Paths to Prosperity: Michigan's International Corridors

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Today's Topics

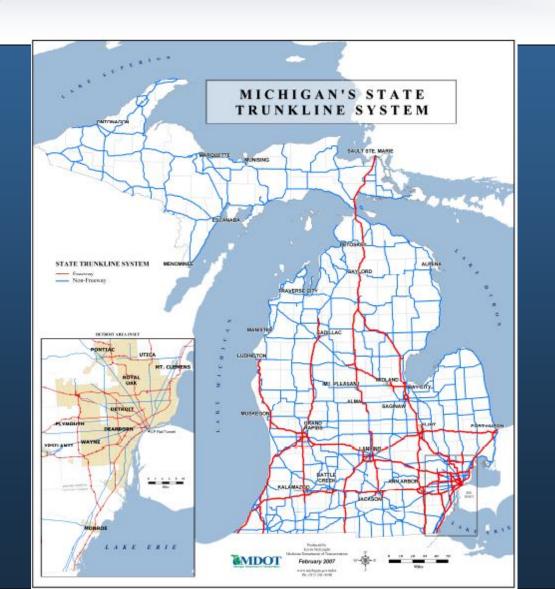
- Michigan's Highway & Rail Systems
- Major Corridors
- Border Crossings
- > U. S. / Canada Trade
- Michigan's Partnerships
- Major Projects on International Corridors







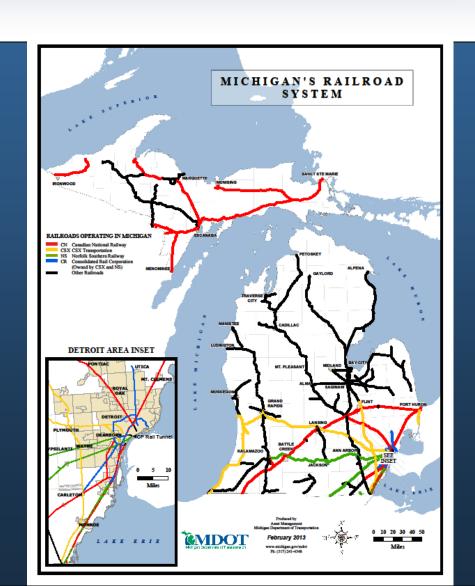
Michigan's State Trunkline System



Michigan's Corridors of Highest Significance



Michigan's Rail System







The Windsor Detroit Tunnel



State of Michigan International Border Crossings

Canadian National Railway Bridge A International Bridge



- ▲ Bridge Crossing ▲ Railway Bridge Crossing
- F Ferry Crossing
- Tunnel Crossing



Blue Water Bridge▲ St. Clair River Rail Tunnel① Blue Water Passenger Ferry

Algonac-Walpole Island Passenger Ferry

Detroit-Windsor Tunnel
Detroit River Rail Tunnel
Ambassador Bridge
Detroit-Windsor Truck Ferry(F)







International Border Crossings

Highway Crossings

- Detroit-Windsor (Ambassador Bridge)
- Detroit-Windsor (Detroit Windsor Tunnel)
- Port Huron-Sarnia (Blue Water Bridge)
- Sault Ste. Marie (International Bridge)

International Border Crossings

Rail Crossings

- Detroit-Windsor (Detroit River Tunnel)
- Port Huron-Sarnia (St. Clair Tunnel)
- Sault Ste. Marie (International Bridge)

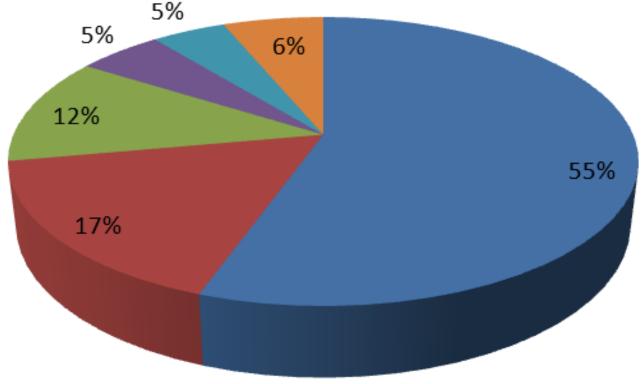
Ferry Crossings

- Detroit-Windsor (Truck Ferry)
- Algonac-Walpole Island (Auto Ferry)
- Marine City-Sombra (Blue Water Ferry)

- World's largest trading partnership
- Each country is the other's largest trading partner
- Trade enhanced by NAFTA (1994) and previous agreements
- > \$616 Billion (2012)

U. S. / Canada Trade Modal Split





- 35% of all U.S. / Canada trade passed through Michigan
 - 22% through Detroit
 - 13% through Port Huron
 - 0.5% through Sault Ste. Marie
- Every state moves some part of its trade with Canada through Michigan

- > Top states (2012, by value):
 - 1. Michigan (\$65B)
 - 2. California (\$18B)
 - 3. Ohio (\$17B)
 - 4. Texas (\$16B)
 - 5. Illinois (\$16B)
 - 6. Indiana (\$15B)

- 7. Tennessee (\$9B)
- 8. Kentucky (\$5B)
- 9. Wisconsin (\$4B)
- 10. Minnesota (\$3B)
- 11. Missouri (\$2B)
- 12. Iowa (\$2B)

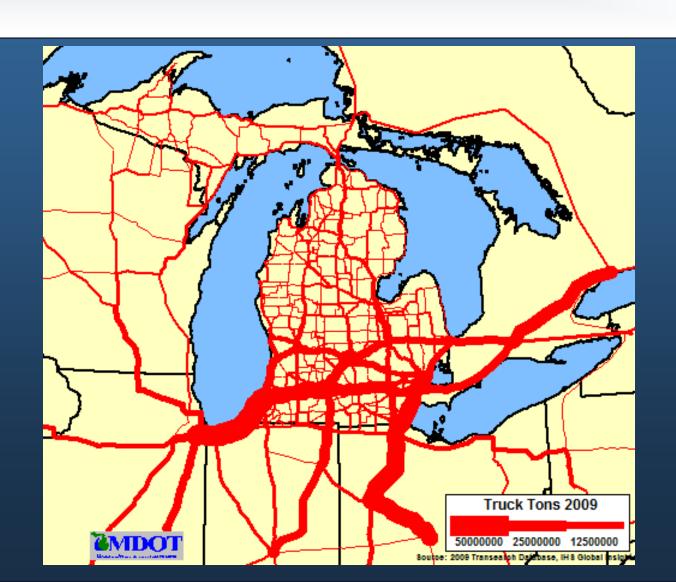
States with > 50% of its Canadian trade using Michigan's border crossings:
 Arkansas, Indiana, Kentucky, Michigan, Mississippi, Missouri, Tennessee, and Wisconsin

Trade across Ambassador Bridge alone equals total U.S. – Japan trade

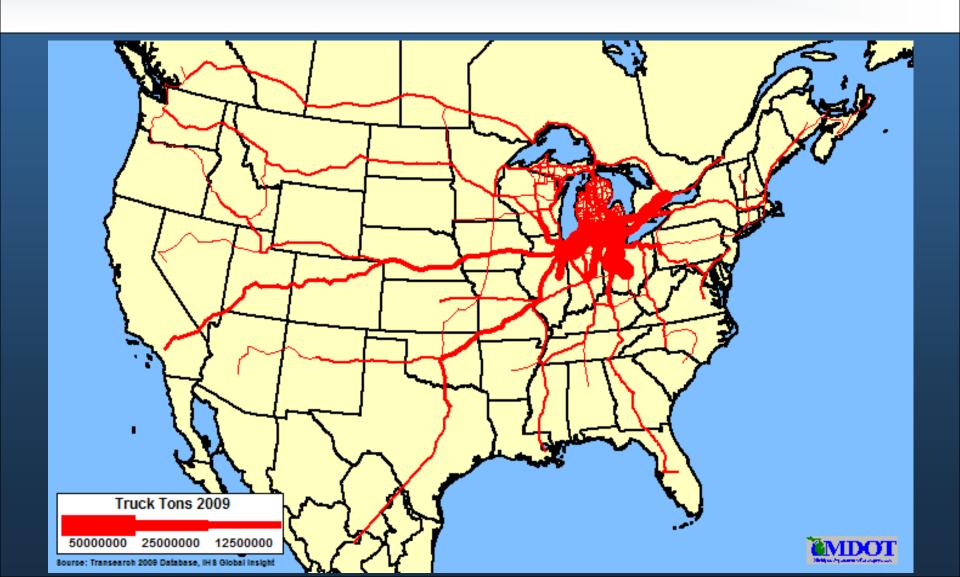
Truck Volumes Crossing Border

Border Crossing	2006	2007	2008	2009	2010	2011	2012
Ambassador Bridge	3,498,127	3,398,745	2,885,047	2,294,441	2,683,047	2,614,988	2,506,660
Blue Water Bridge	1,636,520	1,613,997	1,574,428	1,344,182	1,429,965	1,448,957	1,477,021
Detroit-Windsor Tunnel	127,433	111,082	90,241	57,503	56,457	43,590	35,821
Sault Ste. Marie Bridge	122,804	111,335	115,435	96,377	99,551	95,900	96,545
Peace Bridge	1,301,350	1,310,197	1,283,829	1,117,312	1,221,197	1,253,058	1,265,351
Lewiston-Queenston Bridge	941,520	893,586	789,894	674,912	679,666	699,278	689,170

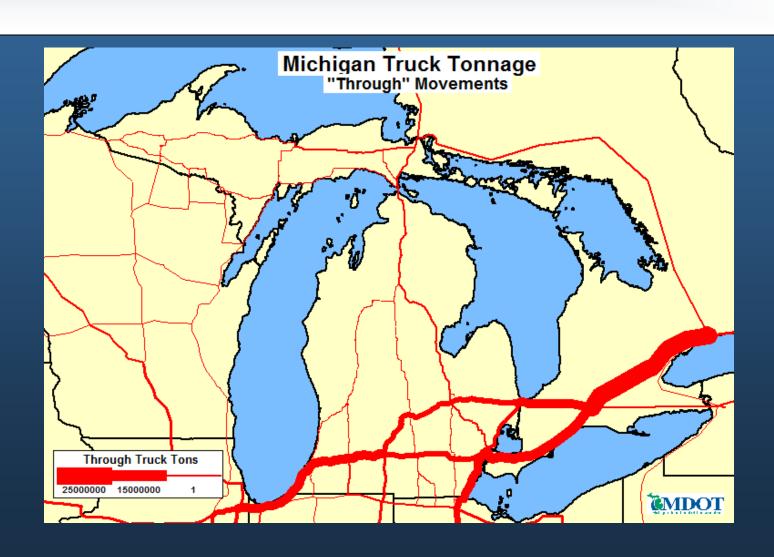
Truck Flows – Regional



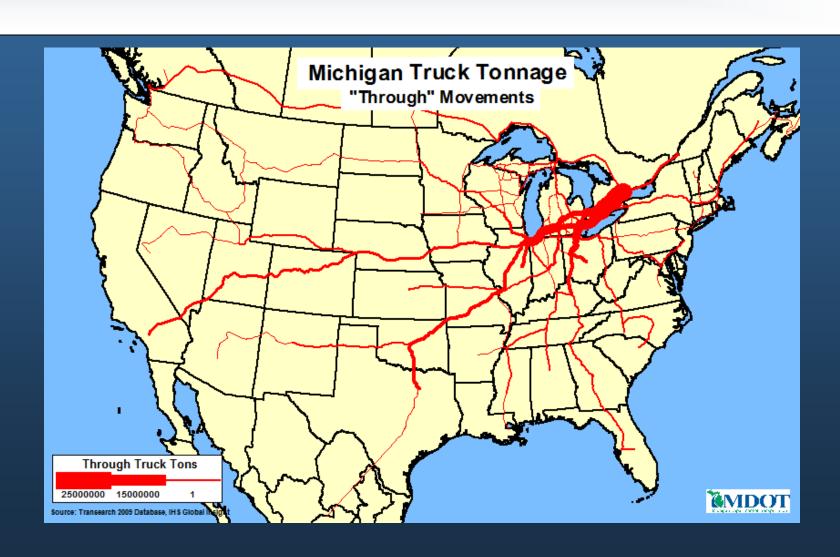
Truck Flows - National



Through Truck Flow – Regional



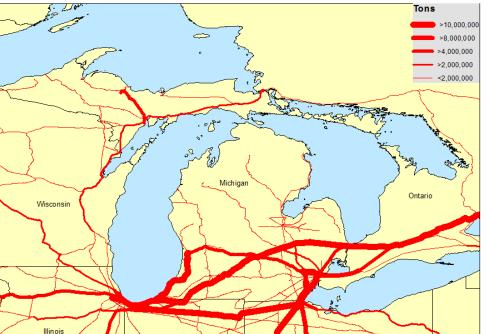
Through Truck Flow – National



COAL



Michigan 2010 Rail Movements



CHEMICALS



AGRICULTURE



METALLIC ORES



TRANSPORTATION EQUIPMENT



Michigan Rail Tonnages

Indiana

Inbound			Outbound			
Commodity	Total Tons		Commodity	Total Tons		
Coal	21,168,609		Transportation Equipment	4,239,364		
Primary Metal Products	1,932,981		Agriculture	3,043,227		
Chemicals	1,925,793		Metallic Ores	1,551,696		
Miscellaneous or Mixed Shipments	1,676,040		Waste or Scrap Material	1,543,320		
Transportation Equipment	1,622,404		Primary Metal Products	1,287,012		
Petroleum or Coal Products	1,405,128		Nonmetallic Minerals	1,257,496		
Logs, Lumber, and Wood Products	973,400		Paper and Pulp Products	1,190,480		
Clay, Cement, Glass or Stone Products	949,928		Chemicals	1,168,204		
Food Products	588,788		Miscellaneous or Mixed Shipments	946,320		
Paper and Pulp Products	494,200		Food Products	706,476		

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LOGS, LUMBER, and WOOD PRODUCTS





MDOT's Partnerships

- Eastern Border Transportation Coalition
- Canada U.S. Transportation Border Working Group
- Great Lakes Regional Transportation Operations Coalition
- I-69 International Trade Corridor
- > I-94 Corridor Operations Partnership

Major Projects on Michigan's International Corridors

- Border Crossing Projects:
 - Ambassador Bridge Gateway
 - New International Trade Crossing
 - International Bridge (plaza)
 - Blue Water Bridge (plaza)
 - St. Clair Rail Tunnel (completed)
 - New Detroit River Rail Tunnel

Major Projects on Michigan's International Corridors

- Reconstruction of I-94 in Detroit
- Reconstruction of I-75 near Detroit
- Bridge / Interchange reconstruction on I-69, I-94, I-96
- Detroit Intermodal Freight Terminal
- Replacement Lock at Sault Ste. Marie

Questions / Comments

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