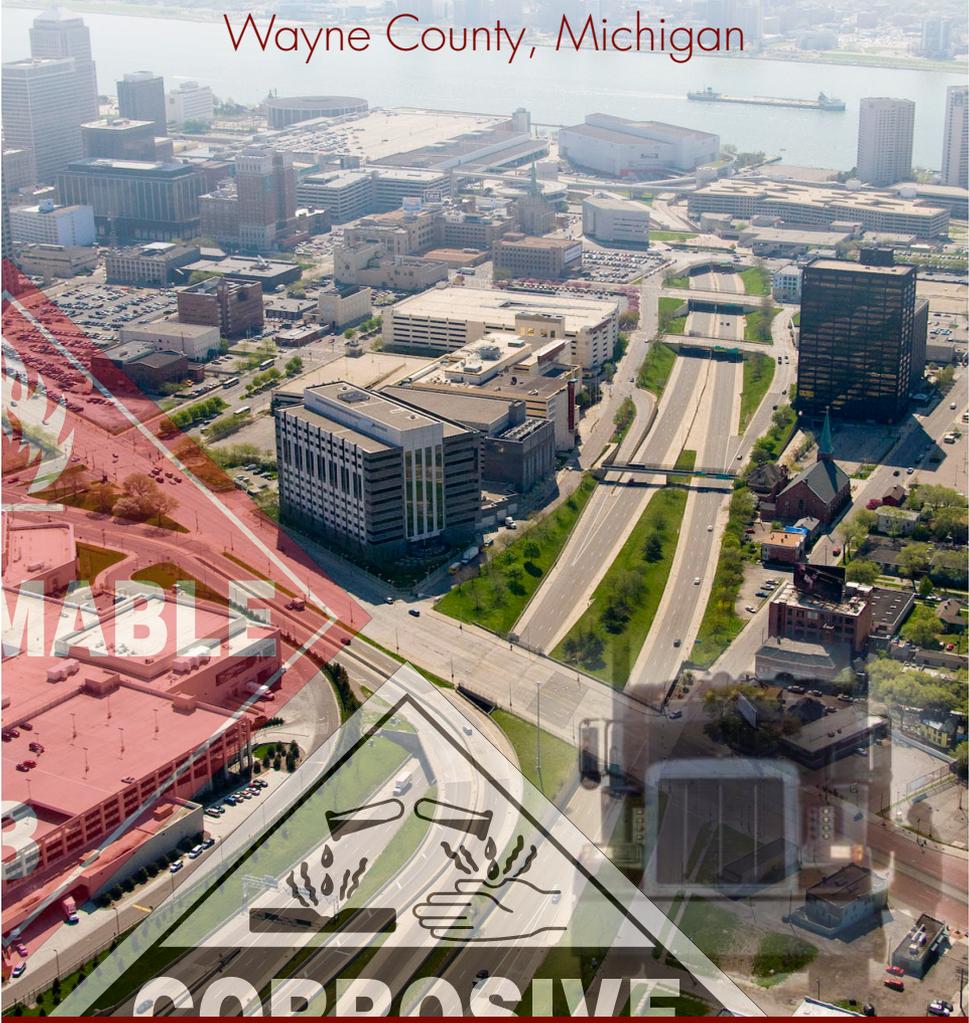


A GUIDE FOR PROPOSED CHANGES TO THE NON-RADIOACTIVE HAZARDOUS MATERIALS ROUTING DESIGNATIONS

Wayne County, Michigan



Why Here? Why MDOT? Why Now?

HAZARDOUS MATERIALS TRANSPORTATION

Hazardous materials are commonly transported through Michigan by truck, rail, and ferry. Numerous businesses in Michigan use or manufacture goods in the hazardous product and waste classes. These products range from fuel to detergents to household batteries. While serious incidents with these materials are not common, incidents do occur. The use of placarded truck routes for hazardous materials maximizes opportunities for quick action by emergency responders, while maintaining any possible exposure to risk to safeguard motorists and the general public. These routes may be designated with restrictions, have limits on hazardous materials, prohibit the transportation of specific materials, or have other requirements.

Hazardous materials include elements of everyday life and are located in every neighborhood.



THE REVIEW PROCESS

Why Here?

- Four of Michigan's nine restricted routes are located in Wayne County
- Request from the owner to modify current restrictions on the Ambassador Bridge

Why MDOT?

- MDOT is the authorized agency in Michigan responsible for Non-Radioactive Hazardous Materials (NRHM) routing designations, restrictions and requirements.
- Applicable federal and state laws/regulations include:
 - 49 USC §5112
 - 49 CFR 397
 - MCL 480.11a

Why Now?

- Request for change submitted November 2008
- Public outreach step in the review process

STEPS INVOLVED

- ✓ Request Change
- ✓ Initiate Process
- ✓ Conduct Studies
- ✓ Review Data
- ✓ Propose Changes
- Stakeholder Collaboration
- Public Outreach/Comments
- Consider Comments
- Final Determination

SPECIFIC CONSIDERATIONS

- Should current restrictions remain?
- Should current restrictions be removed?
- Should new restrictions or requirements be added?

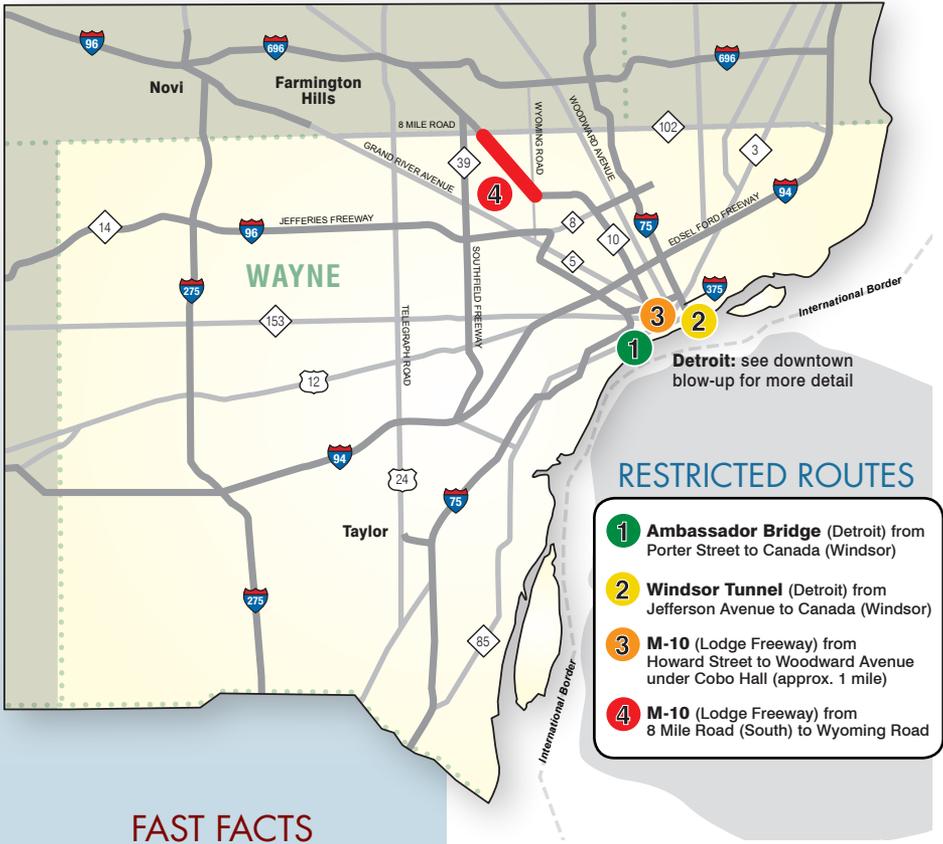
KEY POINTS

MDOT is designating Michigan roadways where NRHM should be restricted and/or cannot travel, not where it can go. NRHM can be transported on non-restricted roads and bridges.

The synopsis report is preliminary. No final decision has yet been made. Studies and technical analysis were the basis of the synopsis report issued in December 2012. This is the time for MDOT to receive and consider public comments and other information before making a final determination. The safety of citizens and the traveling public is a primary concern.

While MDOT is responsible for placing restrictions on transportation routes, the Michigan State Police and/or local police authorities are responsible for enforcing the restrictions.

HAZARDOUS MATERIALS RESTRICTED ROUTES



FAST FACTS

- There are approximately 7,085 miles of roadways and highways in Wayne County.
- Approximately 7 miles, only a small portion of the total, are restricted routes.
- Current routes and restrictions were established in the 1990s.
- Restrictions apply only to placarded vehicles.
- Completion of the Gateway Project in 2012 connected the Ambassador Bridge to I-75.

RISKS

Factors and considerations for safest routes based on primary risks:

- Technical Analysis
- Population Density
- Type of Highway
- Type of Hazardous Materials
- Emergency Response Capabilities

The proposed changes modify current route restrictions and add protective measures to reduce risks.



FREQUENTLY ASKED QUESTIONS

Question: Who is responsible for enforcing routing restrictions?

Answer: Michigan State Police and/or local police authorities.

Question: Who responds to a Non-Radioactive Hazardous Materials emergency?

Answer: Local, state, and federal emergency response and recovery resources.

Question: Can hazardous materials be transported across other international crossings in Michigan?

Answer: Yes, at the Blue Water Bridge, the International Bridge, and the Detroit-Windsor Truck Ferry.

Question: Are restrictions in place at the other international bridges in Michigan for the transportation of hazardous materials?

Answer: Yes, each bridge has specific restrictions.

Question: Why are placards used on trucks?

Answer: Trucks carrying most types of hazardous materials are required to display placards identifying the classification of the hazardous materials being transported.

Question: What credentials are required to drive trucks transporting hazardous materials?

Answer: Truck operators must have a Commercial Driver License (CDL) with a valid hazardous materials endorsement.

Question: When will MDOT make a final determination?

Answer: No later than June 20, 2014 (18 months after the release of the synopsis report).

HAZARDOUS MATERIALS RESTRICTED ROUTES

Summary of Proposed Changes

ROUTES	CURRENT RESTRICTIONS									PROPOSED CHANGES								
	CLASS NUMBERS									CLASS NUMBERS								
	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
1	Full Class		Full Class				Full Class	Full Class		Full Class					Partial Class	Other Regulations Apply		
2	Full Class		Full Class				Full Class	Full Class		Full Class	Full Class	Full Class	Full Class	Full Class	Full Class	Other Regulations Apply	Full Class	Full Class
3	Full Class		Full Class							Full Class	Full Class	Full Class	Full Class	Full Class	Full Class	Other Regulations Apply	Full Class	Full Class
4	Full Class		Full Class							Full Class	Full Class	Full Class	Full Class	Full Class	Full Class	Other Regulations Apply	Full Class	

-  No Restrictions
-  Full Class
-  Partial Class (see note below)
-  Other Regulations Apply (see note below)

**NOTE: For Partial Class and Other Regulations Apply, there are no recommendations with respect to transportation of Class 6.2 (Infectious Substances) or Class 7 (Radioactive Materials) as they have other regulations that apply. Generally, the transportation of Class 6.2 and Class 7 material is rigorously controlled and subject to strict restrictions.*

- 1** Ambassador Bridge [Detroit] from Porter Street to Canada [Windsor]
 ADDITIONAL RESTRICTIONS OR COMMENTS: Require escort(s) for Classes 2-6.1 and 8-9; subject to further restrictions.
- 2** Windsor Tunnel [Detroit] from Jefferson Avenue to Canada [Windsor]
 ADDITIONAL RESTRICTIONS OR COMMENTS: Prohibit all placarded vehicles.
- 3** M-10 [Lodge Freeway] from Howard Street to Woodward Avenue [under Cobo Hall (approximately 1 mile)]
 ADDITIONAL RESTRICTIONS OR COMMENTS: Prohibit all placarded vehicles.
- 4** M-10 [Lodge Freeway] from 8 Mile Road (South) to Wyoming Road
 ADDITIONAL RESTRICTIONS OR COMMENTS: None.

HAZARDOUS MATERIALS

Classes and Divisions

CLASS OR DIVISION	HAZMAT TYPE/CHARACTERISTIC
1	EXPLOSIVES
1.1	Explosives with mass explosion hazard
1.2	Explosives with projection hazard
1.3	Explosive with mass fire hazard
1.4	Explosives with minor hazard, such as ammunition or consumer fireworks
1.5	Very insensitive (chemically stable) explosives, such as blasting agents
1.6	Extremely insensitive detonating substances
2	GASES
2.1	Flammable Gases
2.2	Non-flammable, nonpoisonous, non-toxic compressed gas
2.3	Poisonous Gases (Toxic – by inhalation)
3	FLAMMABLE LIQUIDS (includes COMBUSTIBLE LIQUIDS)
4	FLAMMABLE SOLIDS AND REACTIVE SOLIDS/LIQUIDS
4.1	Flammable Solids
4.2	Spontaneously combustible materials
4.3	Dangerous-when-wet materials
5	OXIDIZERS AND ORGANIC PEROXIDES
5.1	Oxidizers
5.2	Organic Peroxide
6	POISONOUS (TOXIC) MATERIALS AND INFECTIOUS SUBSTANCES
6.1	Poisonous (Toxic) Materials
6.2	Infectious Substances
7	RADIOACTIVE MATERIALS
8	CORROSIVE MATERIALS
9	MISCELLANEOUS MATERIALS/DANGEROUS GOODS

Hazardous materials are categorized in nine specific classes. Each class is based on various characteristics of the substance or material, such as physical state and risk potential. Classes are further delineated into divisions, allowing for more detailed specification of the materials or substances.

PUBLIC COMMENTS

Members of the public are encouraged to furnish comments to MDOT at the public hearing or in writing, summarizing a substantive and factual basis for support or opposition.

For consideration in the final determination, written comments must be received on or before May 27, 2013. Submit comments to:

Robert H. Parsons
Public Involvement and Hearings Officer
MDOT Bureau of Highway Development
P.O. Box 30050
Lansing, MI 48909

E-mail: parsonsb@michigan.gov
FAX: 517-373-9255



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Public Hearing, April 25, 2013