

# M70 – An Inland Intermodal Market Place Global Connector

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# Agenda

- Rahall Transportation Institute
- The Great Waters Maritime Institute
- M70 Marine Highway
- Port of Pittsburgh
- Port of Huntington Tri-State
- Port of Cincinnati
- Port of Louisville
- Port of Mount Vernon
- Inland Intermodal Marketplace
- Marine Highway Technology Consortium
- Next Steps

# Nick J. Rahall, II Appalachian Transportation Institute (RTI)

- A leader in multimodal transportation and economic development in West Virginia and the surrounding 13 state Appalachian Region
- A National University Transportation Center (UTC), RTI is recognized by the U.S. Department of Transportation for transportation excellence focused:
  - Technology
  - Research
  - Education
  - Work Force

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Great Waters Maritime Institute  
A National Maritime Enhancement Institute  
USDOT - MARAD

- ***Mission statement:** To develop livable and sustainable inland maritime solutions*
- ***Vision statement:** Integration of the maritime transportation system into the 21<sup>st</sup> century global logistic supply chain*
- **Goal Area: Marine Domain Awareness**
- **Goal Area: Environmental Solutions**
- **Goal Area: Livable and Sustainable Waters**
- **Goal Area: Public Policy**

# The M-70 Marine Highway

- The USDOT MARAD has designated the Ohio, Mississippi and the Missouri rivers as Marine Highway 70 (M70)
- The Ohio river component of the M70 is a 6 state geographical region
- The widening of the Panama Canal is scheduled for completion in 2014
- The Port of Mobile, AL and the Port of New Orleans, LA are the International Gateway ports for M70
- The increased global demand for petroleum, the increased congestion on US Interstates and infrastructure constraints on the Nation's Railroads the M70 provides a solution to our Nation's impending Freight Crisis
- The Ohio River is the Nation's leader in bulk commodity barge moves
- The Ports of Pittsburgh, Ports of Huntington, Ports of Cincinnati and the Port of Louisville are active bulk commodity freight generators
- These ports are currently served by Rail Intermodal Container service or are scheduled to be served by Rail Intermodal Container service



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## The Port of Pittsburgh - Maritime

### Statistical Port Boundaries

- Ohio River from Pittsburgh, PA to mile 40 (Pennsylvania/Ohio State Line)
- Allegheny River from Pittsburgh, PA to mile 72(to head of project)
- Monongahela River from Pittsburgh, PA to mile 91(to head of project)
- Maintained depth - 9 feet



All Commodities	32,891,355
Coal, Lignite and Coal Coke	25,070,764
Petroleum and Petroleum Products	1,085,293
Chemicals and Related Products	598,213
Crude Materials, Inedible Except Fuels	4,886,693
Primary Manufactured Goods	1,239,316
Food and Farm Products	6,253
Manufactured Equipment, Machinery	4,823
Waste Material; Garbage, Landfill, Sewage Sludge, Waste Water	0

## CSX – National Gateway

- The National Gateway project will improve the flow of rail traffic throughout the nation by increasing the use of double-stack trains, creating a more efficient rail route that links Mid-Atlantic ports with Midwestern markets.

- This award-winning public-private partnership will strengthen our Nation's economy and improve our environment through investment in freight rail infrastructure.

- The National Gateway will create over 50,000 jobs and is supported by a broad and diverse group of 336 public and private sector organizations and individuals, including Big Lots!, UPS and The Limited.

- The National Gateway is expected to cost \$842 million and the public funds committed to the project are matched by \$395 million in private funding.

- Every dollar of public money invested in the National Gateway creates \$35 in public benefits.



## Port of Huntington Tri-State

### Port Statistical Boundaries

- Both banks of the Ohio River from 256.8 to mile 356.8;
- Kanawha River mile 0 to mile 90;
- Big Sandy River mile 0 to mile 9.
- Maintained depth: 9 feet



<b>All Commodities</b>	<b>59,171,545</b>
Coal, Lignite and Coal Coke	44,753,294
Petroleum and Petroleum Products	8,309,154
Chemicals and Related Products	1,542,311
Crude Materials, Inedible Except Fuels	3,887,992
Primary Manufactured Goods	678,794
<b>Food and Farm Products</b>	<b>0</b>
<b>Manufactured Equipment, Machinery</b>	<b>0</b>
<b>Waste Material; Garbage, Landfill, Sewage Sludge, Waste Water</b>	<b>0</b>

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# Norfolk Southern Heartland Corridor

- The Heartland Corridor is a public-private partnership between NS and West Virginia, Virginia, Ohio, and the federal government to create the shortest, fastest route for double-stacked container trains moving between the Port of Virginia and the Midwest.
- The new routing improves transit time between Norfolk and Chicago from four days to three and is nearly 250 miles shorter than previous circuitous routings.
- To achieve that, NS raised vertical clearances on 28 tunnels and removed 24 overhead obstacles on one of its main lines connecting the Mid-Atlantic to the Midwest.
- The route opened for double stack service on September 9, 2010



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## Port of Cincinnati

### Port Statistical Boundaries

- Both banks of the Ohio River from mile 465 to mile 491
- Maintained depth: 9 Feet



<b>All Commodities</b>	<b>11,767,981</b>
Coal, Lignite and Coal Coke	4,246,587
Petroleum and Petroleum Products	1,836,488
Chemicals and Related Products	1,326,985
Crude Materials, Inedible Except Fuels	2,185,733
Primary Manufactured Goods	349,379
<b>Food and Farm Products</b>	<b>1,821,798</b>
Manufactured Equipment, Machinery	1,011
Waste Material; Garbage, Landfill, Sewage Sludge, Waste Water	0

## Norfolk Southern Heartland Corridor “West”

- The Ohio Rail Development Commission (ORDC) recently approved NS' application to proceed with engineering and construction on a Columbus-to-Cincinnati “Heartland Corridor West” extension to accommodate double-stack trains.
- The more than \$6 million project calls for increasing clearances at five locations between Columbus and Sharonville, adding tracks at the Rickenbacker intermodal facility in Columbus.
- The project will be funded by a \$3.6 million American Recovery & Reinvestment Act grant, as well as matching funds from NS and the Ohio-Kentucky-Indiana Regional Council of Governments.



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## Port of Louisville

### Port Statistical Boundaries

- Both banks of the Ohio River from mile 606 to mile 616.
- Maintained depth: 9 feet.



All Commodities	5,352,587
Coal, Lignite and Coal Coke	849,329
Petroleum and Petroleum Products	2,140,016
Chemicals and Related Products	329,365
Crude Materials, Inedible Except Fuels	1,919,165
Primary Manufactured Goods	93,747
Food and Farm Products	12,766
Manufactured Equipment, Machinery	8,199
Waste Material; Garbage, Landfill, Sewage Sludge, Waste Water	0

## CSX Northwest Ohio Terminal

- The Northwest Ohio Terminal facility will be a 185-acre world-class freight distribution hub – and the nerve center of CSX's nationwide intermodal network.

- The terminal will employ more than 200 full-time employees.

- The Northwest Ohio Terminal facility will be one of the most environmentally friendly freight terminals in the country.



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## Port of Mount Vernon

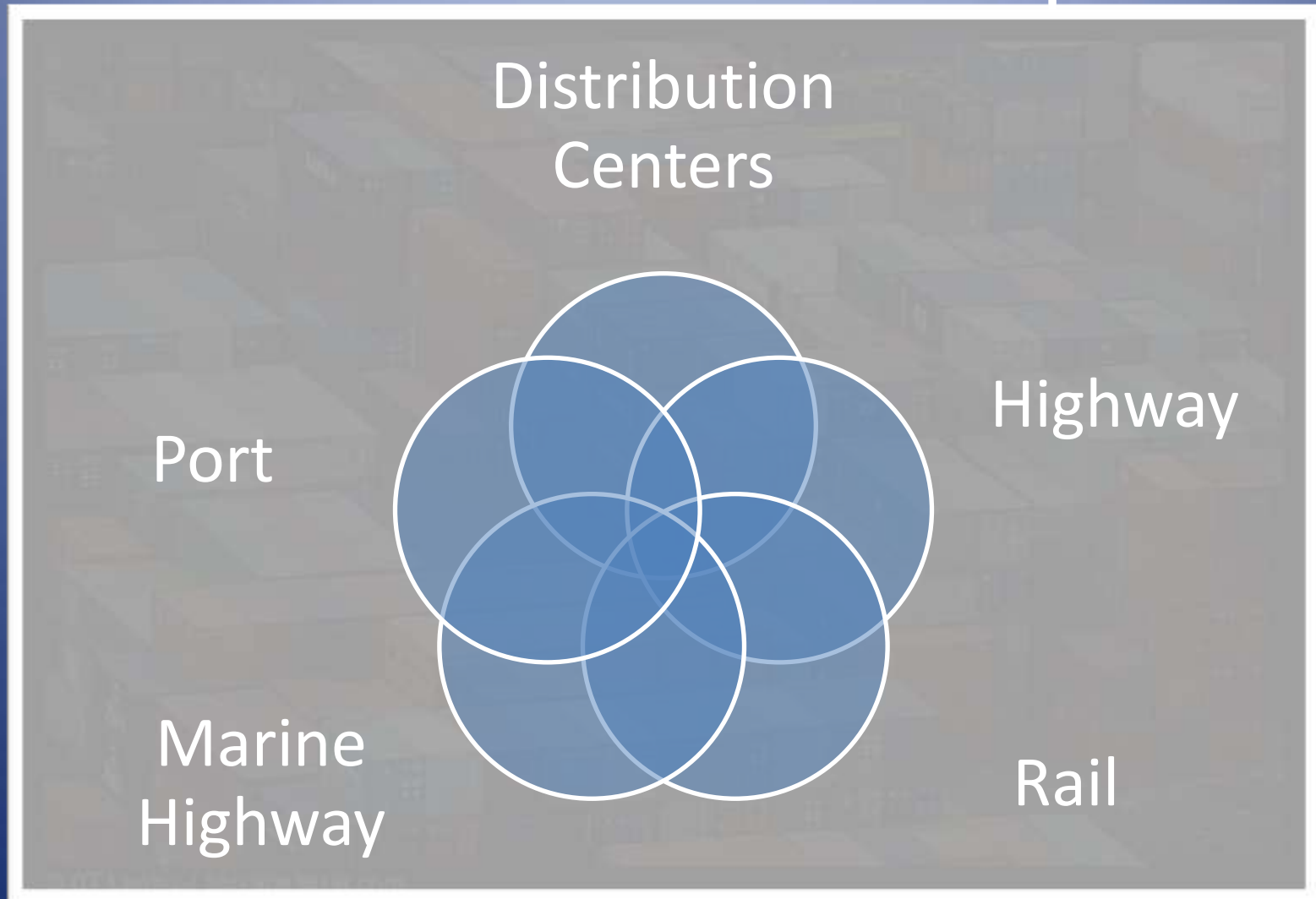
### Port Statistical Boundaries

- Right Bank of Ohio River from mile 151 to mile 154
- Maintained depth: 9 feet



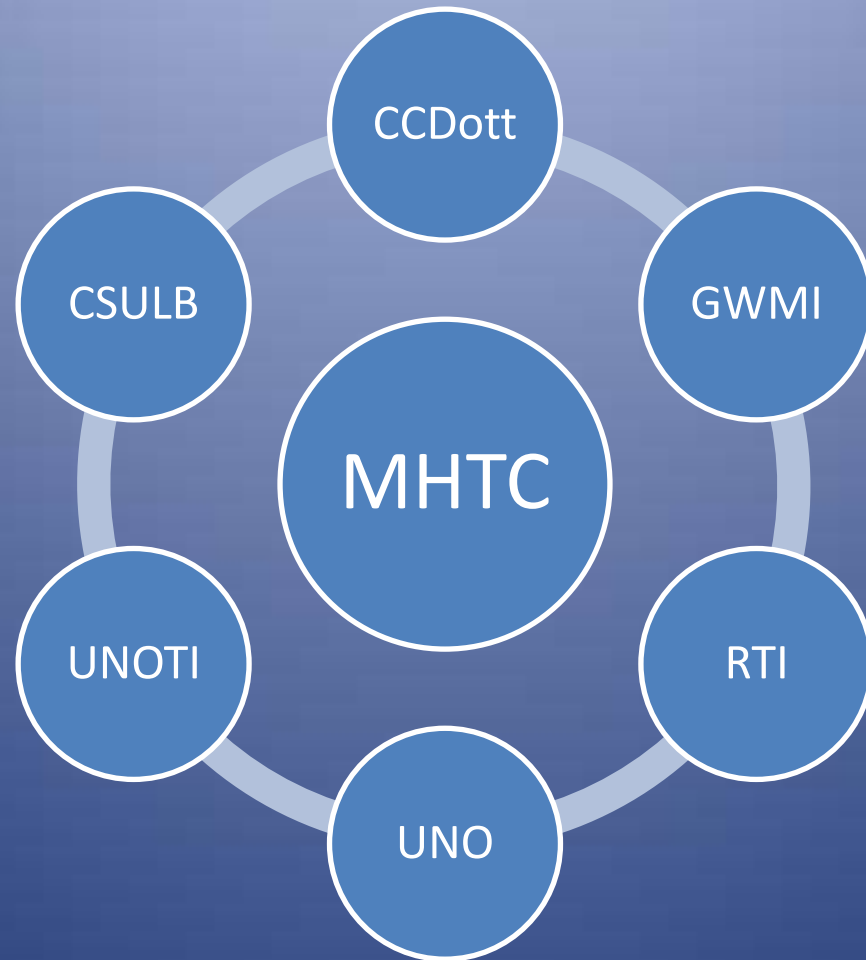
<b>All Commodities</b>	<b>5,554,763</b>
Coal, Lignite and Coal Coke	2,921,544
Petroleum and Petroleum Products	595,887
Chemicals and Related Products	569,365
Crude Materials, Inedible Except Fuels	51,798
Primary Manufactured Goods	239,598
Food and Farm Products	1,170,445
Manufactured Equipment, Machinery	6,126
Waste Material; Garbage, Landfill, Sewage Sludge, Waste Water	0

# M70 Intermodal Marketplace



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# Marine Highway Technology Consortium



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# Path Forward

- Collaboration
  - GWMI
    - MHTC
- Public Private Partnerships
- Organization
  - ORSANCO
  - Ohio River Basin Consortium
  - Ohio River Congressional Caucus

# Path Forward

- Work Plan Development
- Target Funding Opportunities

# Thank You!

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