



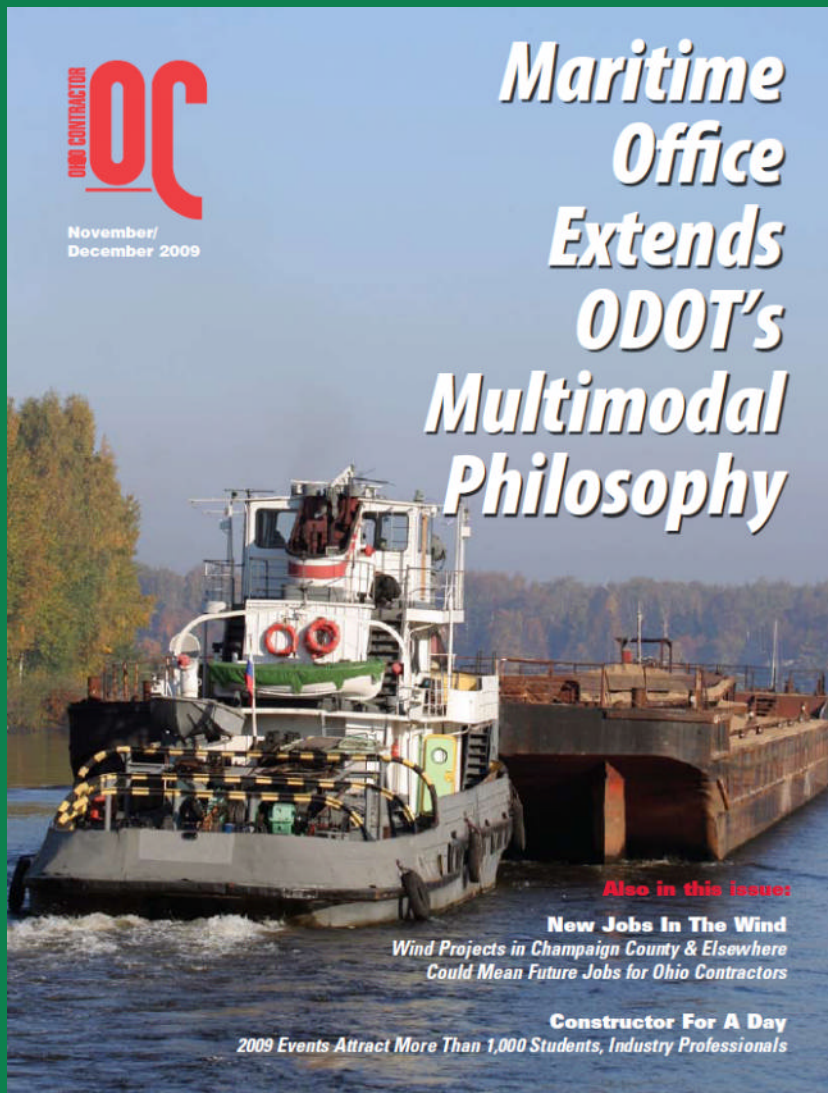
OHIO DEPARTMENT OF TRANSPORTATION

JOHN KASICH, OHIO GOVERNOR

JERRY WRAY, ODOT DIRECTOR



Ohio's Maritime Transportation System



"It's hard to believe that until recently ODOT didn't have a Maritime presence"



Ohio Contractors Magazine Feature Story Nov/Dec 2009



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Ohio's Maritime Transportation System

"Linking Ohio to the World"



- Ohio is a **Maritime State!**
- **Why Maritime Matters**
- **ODOT Maritime & Freight Mobility**
 - Accomplishments = Results over Resources
 - Relationships (Port Authorities , Contractors, Local, State, Federal Agencies)
- **Challenges and Opportunities Going Forward**



Maritime Portfolio



In the past three years ODOT Maritime and Freight Mobility has brought to fruition more the **\$110 Million in publicly funded marine infrastructure projects** to Ohio. **The total cost of these projects to ODOT's operating and construction budget – nothing...**

- \$41 M Maritime Infrastructure construction & oversight
- \$6 M FHWA Ferry Boat Discretionary
- \$13.5 M Earmarks
- \$2 M US Maritime Awards
- \$47.5 M Logistics & Distribution
- \$253 K FEMA National Port Security

Total **\$110 Million**

Project Types:

5 - Freight Roads
10 - Cranes & Conveyors
6 – Freight Rail Projects
7 – Terminal & Support Buildings
3 – Site Preparation
2 – Docks/Ramps
All - Homeland Security

*** Dollar amount shown above does not reflect P3 money in maritime projects.**

****This dollar amount does not include research and freight studies & Jobs & Commerce**





Ohio is a Maritime State!



Great Lakes and Ohio River



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Lake Erie Ports Provide Access to the Atlantic Ocean – shortest route to Europe & Canada



Import and export capabilities to world markets



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River Terminals Provide Ohio Business's with Access to the Gulf and Pacific Ocean via the Panama Canal

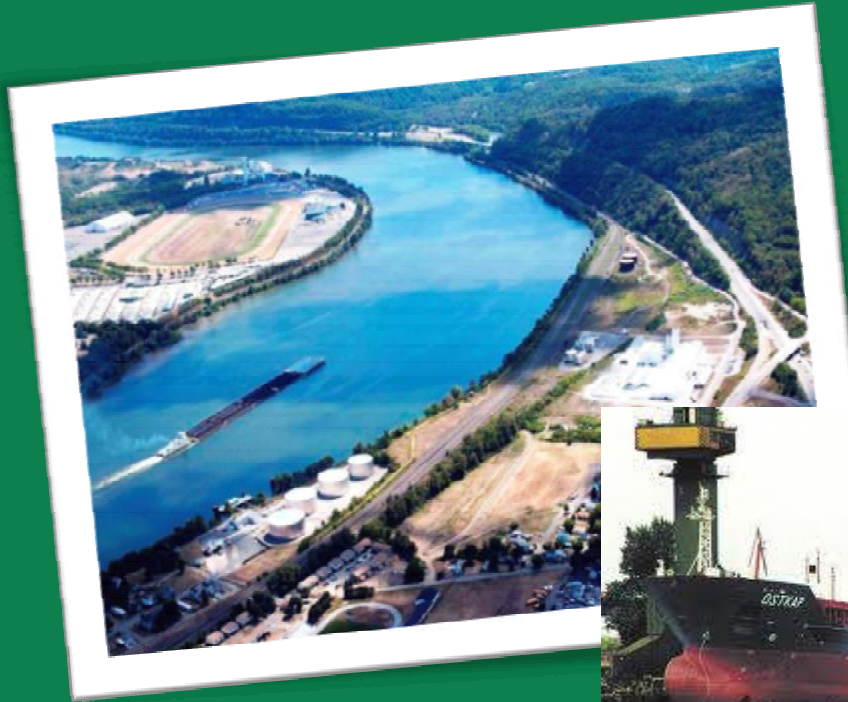


Inland waterway traffic through the heartland



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Why Promote Shipping via Ohio's Waterways?



Waterborne freight provides Ohio industry **cost effective** access to global & domestic markets – *“trucks and trains can’t get to or from Europe, Asia, or South America....”*

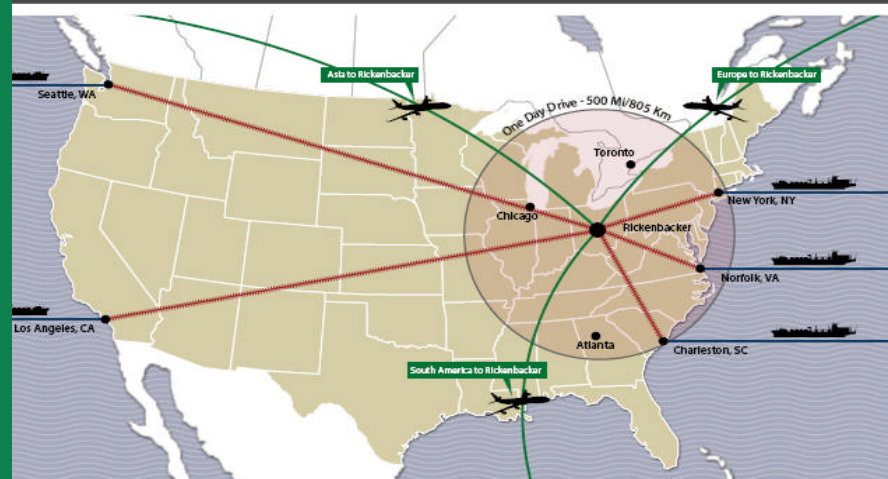


Why Promote Shipping via Ohio's Waterways?

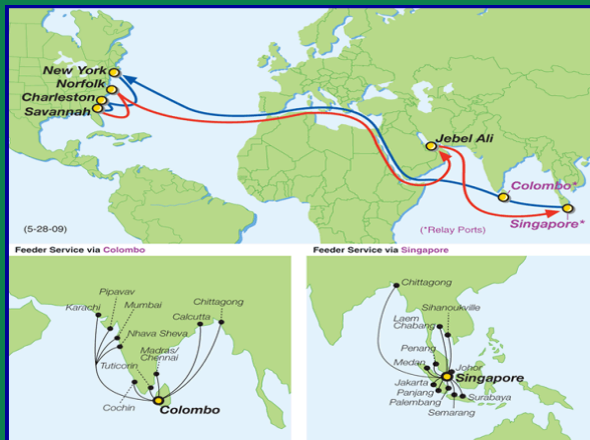


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The Global Supply Chain has Changed



- Panama Canal Expansion 2014 and Suez Canal offers shortest routes to US Population Centers



Why Ship via Ohio Waterways?



National Freight Congestion is an opportunity for Ohio to expand waterborne transportation

Increases in freight demand

- Double stacking rail routes (Heartland Corridor / National Gateway) – connections to east coast ports
- More lanes on the highway system
- Post-Panamax ships carrying more containers per ship
- National initiatives to double US exports in the next 5 years

- **What else can we leverage? Water...**

- Capacity: US waterways currently operate at only 30%
- Ohio can position itself for imports/exports by leveraging its maritime assets



Water Use Eases Congestion



Ohio waterways move more tons of freight than truck or rail.

Our waterways carry the equivalent of 58 million highway truck trips per year. Moving freight tonnage to water helps to preserve the highway system.

If waterborne cargo were diverted to highway or rail:

- Truck traffic would **double** on the Interstates
- Rail tonnage would increase 25%



Water Transportation = Congestion Relief



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Cross Lake Freight Short Sea Shipping Opportunities

Ferry Service is part of the FHWA National Highway System under US Title 23 Section 129

Canada



Old concept new desire



SDFO



US



Why Promote Shipping Cross Lake Commerce?



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Ohio's Moving Bridges

Ohio's Lake Erie and River ferry boat lines move over one and a half million passengers, 250K vehicles and hundreds of thousands of freight tons of cargo per year. "Ohio's Moving Bridges"

Cross Lake Ferries



250,000 vehicles/year cross the lake



Ohio River Ferries



34,000 vehicles/year cross –
Brown County, Ohio Terminal &
Landing Improvement Project



Ohio Waterways Move Vehicles & Freight



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Ohio Water Moves Freight...

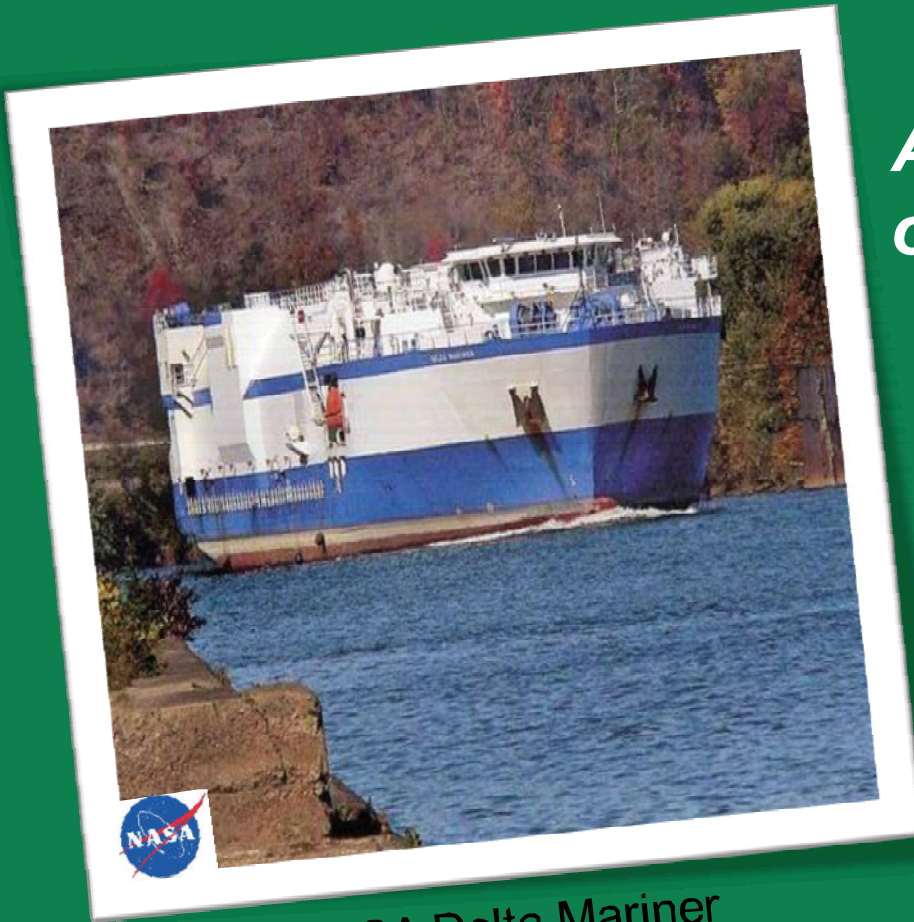


*An Ocean Vessel
on the Ohio River!!*

Columbiana Wellsville Facility



Rail/Road/Water Facility



NASA Delta Mariner



Why Promote Shipping via Ohio's Waterways?

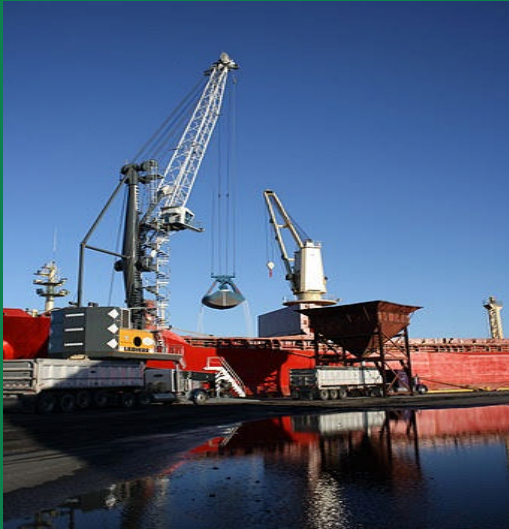


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Accomplishments

Equipment & Cranes

Toledo - Twin Mobile Harbor Cranes



Largest, most productive
on the Great Lakes

Toledo - Material Handler



Largest most productive

Wellsville – Bridge Crane Extension Project



Full movement between
Rail/Road/Water



Accomplishments and Ongoing Initiatives



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Cleveland Ship Building and Repair

"The Second Largest in the Western Hemisphere, the Largest on the Great Lakes and the **third largest lift in the World**"

Operational July 2011



770 Ton Travel Lift - Cleveland



US Coast Guard Vessel Repair
Rolls Royce Marine Center
USGS Ships – Research Vessels



Ship Building and Repair



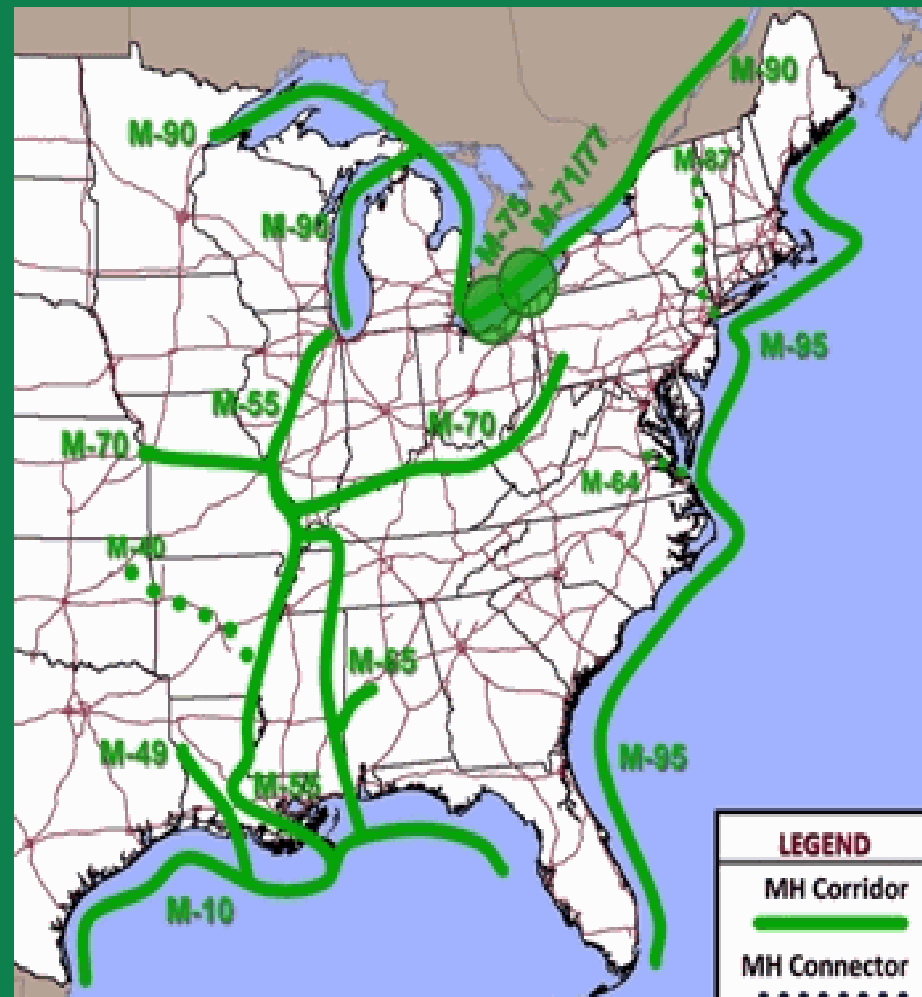
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US DOT's Marine Highways

Ohio is the Lead for Two National Corridors

- The M-70 Corridor includes the Ohio, Mississippi, & Missouri Rivers and spans Pennsylvania, Ohio, Indiana, Illinois, & Missouri, connecting to the M-55 Corridor at St. Louis, MO.
- The M-90 Corridor is the Great Lakes, Erie Canal, & connecting commercial navigation channels, ports, & harbors from Albany, NY to Chicago, IL & Duluth, MN.

More funding directed towards freight & maritime in next T-Bill



Ohio P3 River Accomplishments

Southpoint



Lawrence County – Road/Rail/Water

MPR Trans Load Project



Steel Coils from Beaumont, TX
to Northeast US & Canada
and tubular piping for
Marcellus Shale



Accomplishments and Ongoing Initiatives



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Challenges and Opportunities Going Forward

– Modernizing Port Infrastructure

- System of Locks and Dams at end of design life
- Dredging Crisis on the Great Lakes
- Perceptions about Short-Sea-Shipping and Container on Barge (COB) Feasibility
- Need improved connections to Intermodal facilities
- Over dimensional loads navigating roadway networks
- Preparing Ohio for increased exporting capacity



Dredge Management

A Transportation, Environmental & Economic Development Issue

Contained Disposal
Facilities (CDF)



R&D Activities for Beneficial
Reuse of Dredge Material



Beneficial Reuse of Dredge



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Recap

- ODOT Maritime & Freight Mobility has leveraged **\$110 Million in federal funds for transportation projects** in Ohio
- 100% of projects are P3 partnerships between public & private entities
- Moving freight tonnage to water preserves Ohio's highway system
- Increased efficiencies and lower costs for businesses

Efficient Transportation leads to Ohio being more attractive to business and industry – this means **JOBS!**





END

Ohio's Maritime Transportation System

"Linking Ohio to the World"

