

The Value of Ohio River Transportation Industry and Economic Impact of the Port of Huntington Tri-State

- ❖ Define the Ohio River Basin from a transportation perspective.
 - The Ohio River Basin to include navigable tributaries is approximately 2,800 miles of navigable waterways
 - There are 55 locks which make this system a year round navigable system.
 - There are nine major USACOE Statistical Inland Port Districts

Ohio River Basin Major Ports 2008 (tons in thousands; values in millions of dollars)							
Port	River Miles	Tons				Commodity	
		Shipped	Received	Intra Port	Total	Value	Top
Huntington	199	45,514	19,506	4,313	69,333	\$5,091	Coal
Pittsburgh	203	11,780	18,528	11,510	41,818	\$3,857	Coal
Cincinnati	27	3,020	10,422	3	13,445	\$1,964	Coal
Louisville	11	593	6,787	56	7,436	\$1,101	Petroleum
Mount Vernon	4	4,185	1,024	0	5,209	\$712	Coal
Nashville	13	327	2,987	0	3,314	\$716	Aggregates
Chattanooga	18	361	1,870	0	2,231	\$686	Aggregates
Guntersville	6	212	1,523	8	1,743	\$284	Grain
Knoxville	9	0	210	0	210	\$69	Petroleum
Source: U.S. Army Corps of Engineers Waterborne Commerce Statistics							

- Tonnage and Value per Congressional District

Top Ten Outbound Barge Tonnage Shipped By Congressional Districts – 2008 (values in millions of dollars)			
Shipments by	Tons*	Value*	Top Commodity
Kentucky 1 st	41,423,269	\$2,504	Coal
Illinois 19 th	27,140,579	\$1,278	Coal
West Virginia 3 rd	24,500,221	\$1,660	Coal
Kentucky 4 th	23,590,891	\$2,286	Coal
Louisiana 3 rd	19,674,025	\$3,695	Iron/Steel
Ohio 6 th	17,863,043	\$1,607	Coal
West Virginia 2 nd	15,624,794	\$765	Coal
Pennsylvania 12 th	15,348,912	\$608	Coal
Pennsylvania 12 th	14,315,666	\$731	Coal
Illinois 12 th	10,558,586	\$1,420	Coal
Source: U.S. Army Corps of Engineers Waterborne Commerce Statistics			

Top Ten Inbound Barge Tonnage Shipped To Congressional Districts – 2008 (values in millions of dollars)			
Shipments to	Tons*	Value*	Top Commodity
Ohio 6 th	\$27,036,742	\$3,473	Coal
Louisiana 3 rd	\$23,888,150	\$2,425	Coal
Kentucky 4 th	\$20,447,696	\$2,807	Coal
Indiana 9 th	\$19,293,829	\$1,073	Coal
West Virginia 1 st	\$14,178,755	\$880	Coal
West Virginia 2 nd	\$13,848,757	\$1,062	Coal
Pennsylvania 4 th	\$13,588,843	\$1,267	Coal
Ohio 2 nd	\$12,724,965	\$501	Coal
Tennessee 8 th	\$12,680,508	\$749	Coal
Kentucky 3 rd	\$9,634,253	\$912	Aggregates
Source: U.S. Army Corps of Engineers Waterborne Commerce Statistics			
* - Includes Intra District Shipments			

- ❖ The Port of Huntington Tri-State is the largest inland statistical port in the US and is the 8th largest US Port in terms of tonnage.
 - There are over 12,000 workers working in Federal Regulated Maritime Facilities through – out the Port system.
 - 69 million tons of cargo move through the Port annually:
 - 60 % coal, 30 % petroleum/ chemical products, 10% other products;
 - The Port is home to the largest inland oil refinery in the US
 - The Port system is served by 3 US Interstate highways
 - 2 Commercial Airports
 - 2 Class One Railroads: CSX and Norfolk Southern
 - The Norfolk Southern Heartland Corridor a recently completed double stack cleared intermodal rail corridor provides on dock rail service at the Port of Virginia's Norfolk Intermodal Terminal.
 - A new inland intermodal rail terminal is soon to be under construction at Prichard, WV

- ❖ Inland Navigation Green, Safe and Security (Source: American Waterways Operators and the Texas Transportation Institute)
 - GREEN
 - 1 barge has 15 times the capacity of one rail car and 60 times the capacity than one semi trailer truck
 - Miles per gallon carrying one ton of freight
 - Barge 526
 - Rail 413
 - Truck 155
 - Tons of CO2 per ton mile
 - Barge 19.3
 - Rail 26.9
 - Truck 71.6

❖ SAFE

➤ Ratio on Inland Navigation Fatalities

- Barge 1
- Rail 22.7
- Truck 155

➤ Ratio to Inland Navigation Injuries

- Barge 1
- Rail 125.2
- Truck 2171.5

❖ PORT SECURITY

➤ Inland Navigation is Secure

- Vessel Security Plans
- Facility Security Plans
- Transportation Workers Identification Credentials
- MARSEC Facilities

➤ Stove piping of Port Security Plans

- Horizontal Fusion
 - ◆ River Information System
 - ◆ The Great Waters Maritime Institute @ Marshall University

❖ Plugging the Ohio River into the 21st Century Global Economy

- Project Funding - Maritime
 - ◆ Department of Defense, United States Army Corps of Engineers Water Resource Development Act (WRDA)
 - 1 year funding cycle
 - ◆ Department of Transportation, Surface Transportation Bill
 - 6 year funding cycle
- From a State Department of Transportation Perspective
 - Highway Dominate Agency
 - 6 year planning horizon for surface transportation projects
 - View USACOE as a regulatory agency not necessary as a transportation partner
 - A really challenge to integrate Maritime Transportation
 - Planning into the State DOT
- US Department of Transportation Marine Highway Program
 - Reduce Freight Congestion on Highways
 - M70 – Ohio River Designation
 - Global Logistic Inland Intermodal Marketplace
 - ◆ Louisville
 - ◆ Cincinnati
 - ◆ Huntington
 - ◆ Weirton/Pittsburgh

- The Great Waters Maritime Institute @ Marshall University
 - ◆ National Maritime Enhancement Institute
 - ◆ Program Areas
 - ◆ Marine Domain Awareness
 - ◆ Urban Waters
 - ◆ Environmental Solutions
 - ◆ Public Policy
 - ◆ Inland Maritime Center of Excellence

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