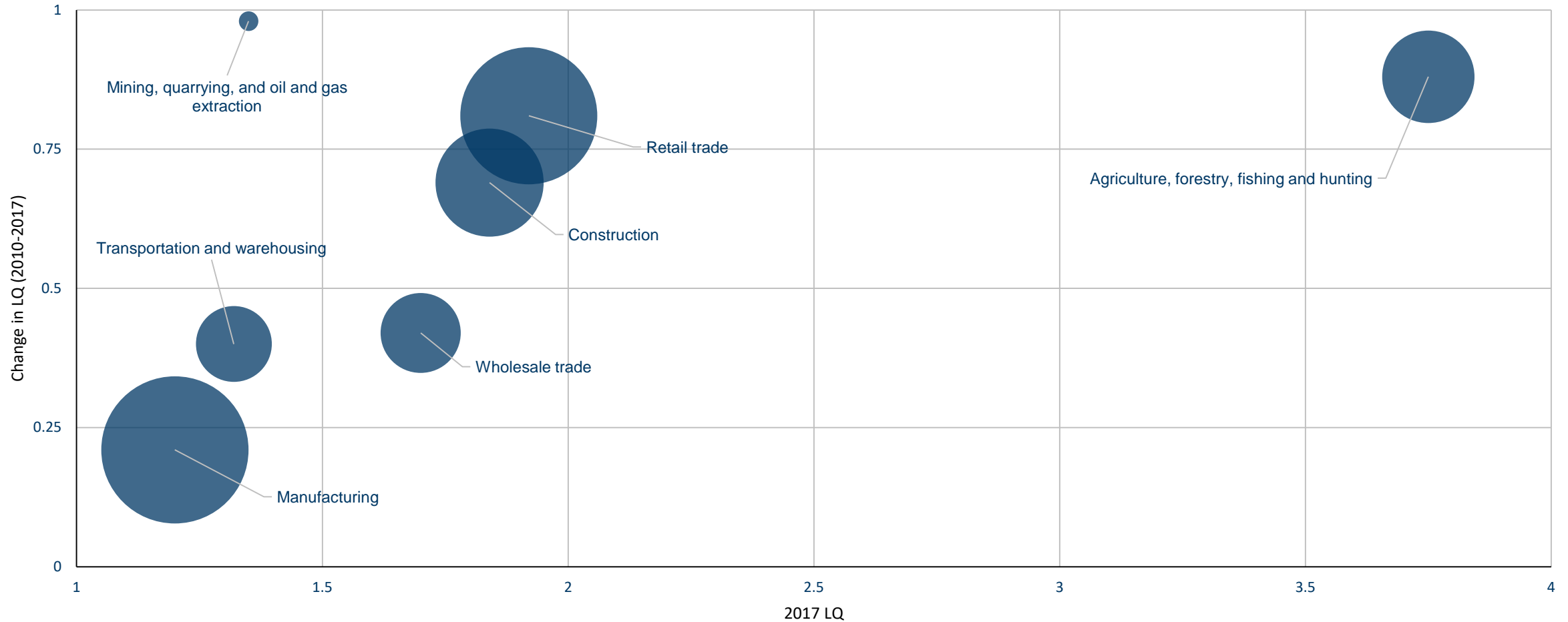
National/Statewide	Regional	District
Statewide Freight System & Investment Plan	Develop Minnesota 2016 - Comprehensive Development Strategy for Greater Minnesota	D2 - Manufacturers' Perspectives on Minnesota's Transportation System
State Rail Plan	Greater Minnesota Mobility Study Final Report & Scoring Sheets	D2 Capital Highway Investment Plan
Statewide Truck Parking Study	Great Northern Corridor (x6)	Grand Forks - East Grand Forks MPO 2045 LRTP & 2019 TIP
Minnesota TS&W Project	Western Minnesota Regional Freight Study	Headwaters Region 2016 Comprehensive Economic Development Strategy (CEDS)
Minnesota State Highway Investment Plan		CEDS for Northwest Minnesota 2016 - 2021
Freight Rail Economic Development Study		Local Community Improvement Plans
Rail Grade Crossing Safety Project Selection		
FHWA Scenario Planning of Future Freight and Passenger Flows Across the US / Mexico and US / Canada Borders		

Freight-Related Employment Density



February 6, 2020

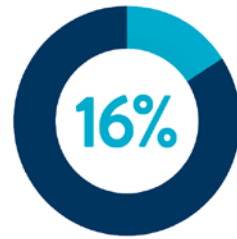
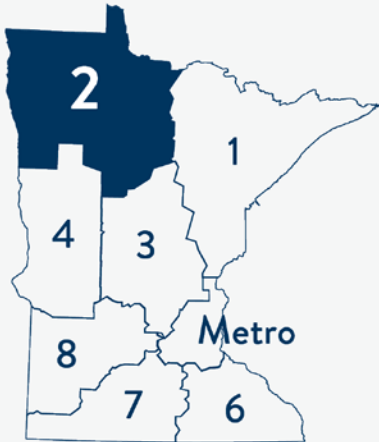
District 2 Industry Size and Specialization



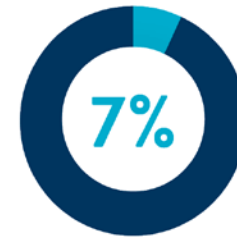
District 2 Freight Transportation

MINNESOTA DEPARTMENT OF
TRANSPORTATION – DISTRICT 2

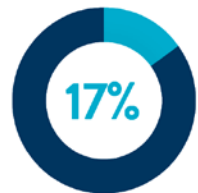
Freight Transportation Snapshot



22 of Minnesota's
134 total airports
are in District 2,
which includes
2 cargo airports



355 of the 4,839
total Minnesota
bridges are in
this district



1,803 miles
of (centerline)
trunk highway
11,733 statewide

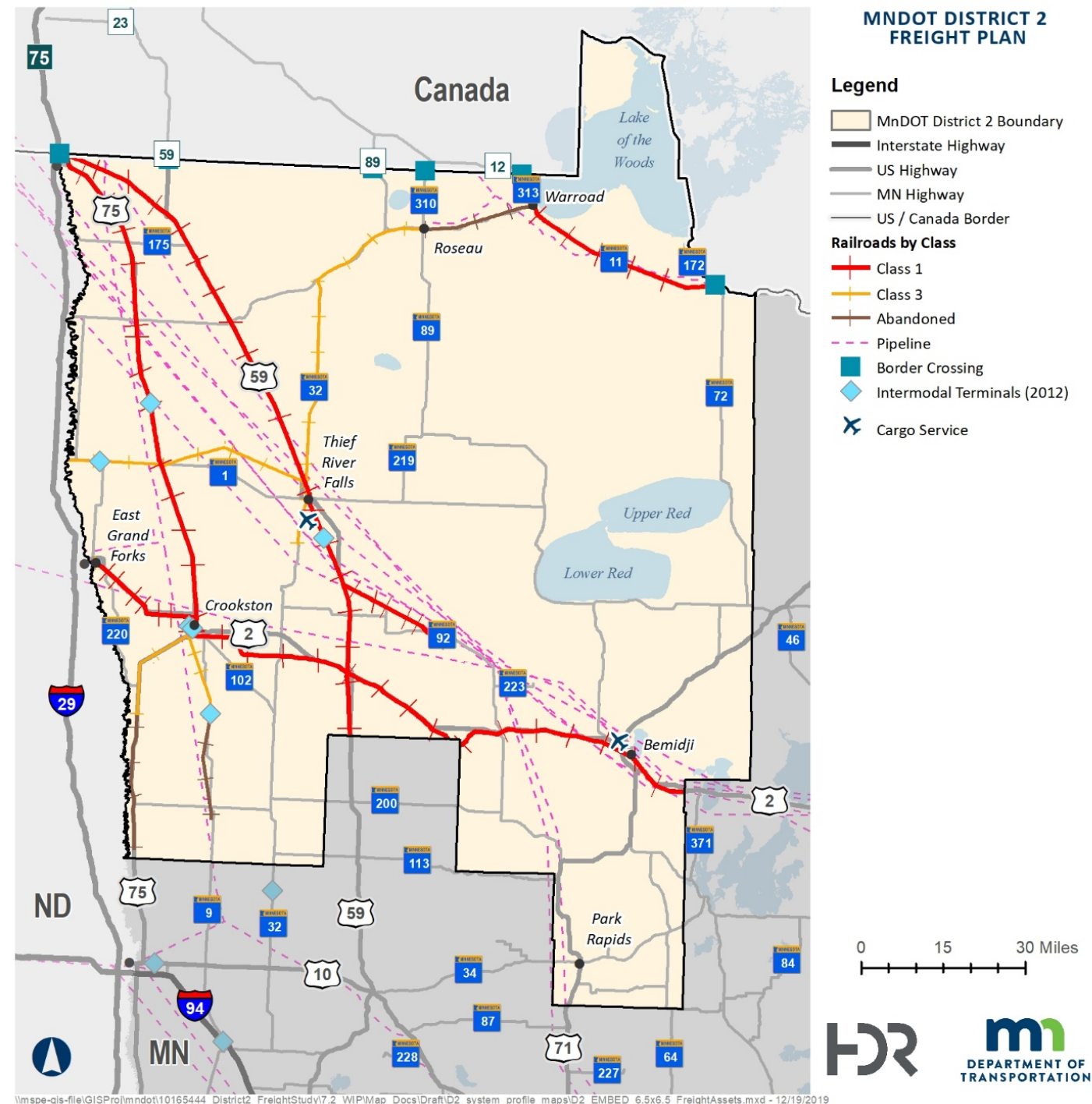


675 miles
of rail lines in
active use
4,449 statewide



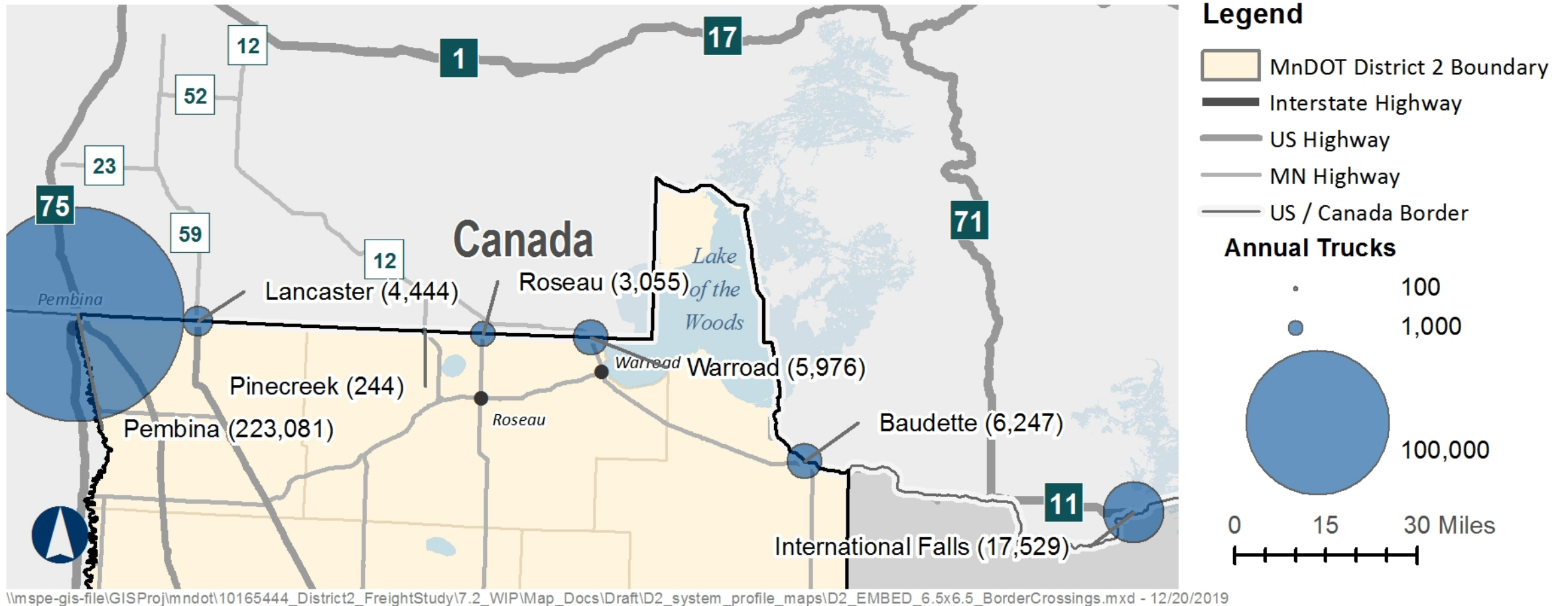
4 major pipelines
transport natural
gas and petroleum
products to refineries
in the Twin Cities

District 2 Multimodal Freight System

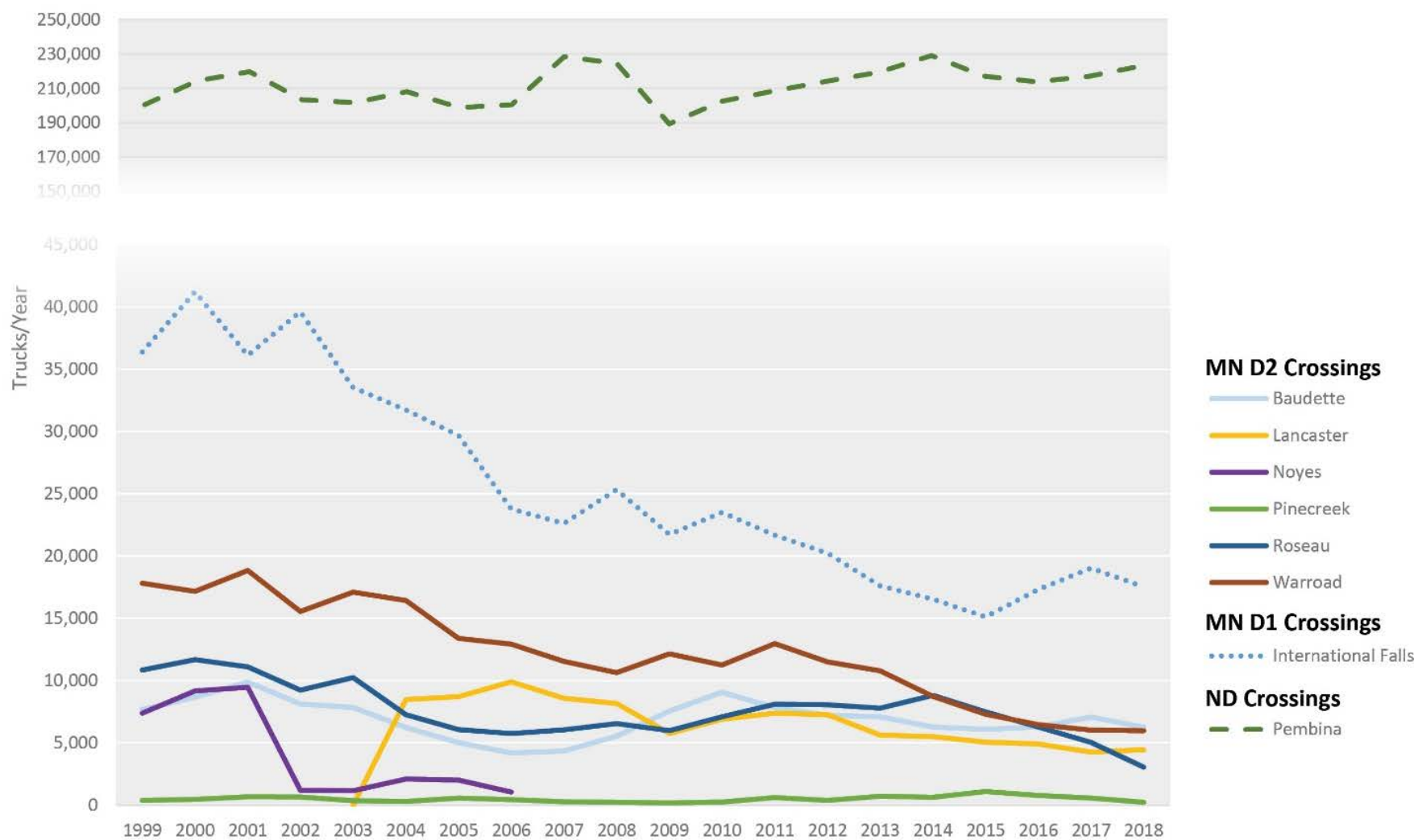


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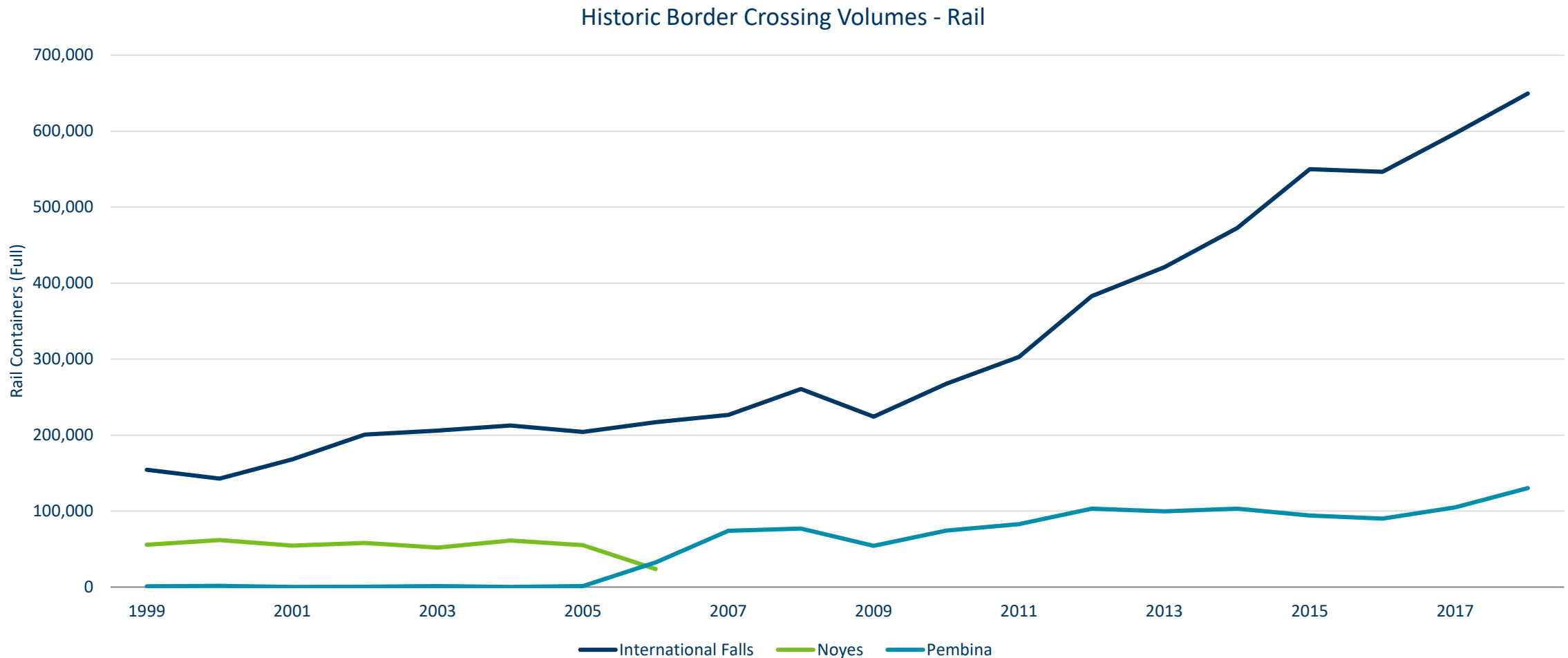
Canadian Border Crossings (Truck)



Canadian Border Crossings (Truck)

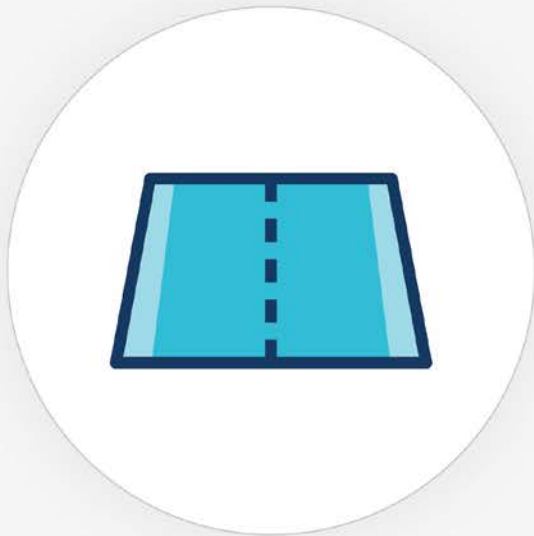


Canadian Border Crossings (Rail)



District 2 Highway Freight System

Highway Snapshot



1,800
centerline miles

3,900
lane miles

6
intermodal terminals



KEY FREIGHT CORRIDORS

75 US 75

2 US 2

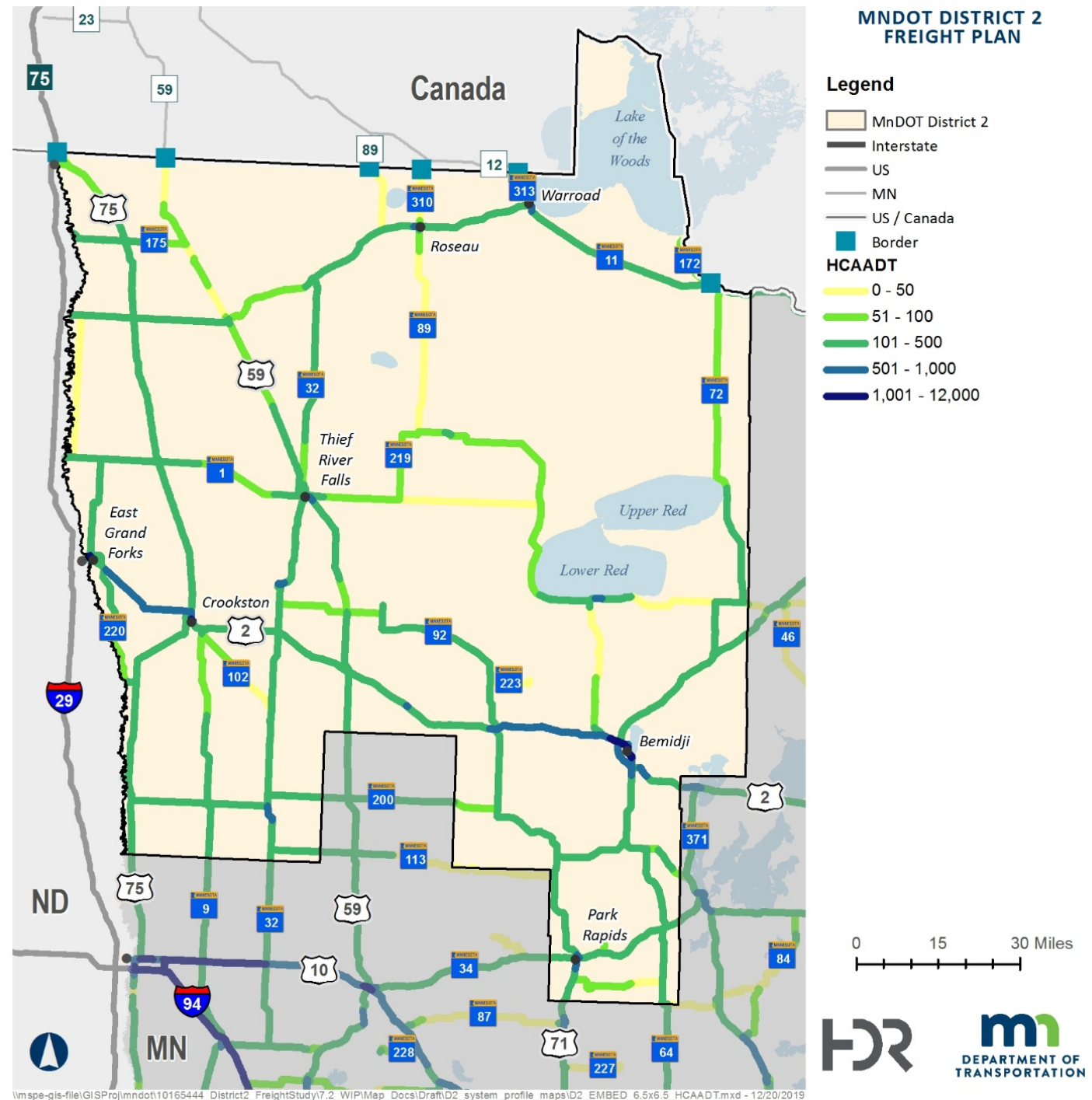
59 US 59

71 US 71



MN 11

District 2 Truck Volumes

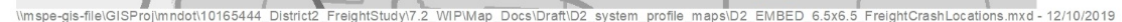


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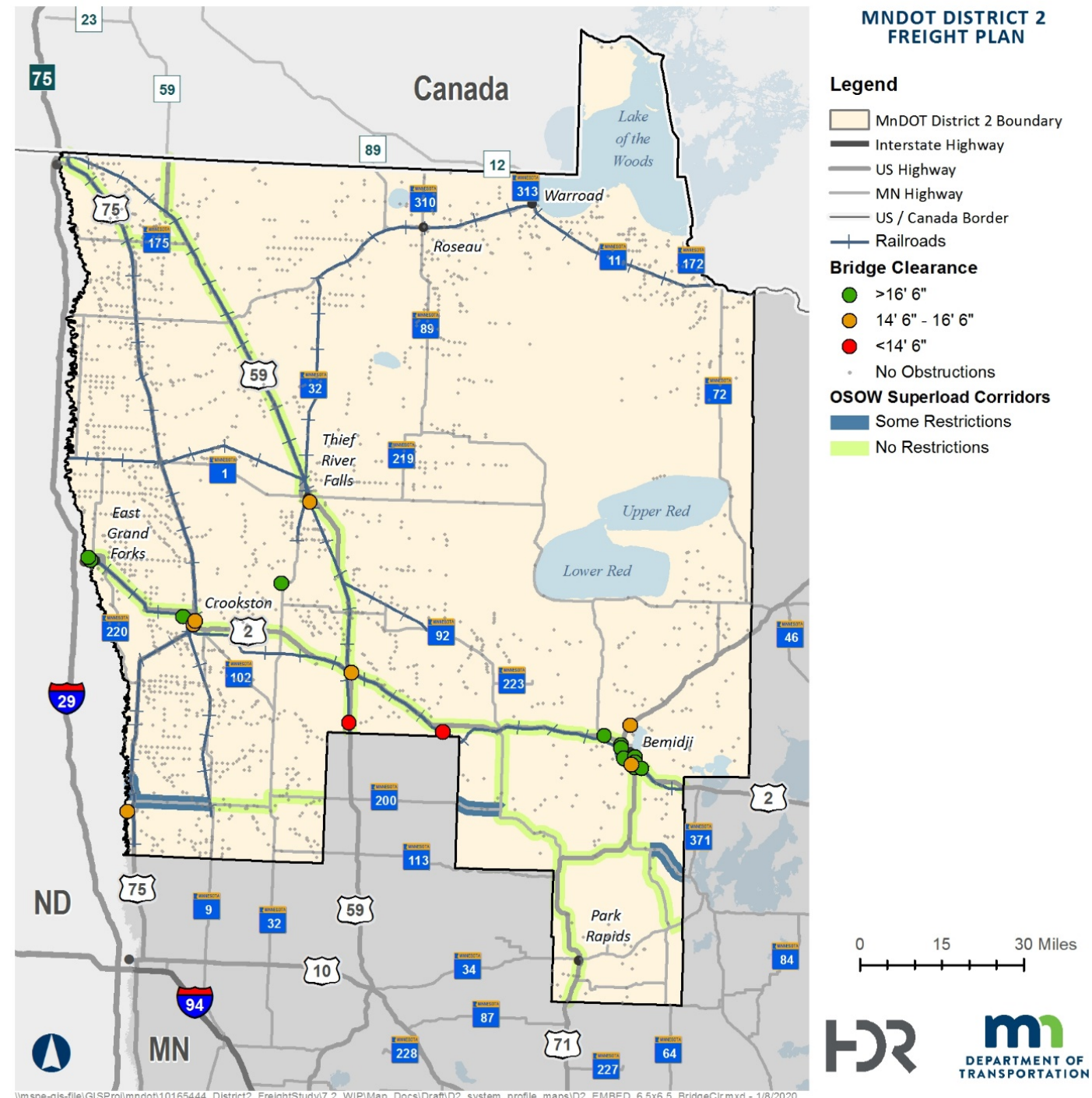
Canada



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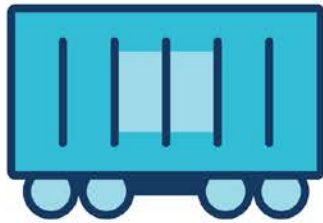
Highway Bridge Vertical Clearance



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District 2 Rail Freight System

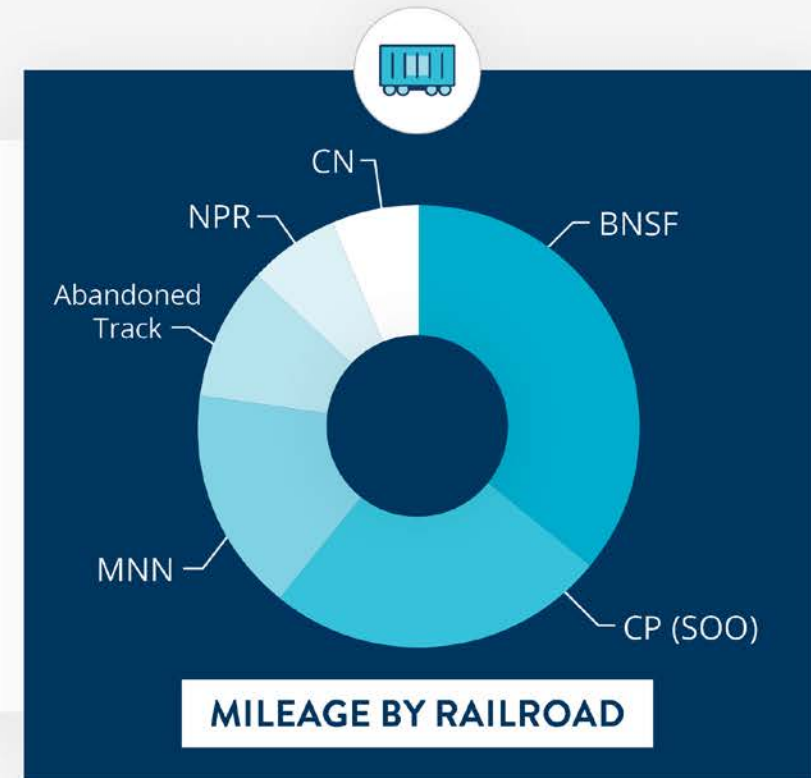
Railroad Snapshot



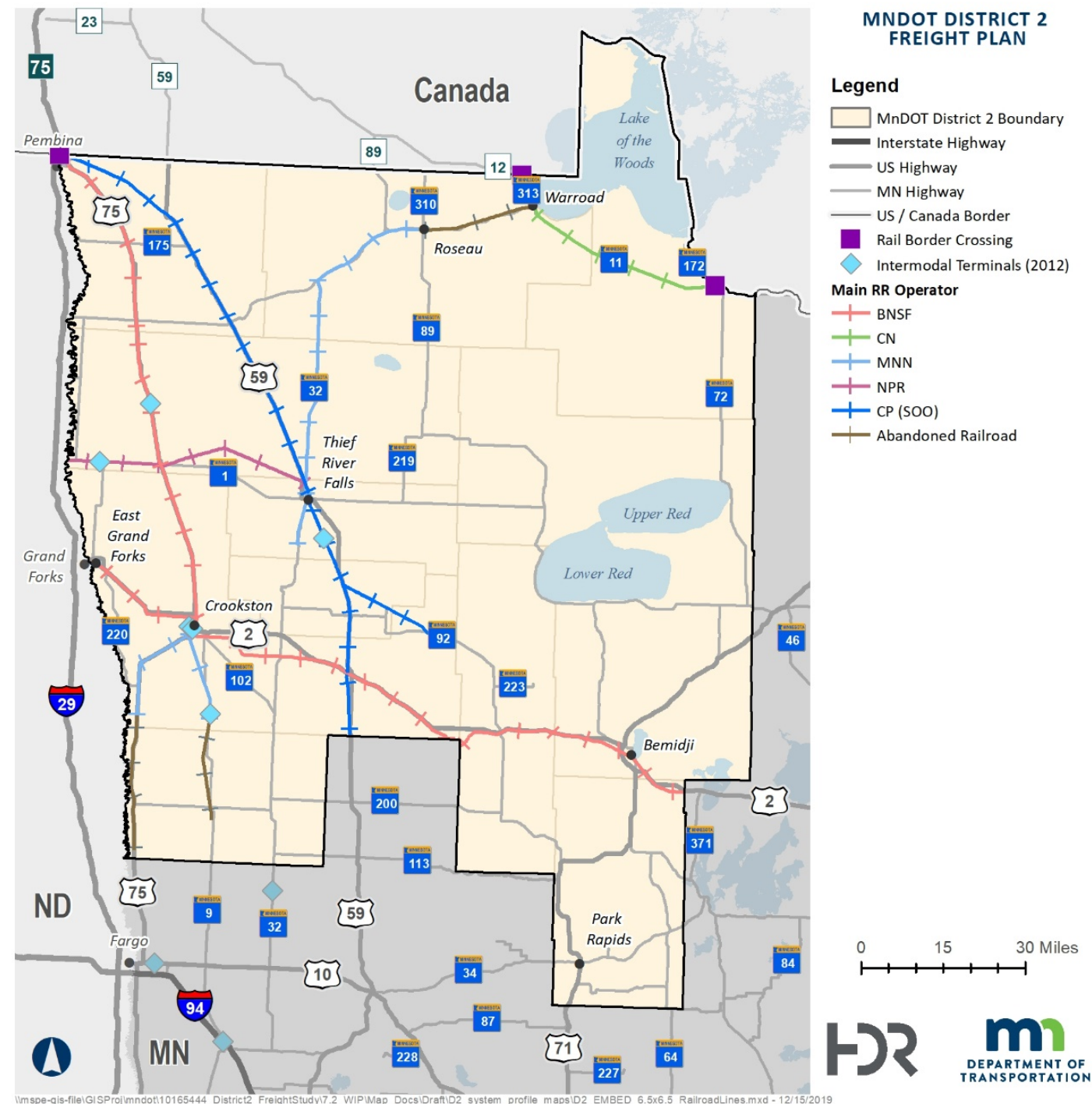
675 miles
of rail in District 2

455 miles
designated as Class 1

718
at-grade rail crossings



District 2 Rail Freight System



February 6, 2020

District 2 Aviation Freight System

Aviation Snapshot



2 million+
pounds of freight
exported annually



The **PRIMARY DESTINATION**
for outgoing freight
is Memphis, TN
1.5 million lbs/year

District 2

Air Cargo Exports

Destination	Bemidji	Thief River Falls	TOTAL
Brainerd	15,202		
Des Moines		41,112	
Fargo	333,516	198,008	
Little Rock		5,729	
Memphis		1,480,026	
Minneapolis-St. Paul	75,533	2,473	
St. Louis		5,041	
Total	242,251	1,732,389	2,156,640

February 6, 2020

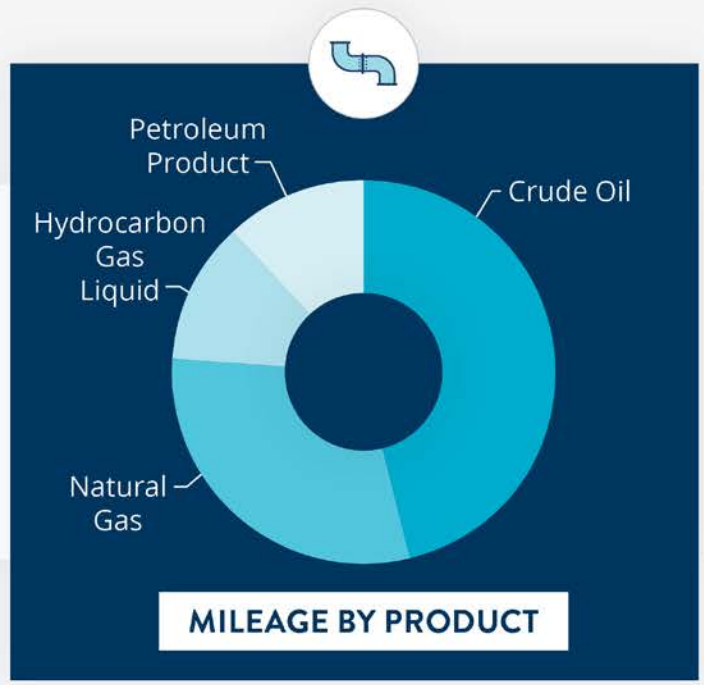


District 2 Pipeline Freight System

Pipelines Snapshot

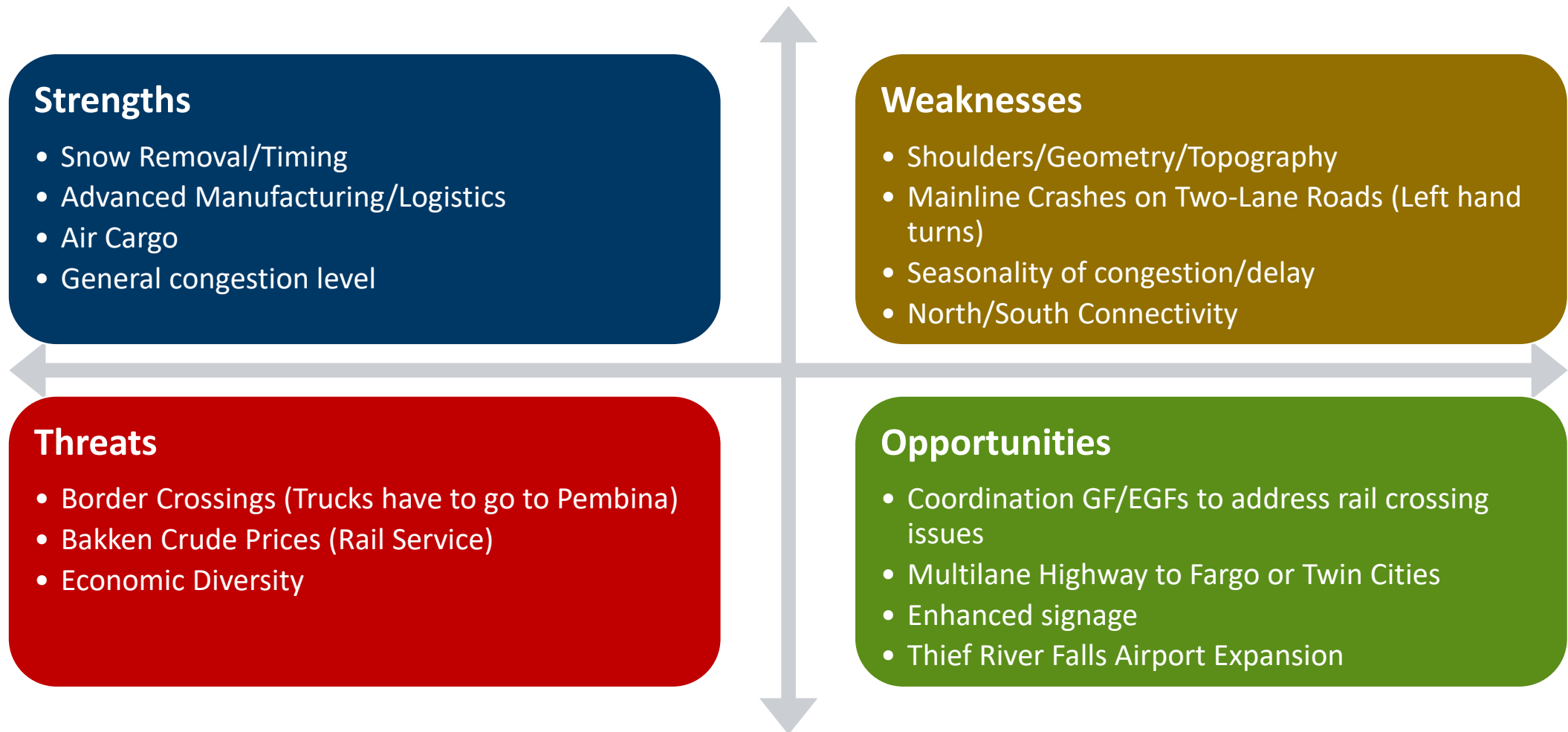


1,259 miles
of pipeline in
District 2



CAPACITY and
UTILIZATION of
pipeline network
impacts the use of
rail and truck modes.

SWOT Analysis



- Assess Project Feasibility
 - Identify gaps between needs and planned projects
 - Rank gaps based on objective scoring criteria
 - Develop conceptual design and cost estimates for highest ranking
- Develop Implementation Plan
 - Integration into Minnesota Highway Freight Plan

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