

64 Express

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64 Express



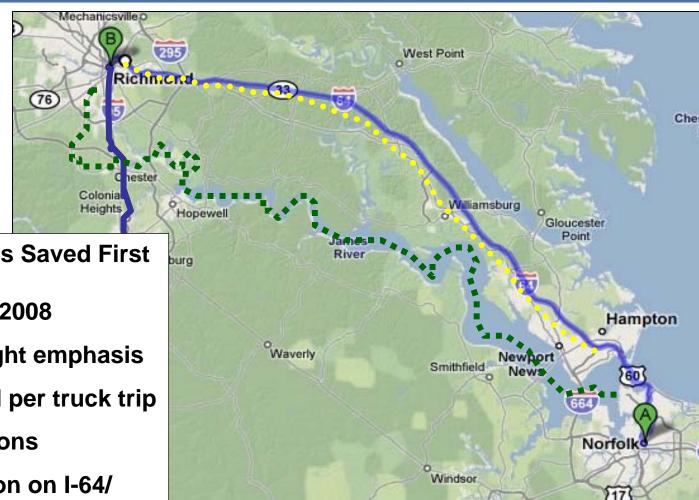
- Owned and Operated by James River Barge Line, LLC, a Norfolk Tug Holding
- Virginia's Green Transportation Solution





64 Express Route



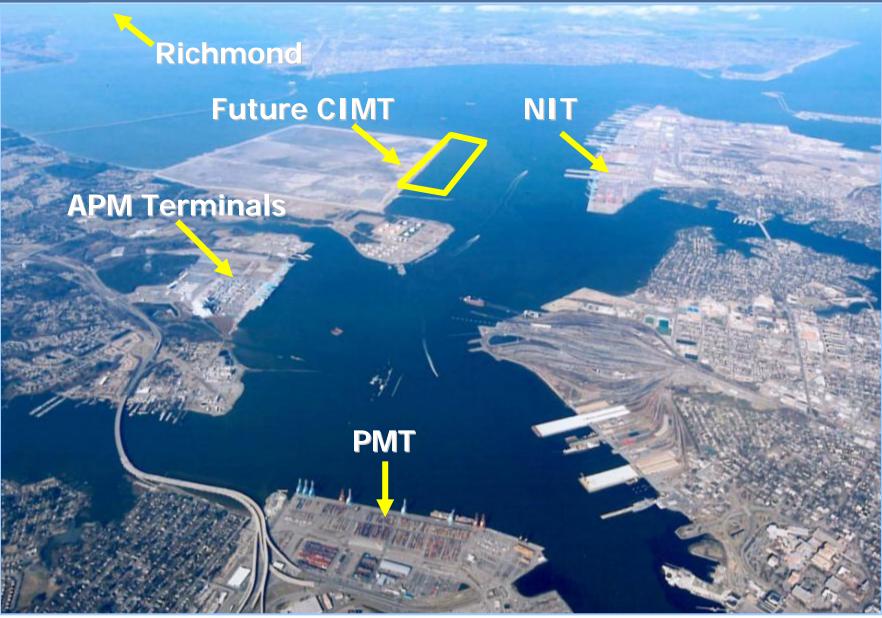


- 12,000+ Truck Trips Saved First Year of Operation Service began 12/2008
- Oversize/Overweight emphasis
- 30+ gal. fuel saved per truck trip
- Emissions reductions
- Relieves congestion on I-64/ Hampton Blvd
- Public/Private Partnership-\$2.3m from Richmond MPO



Convenient Access to Shipping Lines





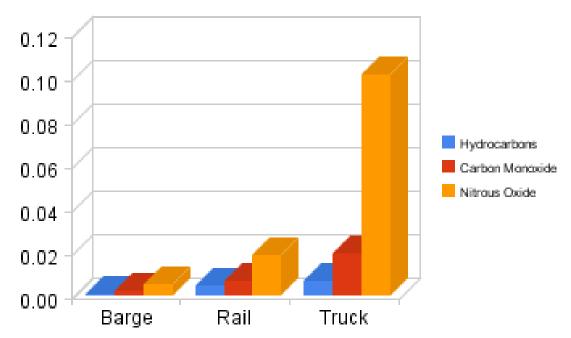


Why The 64 Express Makes Sense



- Environmental Responsibility
 - Tugs used in Barge operation burn ultra low sulfur fuel
 - Reducing road traffic reduces hydrocarbons and Nitrogen Oxide emissions
 - Every container moved via barge reduces diesel fuel consumption by 31 gallons

Pounds of Emission Per Ton Mile





Hampton Roads Gateway & Corridors





2005: 2 Million TEU 2020: 4.4 Million TEU 120% Increase in 15 years = 2.4 Million more TEU, or about

1.4 Million More Truckloads in 2020



Current Challenges & Issues



- Economy: International trade drives the U.S. economy but congestion represents a serious impediment. Transportation should enable trade.
- Environment: transportation produces 33.8 percent of U.S. carbon monoxide fossil fuel emissions. From 1990 to 2003, transportation greenhouse gas emissions increased more than twice that of any other sector.
- Energy: Gas prices reached \$4.00 per gallon.Gas prices are once again increasing



Advantages of the Marine Highway



- Gridlock: A single vessel can shift over 450 trucks or 225 rail cars from road and rail corridors to underutilized waterways.
- Environment: On average, inland vessels generate 38% less greenhouse gases than truck and 28% less than rail per ton-mile.
- Energy: Inland vessels move one ton of freight 370% further than trucks (576 miles compared to trucking 155 miles) and 139% further than rail's 413 miles.
- Safety: Inland marine transportation is by far the safest versus truck or rail.



Virginia's Highways





OF A

Mitigating Road Construction Cutbacks



Funding is tight and we struggle as a country with an increasingly aged and therefore demanding infrastructure.

The 64 Express comes just in time to allow a mode shift from truck to barge and that shift will help reduce highway congestion between Richmond and Hampton Roads.

Intra-Harbor Barge Service





Environmental Defense Fund





level ozone.

In it's first year of operation the 64 Express outpaced expectations by 60%

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aned to trucking, every container moved by barge eliminates around 25 gallons of

• Once the service begins three-days-a-week operation, fuel savings will be much higher.

Funding

The 64 Express is supported through a grant from the Richmond metropolitan planning



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