



Crude-by-Rail Subcommittee

CBR Information Sharing

**Association of State Rail Safety Managers
Annual Meeting
October 2015**

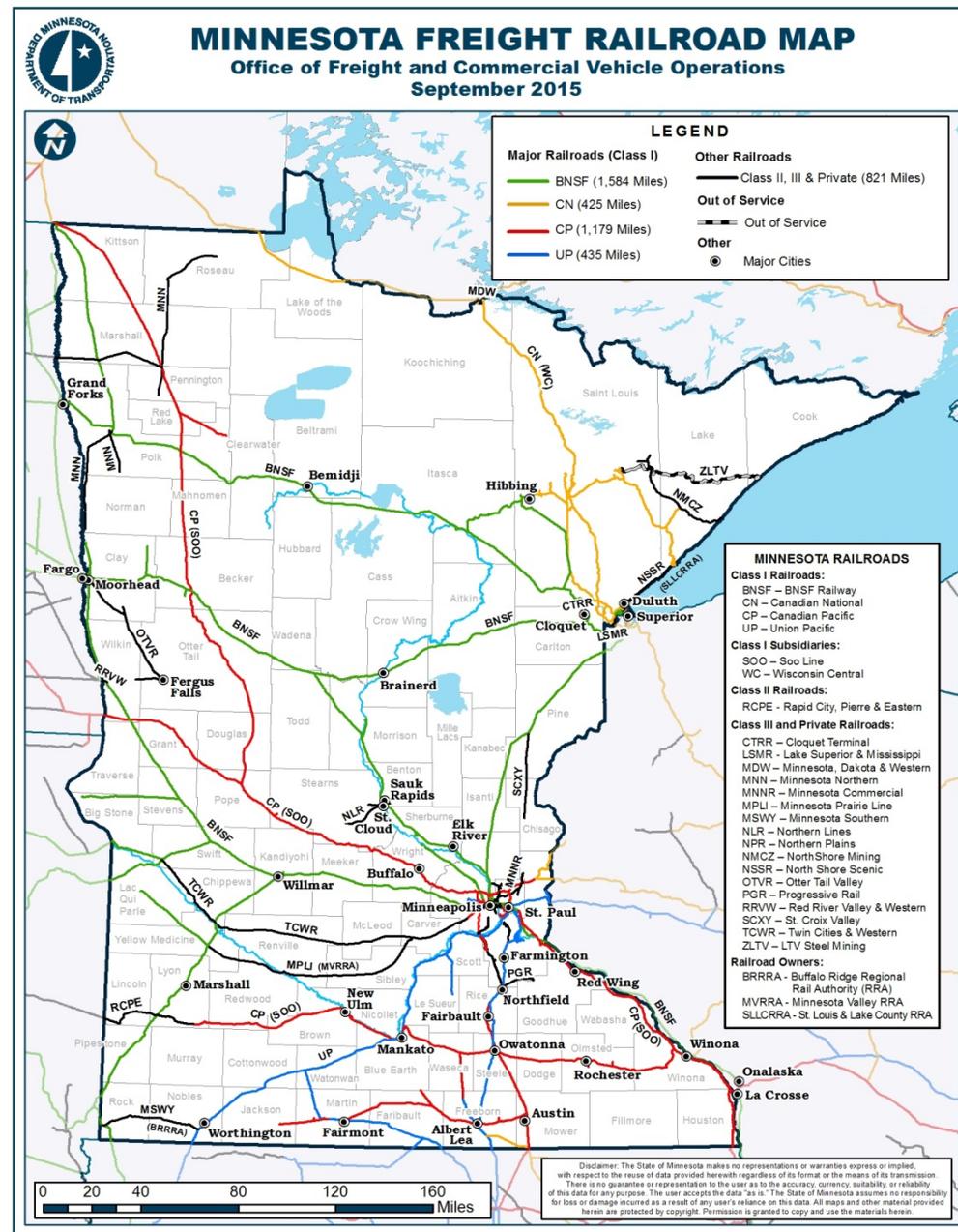
**Bill Gardner
Minnesota Department of Transportation**

We all have a stake in A  B

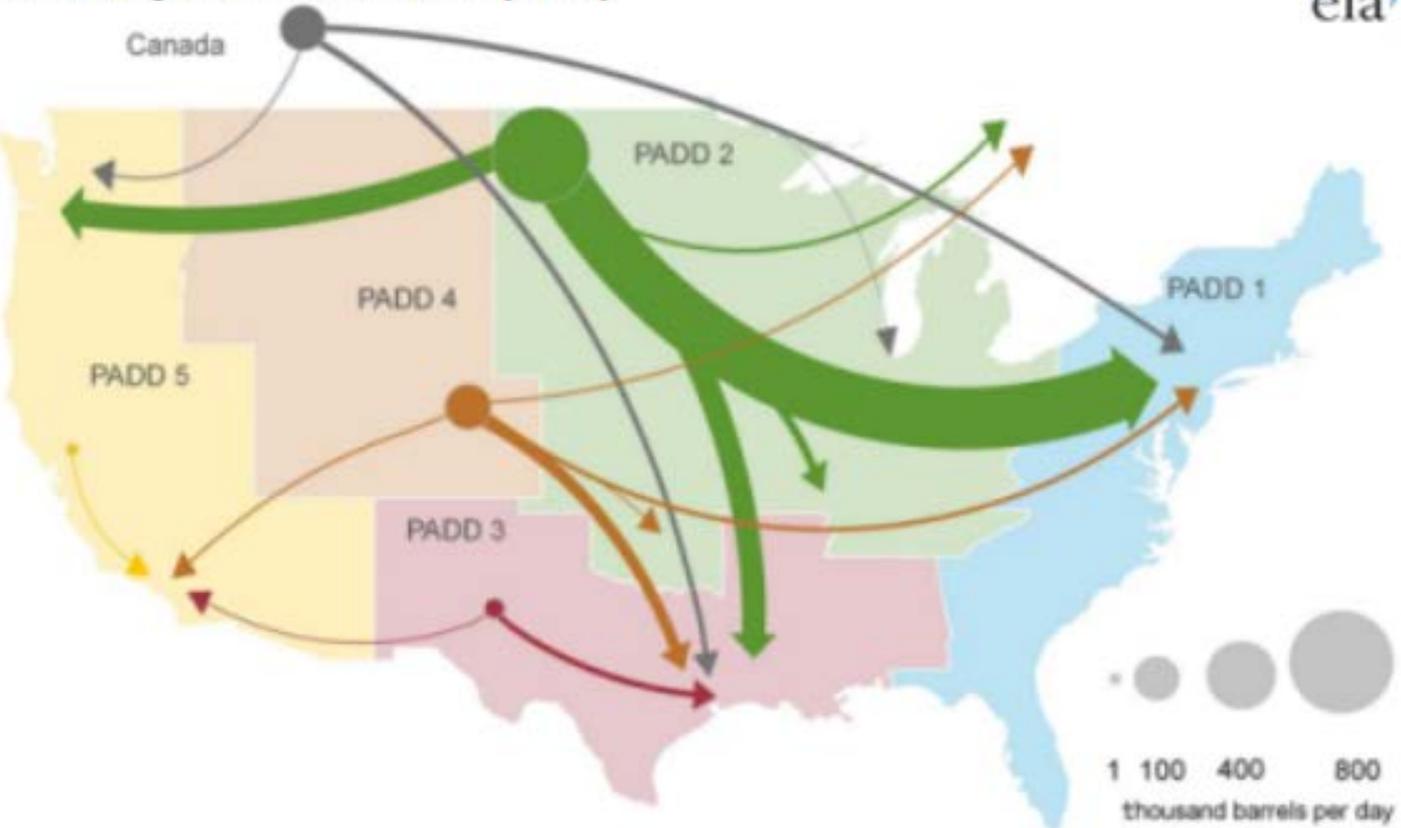


MN Rail System

- 4500 track miles—8th largest network in U.S.
- Four Class I railroads
- One Class II railroad
- Sixteen short line railroads
- 250 million tons/year moved in 3.9 million rail cars
- Rail in MN carries 25% of tonnage (truck = 63%)
- Projected 43% growth 2012-2040 in rail tonnage



Crude-by-rail movements (2014)



Source: U.S. Energy Information Administration based on data from the Surface Transportation Board and other information
Note: Crude-by-rail movements greater than 1,000 barrels per day are represented on the map; short-distance movements between rail yards within a region are excluded. PADD denotes Petroleum Administration for Defense District.

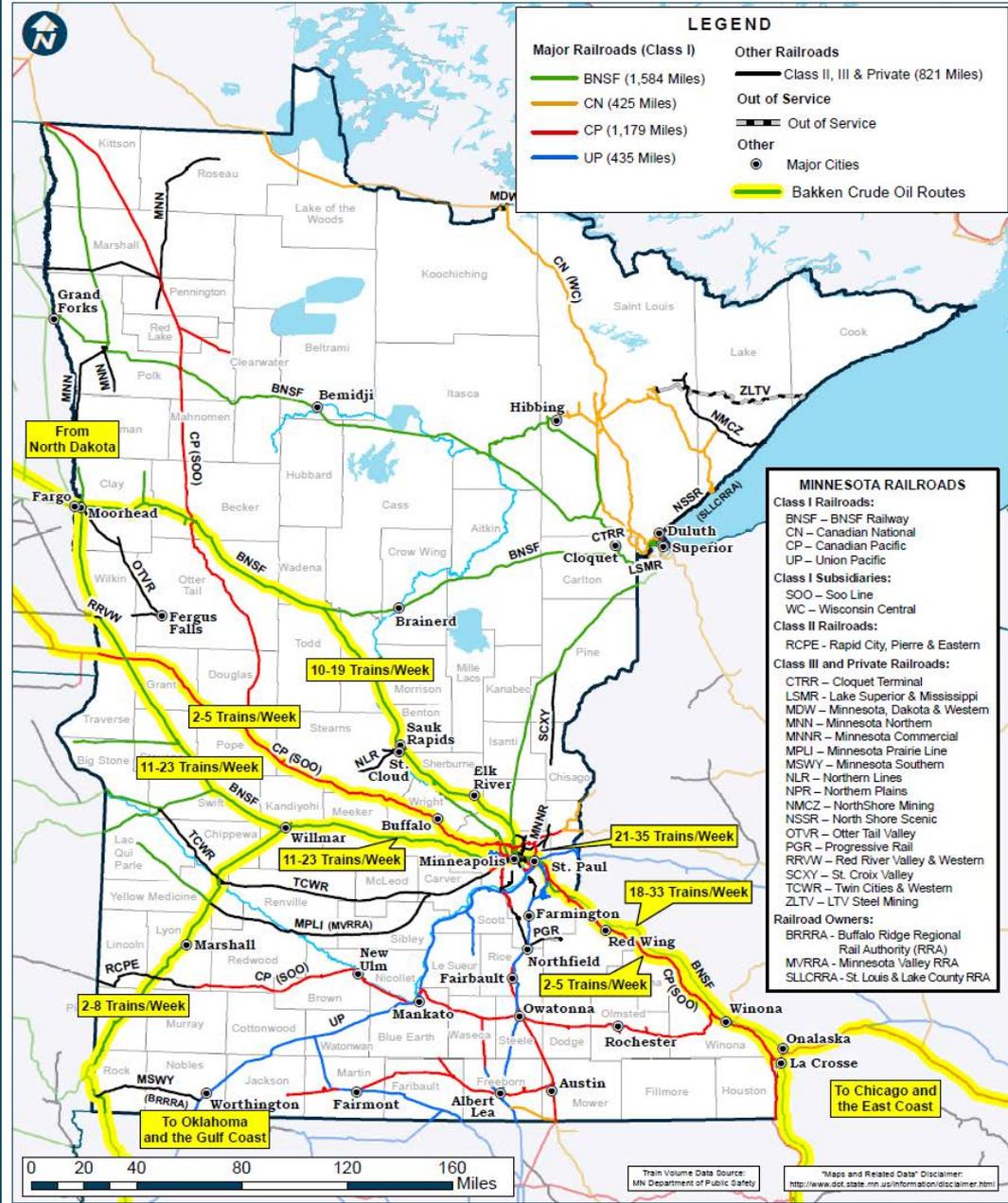




Bakken Crude Oil Routes Through Minnesota

Office of Freight and Commercial Vehicle Operations

October 2015





“More North Dakota oil trains entering Twin Cities via the west metro suburbs”

“Minnesota lawmakers should reduce, not ignore oil train risks”

“Avoiding an oil train explosion shouldn't be a matter of luck”

“Governor Dayton applauds new federal actions to Improve rail safety”

“Should we worry about an oil train derailment in Minneapolis?”

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For Minnesota hazmat inspector, many railcars and not enough time

 Dan Gunderson · Oct 1, 2015 Environment



Hazmat inspector Kevin Kampa inspects railroad cars carrying hazardous materials to help ensure the safety of the trains as they cross Minnesota. On a good day, Kampa says he might do two or three inspections. But if he finds problems, the paperwork can take hours. *Judy Griesedieck for MPR News*



CBR Information Sharing & Coordination

MnDOT Intra-Agency Coordination

- **Ad Hoc:** Management, Communications, Government Relations, District Offices, Emergency Management
- **Internal Rail Coordination Working Group**

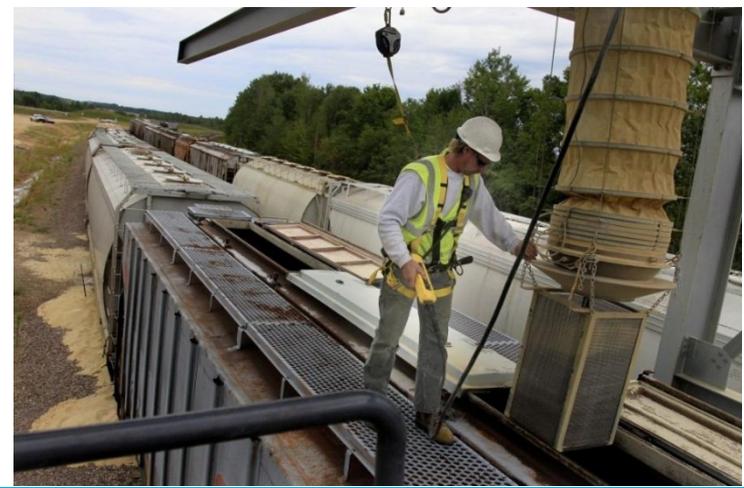
Inter-Agency Rail Working Group

- **Inter-Agency Rail Coordinator (Governor's Office)**
- Minnesota DOT, Public Safety, Pollution Control, Econ. Develop, Agriculture, Commerce, Health, DNR



Inter-Agency Rail Working Group

- Agency head and staff level meetings
- Improve prevention, preparedness and emergency response capability for rail hazmat incidents
- Respond to community concerns--service changes/re-routes/yard expansion/blocked crossings/double-tracking/train noise/bridge safety/rail cars storage
- Respond to shipper rail service concerns
- Advance rail economic development initiatives



CBR Grade Crossing Study

- ▶ 700 miles of track, 683 crossings evaluated
- ▶ Goal: reduce potential collisions that could result in train derailment, tank car rupture, and catastrophic fire
- ▶ 425,000 Minnesotans live within ½ mile of CBR routes (evacuation zone)



Report on the Improvements to Highway-Rail Grade Crossings and Rail Safety

December 2014



BNSF

Como Avenue
St. Paul, Ramsey County
USDOT# 082992F
Existing Warning Devices:
4 Quad Gates, Ped Gates

- High Risk Crossing
- Other crossing
- Oil Train Route
- 1/2 Mile Buffer
- Police Station
- Fire Station
- EMS
- Hospital
- School
- Nursing Home
- Trucking Company
- Prison
- Interstate Highway
- U.S. Highway
- MN State Highway
- County Highway
- MSAS
- City Street

0 0.25 0.5 Miles



Recommendations

- ▶ Crossing improvements: four gate protection, medians, improved signal interconnects, closings
- ▶ Grade separations (reduce collisions, improve emergency response and community access)
- ▶ 75 projects totaling \$330M over 10 years



Commissioner's Freight Rail Roundtable

- Regular meetings with RRs (high-level & staff)
- Improve information exchange
- Improve transparency and accountability
- Manage risk and mitigate community impacts
- Identify opportunities for public-private partnerships



Information Sharing with Other States

- ASRSM & CBR Subcommittee
- Transportation Research Board Subcommittee on Crude Oil Transportation
- National Governor's Association
- American Association of State Highway & Transportation Officials Standing Committee on Rail Transportation
- Ad hoc conversations with other states
 - Inspection practices
 - Hiring, funding, inspection disciplines
 - CBR corridor coordination
 - Legislative initiatives
 - Inter-agency coordination initiatives





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