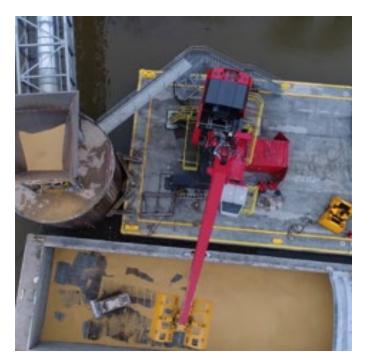
# **OHIO MARITIME PLAN**







**Central Ohio River Business Association Member Meeting October 23, 2025** 





# OHIO'S MARITIME CONNECTIONS

Ohio is situated on **two of America's most significant maritime transportation systems** – the

Great Lakes and the Ohio River – **providing key industries in Ohio with multi-state and multi- national transportation corridors.** 



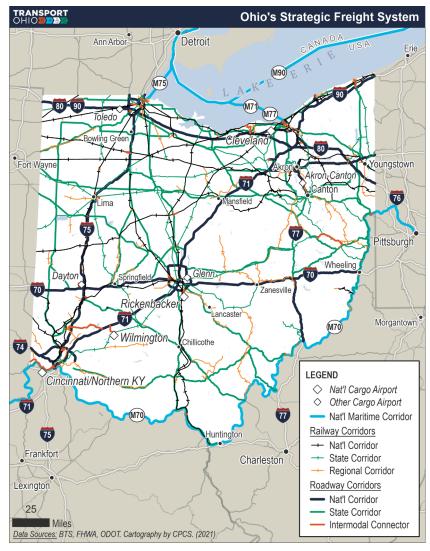




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### **PLAN TASK OVERVIEW**



**History and Current Use** 

Develop a comprehensive history and existing condition analysis of the Ohio MTS.



Evaluate the **economic impact of the Ohio MTS** and **the supply chains** supported by the system.



Understand how the Ohio MTS impacts the environment and vice versa.



**Analysis** 

Inventory and summarize the unique issues and

**opportunities** of Ohio's

MTS.



Action Plan

Provide guidance on how ODOT and its partners can improve the maritime system and better integrate the MTS strategies into existing planning practices.

#### **Stakeholder Engagement**





### **KEY DELIVERABLES**

#### **Ohio Maritime Plan Document**

- Working Papers (on project website)
  - WP 1: Ohio MTS History
  - WP 2: Existing Conditions Analysis
  - WP 3: System Performance Analysis
  - WP 4: Ohio MTS Economic Value
  - WP 5: Key Supply Chains
  - WP 6: Environmental Framework
  - WP 7: Needs Analysis

#### Other Resources

- Port Profiles
- Dredging Spotlight Report
- Funding Resource Guide





# OHIO MARITIME PLAN OBJECTIVES

<b>Objective</b>	- 🚉 - Outcome	
<b>Recognize the owners and operators</b> of Ohio's MTS, their roles and responsibilities, and opportunities for collaboration and partnership.	Active stakeholder engagement	
Inform ODOT on maritime transportation system <b>priorities</b> and opportunities for collaboration.	<ul> <li>Identified system strengths, weaknesses, threats, and opportunities.</li> </ul>	
<b>Demonstrate partner capital and operational needs</b> to maintain and grow Ohio MTS operations.	Established database of capital needs	
Guide the <b>prioritization and implementation of policies and projects</b> that lead to increased reliability, efficiency, and resiliency of Ohio's MTS.	Developed strategic actions	
Identify potential resources to assist partners with planning and implementation.	Developed Funding Resource Guide	
Serve as a resource to <b>educate citizens and decision-makers</b> on the importance of Ohio's MTS.	<ul> <li>Final Plan + other resources, including Port Profiles</li> </ul>	





#### STAKEHOLDER ENGAGEMENT

**Five groups** of key stakeholders, **over 200+** agencies/organizations identified for the project, were engaged through various tactics.









Firms Contacted for Understanding Ohio MTS's Economic Impacts



**14** 

Ports/Port Authorities
Surveyed for Capital
Needs





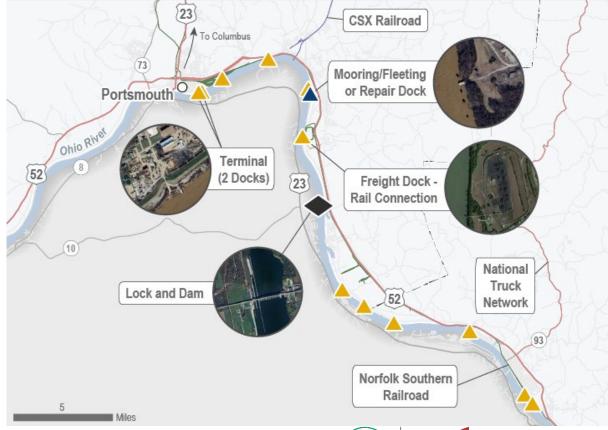
# OHIO MARITIME ECOSYSTEM

A variety of infrastructure on both the river and lakeside is necessary for the efficient operations and movements of goods at the ports and PSAs.

**Lake Maritime Ecosystem** 



**River Maritime Ecosystem** 







# **OHIO MARITIME ASSETS – OHIO RIVER**



Ohio River PSAs



119
Active Freight

**Docks** 



Ohio River
Locks and Dams



Docks with Passenger Service







# OHIO MARITIME ASSETS – LAKE ERIE



9

Lake Erie Freight Ports



75
Active Freight
Docks

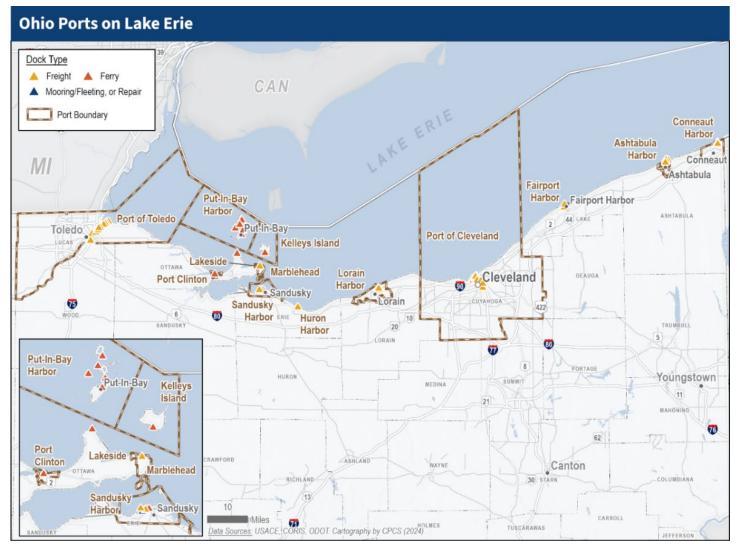


and Dams

**7**GLSLS Locks



Ports with Passenger Service



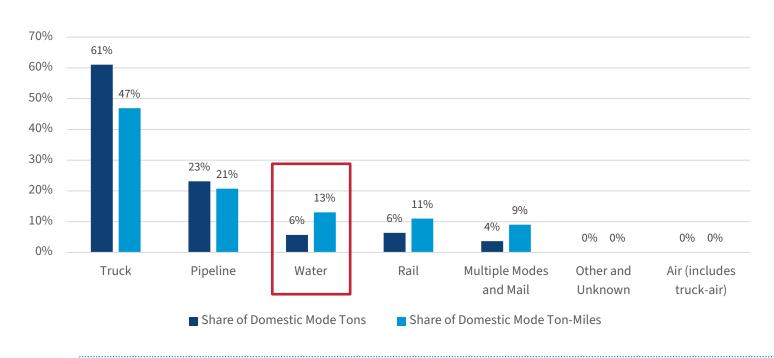




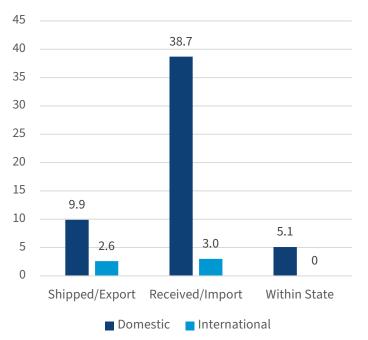
#### OHIO MARITIME FREIGHT MOVEMENT

Ohio's MTS transports **large volumes of goods over long distances domestically**, while the system supports **international import and export**.

#### **Ohio Freight Tonnage and Ton-Mileage by Mode, 2022**



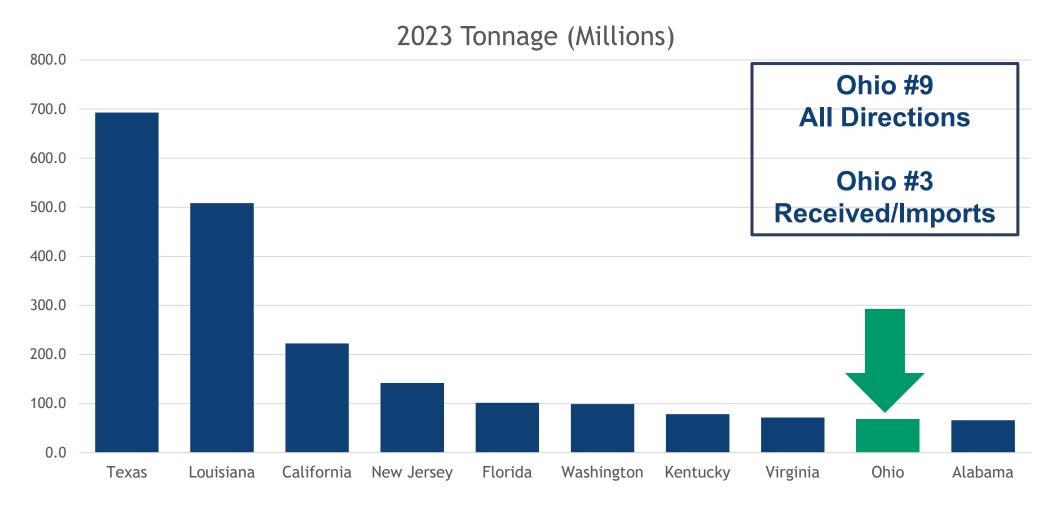
# Ohio Maritime Freight Flow by Direction and Tonnage (Millions), 2022







# **SYSTEM TONNAGE**

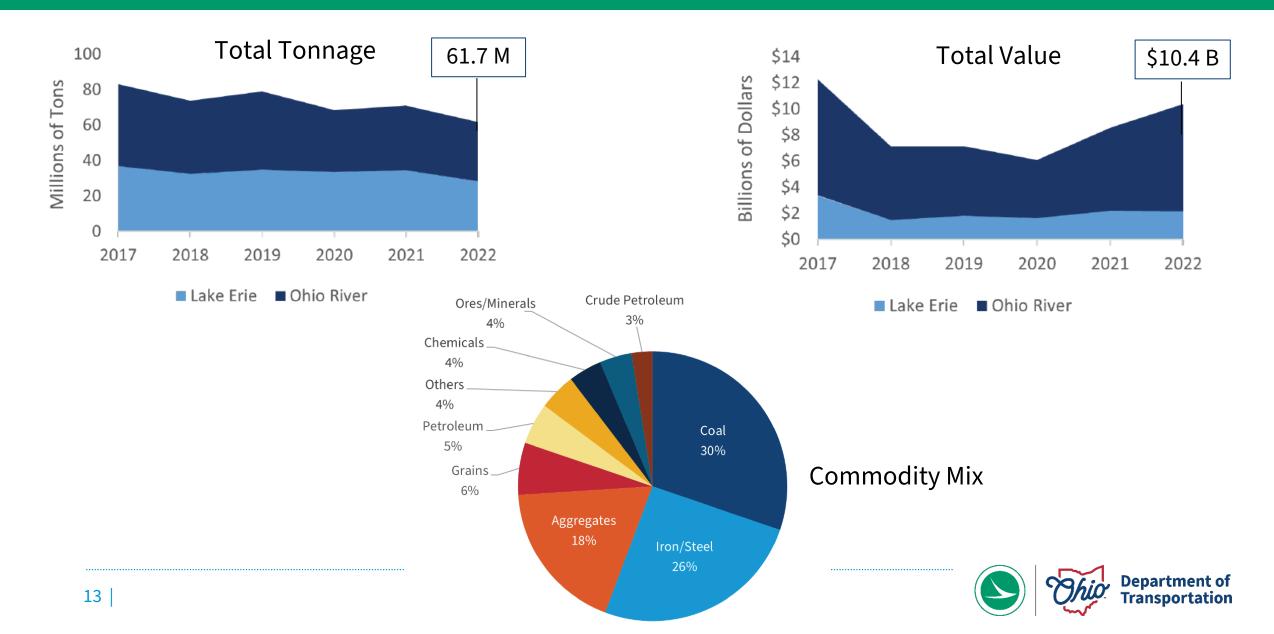


Source: USACE WCSC, CY 2023 Waterborne Tonnage by State





# **SYSTEM TONNAGE AND VALUE**



#### **KEY INDUSTRIES & COMMODITIES**

Ohio's maritime system supports **critical supply chains** that drive the state's economy.

#### **Key Industry Groups**











Advanced Manufacturing

Chemicals, Pharma & Plastics

Construction Materials

Energy

Food & Agriculture

#### **Select Key Commodities**



Iron/Steel

**5,730** Tons **25**%

Share of MTS Tonnage

**\$2.7b** Value



**Coal 18,679** 

Tons

Share of MTS Tonnage

**\$1.25b** Value



**Aggregate** 

**11,260** Tons **18%** 

Share of MTS Tonnage

103m

Value



**Grains** 

,860

S

Share of MTS Tonnage

\$1.03b

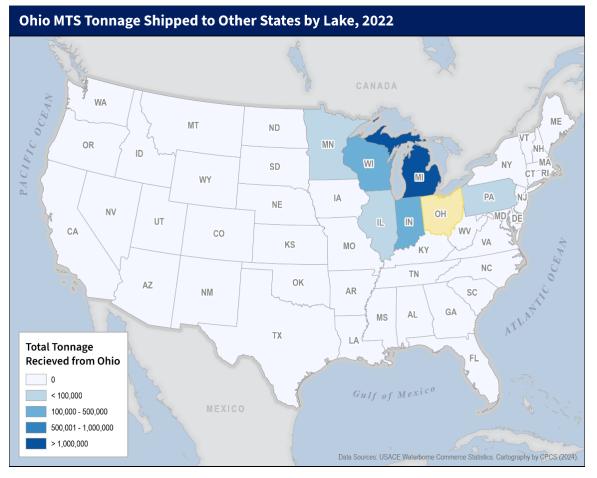
**03b** Value

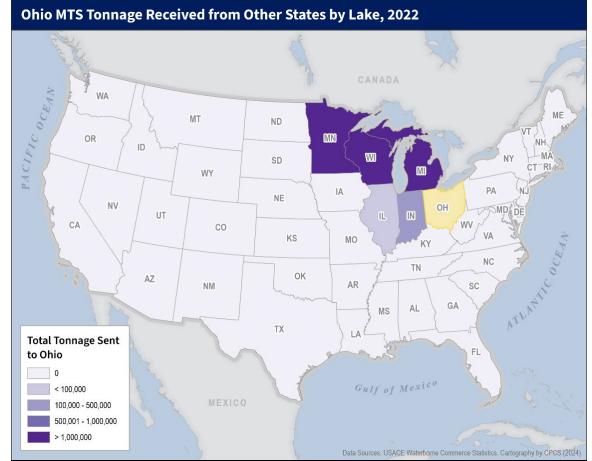




#### OHIO MARITIME KEY TRADE PARTNERS - LAKE

Top Ohio MTS trade partners by Lake Erie are regionally clustered, including **Midwestern states**, **Great Lake states** like Michigan and Indiana, and **Canada and other international destinations**.



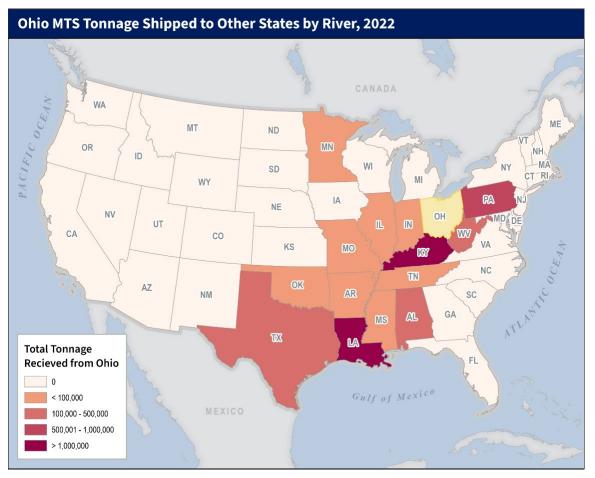


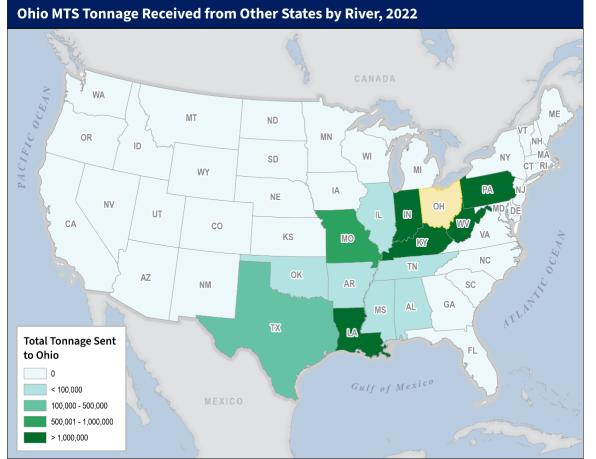




#### **OHIO MARITIME KEY TRADE PARTNERS - RIVER**

Top Ohio MTS trade partners by Ohio River spread across the middle part of the US. The leading trade partner states were Louisiana, Kentucky, Pennsylvania, and West Virginia.









#### **ECONOMIC IMPACT**

By facilitating trade and commerce, Ohio's maritime system **generates jobs**, **attracts business investment**, and **supports economic resilience**.









130,798
Jobs

\$16.7B Economic Revenue (Lake) \$23.2B Economic Revenue (River) \$39.9B
Economic Revenue
(System)

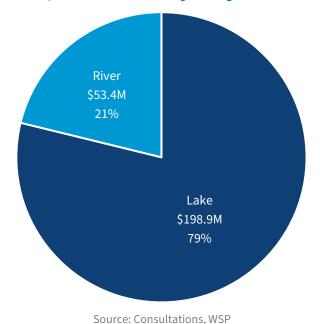




# **CAPITAL NEEDS – PORT/PORT AUTHORITY**

The funding requests include various types of projects, including but not limited to engineering, design, and construction of piers, breakwaters, and other safety infrastructure.

#### **Near-Term Port/Port Authority Project Costs by System**



#### **Port/Port Authority Projects Needs by Type**

Lake				
Project Type	Cost	Percent	Number of Projects	
Terminal	\$122,855,000	63%	19	
Decarbonization	\$38,450,000	20%	2	
Access	\$20,067,157	10%	4	
Dredging	\$9,120,000	5%	4	
Technology	\$3,175,000	2%	2	
Other	\$2,206,000	1%	7	
Lake Subtotal	\$195,873,157	100%	38	
River				
Project Type	Cost	Percent	Number of Projects	
Terminal	\$39,470,000	74%	8	
Other	\$10,000,000	19%	1	
Access	\$3,960,000	7%	3	
River Subtotal	\$53,430,000	100%	12	
State Total	\$252,303,157		50	





# MARITIME ASSISTANCE PROGRAM

#### 2020-2025:

- \$56 million MAP
- \$146 million match
- 24 projects

\$200M+
INVESTED IN
OHIO'S PORTS



















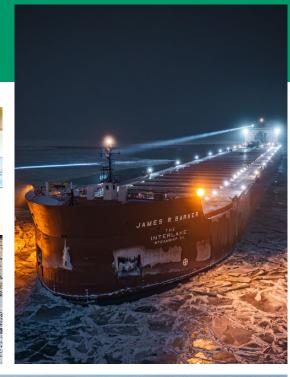




### SHARED SYSTEM CHALLENGES

- Unified Strategic Vision
- Economic Competitiveness
- System Resiliency
- Aging Infrastructure
- Multimodal Connectivity
- Funding
- Quality of Life
- Environmental Stewardship
- Workforce











#### **STRATEGIES & ACTIONS**

#### **Strategy Areas**

- Planning
- Operations & Maintenance
- Innovation & Technology
- Coordination & Partnerships
- System Investment

Aligned with Transport Ohio Recommendations

#### **Access Ohio 2045 Goals**



**Safety** 



**Preservation** 



**Efficiency & Reliability** 



**Mobility & Accessibility** 



**Economic Competitiveness** 



**Quality of Life** 



**Environmental Stewardship** 





#### **PLANNING**



Promote the development of Ohio's ports and maritime infrastructure to ensure the efficient movement of goods and bolster economic growth.



Provide guidance to federal and state officials on matters related to Ohio's maritime and related industries, ports, and waterways.



Promote maritime system safety and environmental sustainability





#### **OPERATIONS & MAINTENANCE**



Support the preservation and improvement of navigation channels and infrastructure



Support the preservation and improvement of port infrastructure, including new equipment for ports to handle diverse cargo



Maintain and improve road and rail connections to ports



Collaborate with Ohio stakeholders to address the maritime industry labor shortage





#### **INNOVATION & TECHNOLOGY**



Collaborate with Ohio dredging stakeholders on dredging research, planning, and best practices for dredging disposal, and port assistance



Support technology to improve port efficiency.



Encourage adoption of cleaner and alternative fuel vehicles for goods movement, including trucks, locomotives, and vessels.





#### **SYSTEM INVESTMENT**



Promote investments that grow the economy, improve access to jobs, minimize environmental impact, and align with community values.



Support long, term stable funding for the maritime system.



Provide grant and funding technical assistance.



Continue to advance the Ohio Maritime Assistance Program.





# **COORDINATION & PARTNERSHIP**



Improve coordination for maritime interests and stakeholders



Build awareness of the Ohio maritime transportation system and its benefits



### **WORK PRODUCTS & RESOURCES**

# A series of resources for Ohio MTS's stakeholders:

- Projects Database
- Port Profiles
- Dredging Spotlight Report
- Environmental Framework Report
- Funding Resource Guide

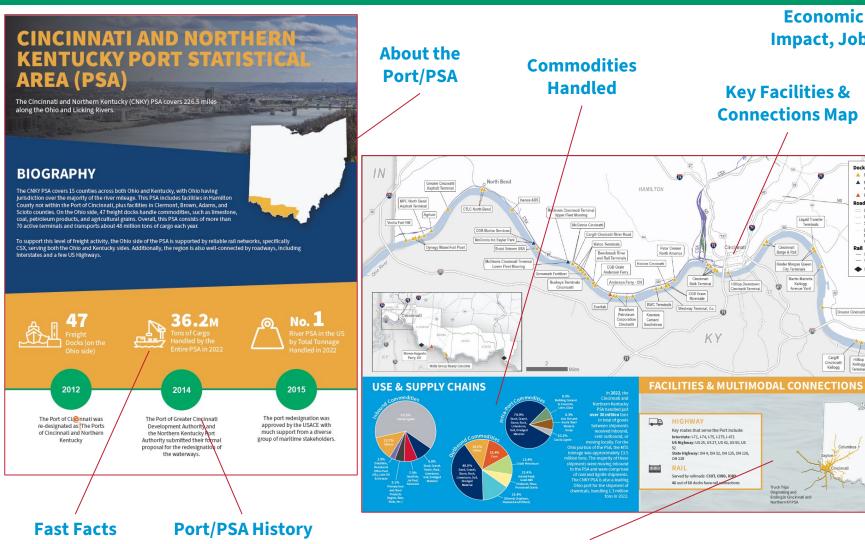


#### **Funding Resource Guide**





#### **PORT PROFILES**



**ECONOMIC IMPACT** 

**Economic** 

**Impact**, Jobs

City Terminals

Freight Docks

▲ Ferry Docks

Interstate

Roadways

or Repair Dock

Local Roads -National Truck Network

or Intermodal Connecto — NS — CSX

In 2022, Intel announced an over \$20 billion state-of-the-art chip manufacturing plant in New Albany, Ohio. A crucial aspect of this project involves transporting oversized and overweight goods from the Ohio River (Adams County), where landside connectivity makes this transfer possible

These "super loads" shipments that weigh as much 900,000 pounds, require complex logistical planning and can take anywhere from 8 to 15 days to travel from the river to the manufacturing facility. ODOT has carefully planned routes for a dozen of



In 2023, the Port of Cincinnati and **Northern KY:** 

Created 2,589 **Direct Jobs** 

Generated \$10.0 Billion **Economic Impact** 

#### INTEL IN OHIO

#### **TOP CAPITAL NEEDS**

The CNKY PSA covers a very large geographic area, where capital needs vary depending on the location of the port and dock facilities. For example, in recent years, OKI Regional Council of Governments has focused capital investments on improving efficiency in the region's maritime system. This includes improvements to install new conveyor belts at Cincinnati Bulk Terminals (CBT), which eliminated the need for multiple trucks per day to transfer bulk commodities from a barge to a rail transload facility. Capital improvements such as this improve safety and efficiency while reducing air pollution and maintenance costs.



Several facility driveways in the OKI region face blockages due to at-grade rail crossings. OKI has an improvement plan identified for several blockages along River Road specifically, Barkley Street, Access Road, Anderson Ferry Road, and the driveway at 5300 River Road. Funding of over \$6 million was secured in 2022 for the project from the FRA's Consolidated Rail and Infrastructure Safety Improvements Program. Safety signals and equipment are set to be installed at these crossings to modernize and improve the safety of the crossings. Work on this project is expected to be completed in 2025.

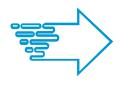
#### **Capital Needs (as provided)**



**Port/PSA Reach within Ohio** 

#### **NEXT STEPS**

#### **Next Steps**



**ODOT** to integrate the OMP into the ongoing Access Ohio and upcoming Transport Ohio update



**Ohio Freight Advisory Committee** to serve as the clearinghouse for the recommended actions



ODOT **transportation planning stakeholders** to continue collaborating to improve the safety, capacity, and efficiency of the maritime system





### **PROJECT WEBSITE**

- Project Overview
- Steering Committee
- Deliverables
- Feedback portal

Share with your stakeholders





#### Welcome to the Ohio Maritime Plan



#### About the Ohio Maritime Plan

The Ohio Maritime Plan provides a clear understanding of Ohio's maritime transportation system's use, needs, issues and



#### Working Papers & Materials

A detailed look at maritime transportation in Ohio with working papers, fact sheets and



#### Steering Committee

A statewide consortium of maritime planning, policy, and operations professionals established to provide input on the Ohio



#### Feedback

Includes meaningful engagement of stakeholders and public participation.





### **THANK YOU**