American Marine Highways

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Totem Ocean Trailer Express
The Dream

• To see Marine Highways as an integral and vibrant part of the US Surface Transportation System

• History
  – Maritime Nation
  – Continental Rail
  – Interstate Roads
The Reality

- “Build it and they will come” does not work
- Congestion is not yet bad enough to create necessary demand
- Many have tried
  - SeaBridge
  - The Albany Service
  - AFL
Create Demand

• Better, Faster, Cheaper
• MH needs to be viewed as competitive with road and rail in order to achieve modal shift
• MH Advantages:
  • Safety
  • Congestion relief
  • Environmental
• How are these advantages commoditized in order to provide direct benefits to the cargo owners
Last Mile

• One barrier to modal shift is the “last mile” issues
  • Increased number of hand-offs (security)
  • Frequency (convenience)
  • Harbor maintenance tax (cost)
  • Port congestion (time)
Shipbuilding

- Standard ship design, engines & hull forms
- Dual use vessels – ready reserve & commercial
- Dual fuel – IFO, MDO & LNG
North American Emissions Control Area (ECA)

- Requirements
  - 0.1 percent sulfur
- Ways to comply:
  - Blend fuels
  - Scrubbers
  - New fuels
- One solution:
  - LNG ships and tugs
  - Shore side distribution facilities
- Is this a blessing in disguise?
The Future of American Marine Highways