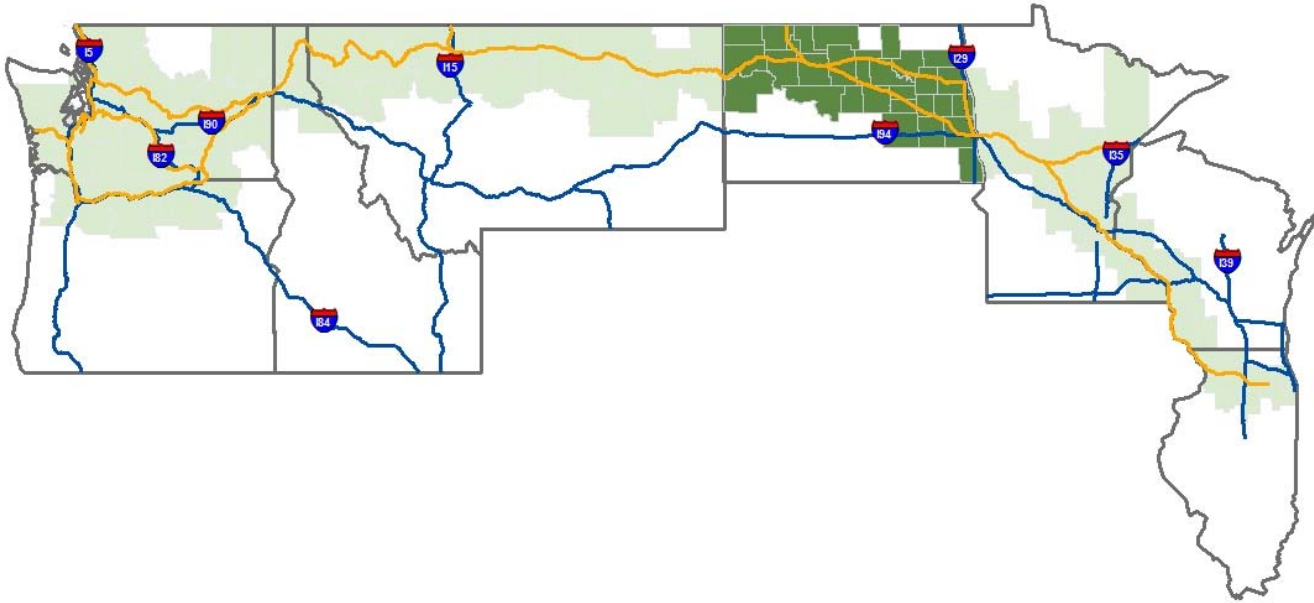


## Overview

Of North Dakota's 53 counties, 28 are within 20 miles of the Great Northern Corridor's (GNC) rail backbone. The GNC's multimodal corridor consisting of highways, rail and ports. It represents an east-west artery of commerce that supports the movement of people and goods, bringing economic vitality to more than 38 million Americans across eight North Central and Pacific Northwestern states.



## Demographic Makeup

The Great Northern Corridor has a rich and diverse demographic makeup as it spans over half the United States, connecting the Pacific Northwest to the nation's industrial Midwest, spanning rural agriculture and energy fields in between. The following highlights North Dakota's demographic and economic information to provide background on the areas through which the Corridor travels.

	Population (2015 Census)	U.S. Rank	GNC. Rank	Personal Income (Total, in Billions) (2015 USDC)	U.S. Rank	GNC. Rank	State's GDP (Total, in Billions) (2015 GDP USDC)	U.S. Rank	GNC Rank
<b>North Dakota</b>	756,927	48 <sup>th</sup>	8 <sup>th</sup>	\$41.2	48 <sup>th</sup>	7 <sup>th</sup>	\$54.8	45 <sup>th</sup>	7 <sup>th</sup>
<b>GNC Totals</b>	38,297,393	n/a	n/a	\$1,863.0	n/a	n/a	\$2,239.0	n/a	n/a
<b>US Totals</b>	321,467,160	n/a	n/a	\$15,324.1	n/a	n/a	\$17,830.3	n/a	n/a

Source: <http://www.bea.gov/>

North Dakota with 2 percent of the GNC population base, ranks 8<sup>th</sup> out of the eight GNC states in Population, 7<sup>th</sup> in Personal Income and State GDP. Within the US, the state ranks 48<sup>th</sup> in Population and Personal Income and 45<sup>th</sup> in State GDP.

## North Dakota Coalition Members

Currently, North Dakota stakeholders are represented by the North Dakota Department of Transportation. It is anticipated that this membership will grow as the Coalition expands its membership to MPO's, RTPO's, and other interested stakeholders along the corridor.

## Canadian Relations with North Dakota

Canada is North Dakota's largest trading partner, with exports in 2015 totaling \$2.8 billion and imports totaling \$1.9 billion.

North Dakota only has 19 of GNC's 54 international ports of entry on the Canada border.



Source: United States Department of Transportation, North American Transborder Freight Data (2014)



In 2014, North Dakota had four freight crossings in the top twenty GNC rail border crossings representing \$49.2 billion or 43% of the total value of the Top 20 GNC freight crossings.

## North Dakota Freight Border Crossing Locations in Top 20 GNC Crossings (2014)

Rank	Crossing	Route	Total Freight Crossings	Total Value (in Millions)	% of Total GNC Value
3	Portal, ND	ND-42	373,400	\$20,279	18%
4	Pembina, ND	I-29	360,628	\$27,932	24%
10	Dunseith, ND	US-281	28,619	\$878	0.8%
14	Walhalla, ND	ND-32	14,413	\$134	0.1%
<b>North Dakota Total in Top 20 GNC Crossings</b>			<b>777,060</b>	<b>\$49,223</b>	<b>43%</b>
<b>GNC Total of Top 20 GNC Crossings</b>			<b>2,630,547</b>	<b>\$114,567</b>	<b>100%</b>

Source: Bureau of Transportation Statistics, Border Crossing/Entry Data (2014).

## 2014 Value of Roadway and Rail Border Crossings

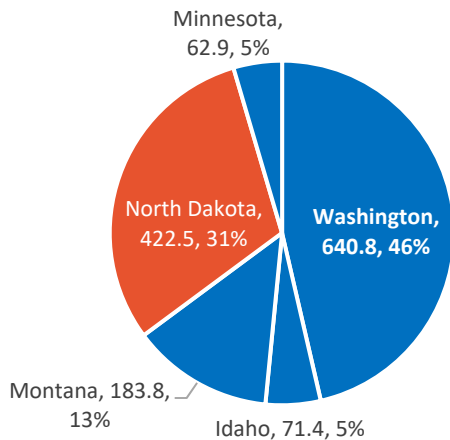
North Dakota	Total Roadway	% of Total GNC Roadway Value	Total Rail	% of Total GNC Rail Value
<b>Total Value in \$ Billions</b>	\$30.5	43%	\$14.0	39%
<b>Import Tonnage in Millions</b>	5.64	41%	16.2	34%

Source: Bureau of Transportation Statistics, Border Crossing/Entry Data (2014).

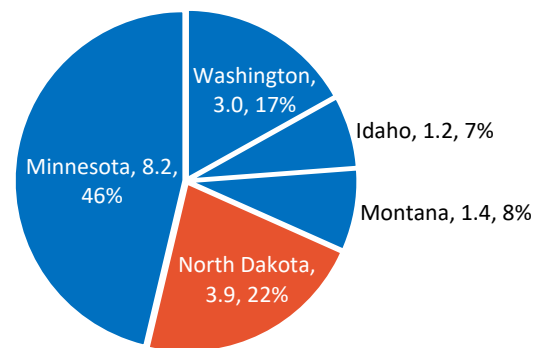
For 2014, North Dakota roadway crossings totaled \$30.5 billion, 43 percent of the total GNC roadway crossings. Rail border crossings in North Dakota were \$14 billion or 39 percent of the total GNC rail border crossings.

## 2014 Volume of Roadway and Rail Border Crossings

2014 Roadway Border Crossings  
in Thousands



2014 Rail Border Crossings  
in Thousands



During 2014, there were 422,452 North Dakota truck border crossings equivalent to 31% of the total GNC truck crossings. In that same year, there were 3,887 North Dakota rail border crossings, equaling 22 percent of the total GNC rail crossings.

## Domestic Cargo Movement (2014)

*Of the 293 Million Tons of Idaho Products moving domestically in the United States,*

**67%**

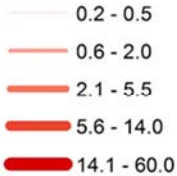
*is destined for GNC states, valuing \$84 Billion*

## Truck flows

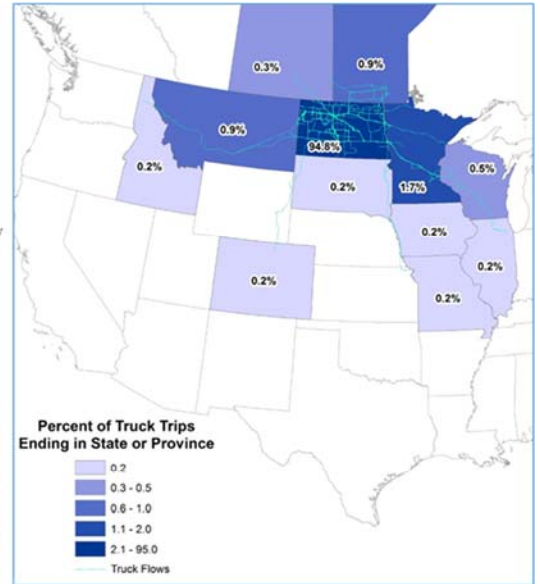
### North Dakota Port Services Intermodal Truck Routes and Departure Destinations



Percent of Truck Trips On Route



North Dakota, Percent of Truck Trips on Route			
Roadway	From	To	Percent of Truck Trips
US Hwy 2	US Hwy 52	I-29	59.7%
US Hwy 52	US Hwy 2	US Hwy 83	58.3%
US Hwy 52	US Hwy 83	US Hwy 2	49.3%
US Hwy 2	US Hwy 85	US Hwy 52	35.8%
US Hwy 83	I-94	US Hwy 52	32.5%
I-94	US Hwy 85	US Hwy 83	14.2%
US Hwy 83	US Hwy 2	Canadian Border	10.5%
US Hwy 52	I-94	US Hwy 2	9.7%
I-29	I-94	US Hwy 2	5.4%



The Truck routes displayed above, demonstrate the significance contribution North Dakota roadways and border crossings have to the mobility of freight through the Corridor.

## Freight Projects Supported by the GNCC in 2016

Below is a list of two North Dakota projects that the GNCC offered their support for the respective federal funding applications in 2016.

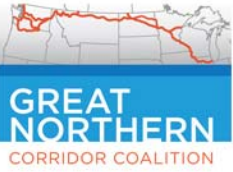
### GNCC Support letters written for FASTLANE and TIGER FY16

Project Name	Sponsor	Location	Total Project Cost	FASTLANE Request	TIGER FY16 Request	Web Link
US Highway 83 Broadway/Viaduct Replacement	ND Department of Transportation	ND	\$60M	\$36M	n/a	TBD
US Highway 85 Long X Bridge Replacement	ND Department of Transportation	ND	\$26M	n/a	\$15.6M	TBD

### FY2015 STEP Awards

In February 2016, The Federal Railroad Administration (FRA) awarded nearly \$10 million in grants for nine projects in eight states to upgrade and increase the safety of railroad crossings along energy routes. The funding is provided under the Railroad Safety Grants for the Safe Transportation of Energy Products (STEP) by Rail Program. FRA received 34 eligible applications requesting five times the \$10 million available for the program, or \$50.8 million. Five of the eight awards were given to GNC States. North Dakota received \$1.03 million for Improvements to Assorted Railroad Crossings.

Project Name	Sponsor	STEP award	
Assorted RR Crossings	NDDOT	\$1.03 M	<p>NDDOT was awarded \$1.03 million to improve seven crossings with lights and gates and close one crossing. These crossings currently only have cross bucks and will be upgraded with lights and gates:</p> <ul style="list-style-type: none"> <li>• 138th Ave NW, City of Williston, North Dakota - DOT 081542F</li> <li>• 117th Ave NW, Wheelock, North Dakota - DOT 093368H</li> <li>• 126th Ave NW, Epping North Dakota - DOT 093378N</li> <li>• 86th Ave NW, Ross, North Dakota - DOT 093315J</li> <li>• Grand Forks CR 16 Niagara, North Dakota - DOT 086580G</li> <li>• Grand Forks CR 20 West of Larimore, North Dakota - DOT 086884X</li> <li>•</li> </ul> <p>Currently has lights and gates and will receive new lights and a signal system:</p> <ul style="list-style-type: none"> <li>• 79th Ave NE Ramsey County CMC 3628 NW of Devils Lake, North Dakota - DOT 102629H</li> </ul> <p>Crossing will be closed:</p> <ul style="list-style-type: none"> <li>• 61st Street NW, Wheelock, North Dakota - DOT 093370J</li> </ul>



## Current GNCC Initiatives

The following are three Phase II initiatives that have relevance to activities within North Dakota:

### ***Unified Corridor Investment Program***

This initiative identified state and federal funding programs that should be evaluated for future project funding. The program included the development of a GNC project list and ranking methodology.

### ***Grade Crossing Safety and Mobility Initiative***

There is much public interest in Rail grade crossings safety. This initiative identifies an initial grade crossings evaluation criteria and methodology that is more expansive than the traditional FRA evaluation criteria. It is intended that this research be a first step in the evaluation process that a project sponsor uses in their investment decision.

### ***Sustainability Assessment Tools***

Through the use of sustainability tools, resource savings can be quantified and attributed to specific actions within a project and tracked to measure effectiveness. The assessment tools listed provide opportunities to evaluate project resource savings.

## Summary

These sample statistics and projects demonstrate the importance of freight mobility to the economic vitality of North Dakota. To date, GNCC has been a good source of information and is anticipated to remain an excellent resource and advocacy partner in the the coming years as more people and freight are moved within our northern tier.