Thoughts Regarding Freight Systems Improvements and the Maritime System
How will we live?

See any trucks, railcars, barges or planes?
Consumers Need Stuff..
What do you drink everyday?

- When do you expect to get this?
- Where do you expect to get this?
- How much are you willing to pay in time or money to get it?
- What are your expectations about that product?
Forecasted Traffic in U.S. Freight Analysis Framework

- Truck
- Rail
- Water
- Other

Projected Population CAGR

- Red: Less than 0.0%
- Yellow: +0.1% - +1.0%
- Green: Over +1%

Based upon projections from Census Population Data Centers in each state. US Census projections were used in ND, SD and WY.
Comparison of Estimated Peak Period Congestion – 2002 - 2035
Forecast of Freight in U.S. (Tons)
The Implications of Freight Project Improvements

**Good**
- Access to better jobs or services
- Travel choice flexibility
- Access to markets
- Workforce development
- Taxes
- Civic pride

**Bad**
- Congestion
- Emissions
- Safety
- Free Rider problem
- Who really bears costs of transportation
How are these in Your TIP?

- Congestion and bottlenecks
- The Economic Future
- Changing U.S. policy towards trade or the environment
- Shifting Trade Patterns
- Foreign Direct Investment trends
- Security - Transparency
Three Options Exist:

- Build (improve) freight system capacity
- Increase Efficiencies and Operations
  - Seamless transfer, multimodalism, reduce congestion
- Create or Support emerging transportation options (thinking outside the box)
  - Marine Highways
  - Logistics Centers and value added
The Maritime Sector’s Role in Freight Movement

Domestic Systems
• Latent capacity
• Environmental benefits for cargo
• Reliability issues on channels, locks/dams
• Scale = small, fragmented

Coastal Systems
• Pass through function
• Development challenges
• Environmental pressures (domestic/ international)
• Scale = large, concentrated
Both Contend With:

- Civic pride and City-Port issues
- Ownership issues (private, public terminals)
- Economic development needs
- Communicate value
- Competitive industries
- Land Use planning
Are We Prepared?

Without Planning This Would Have Been a Mess
Do Stovepipes Cripple Freight Improvements?

- Planning
- Project Approval
- Funding
- Implementation

- Each mode, jurisdiction has different criteria, timelines, qualifications, etc.
Some Closing Thoughts...

- Improving transportation different from past
  - Traffic growing on aging facilities
    (but money for projects is not)
  - Need to consider all modes for cargos
  - System’s use not fully understood or appreciated
  - Emerging pressures outside of traditional planning process exist

- Goods movement = jobs

- Is Marine Transportation in your TIP?
Thank you

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