



# American Marine Highways

John Parrott

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

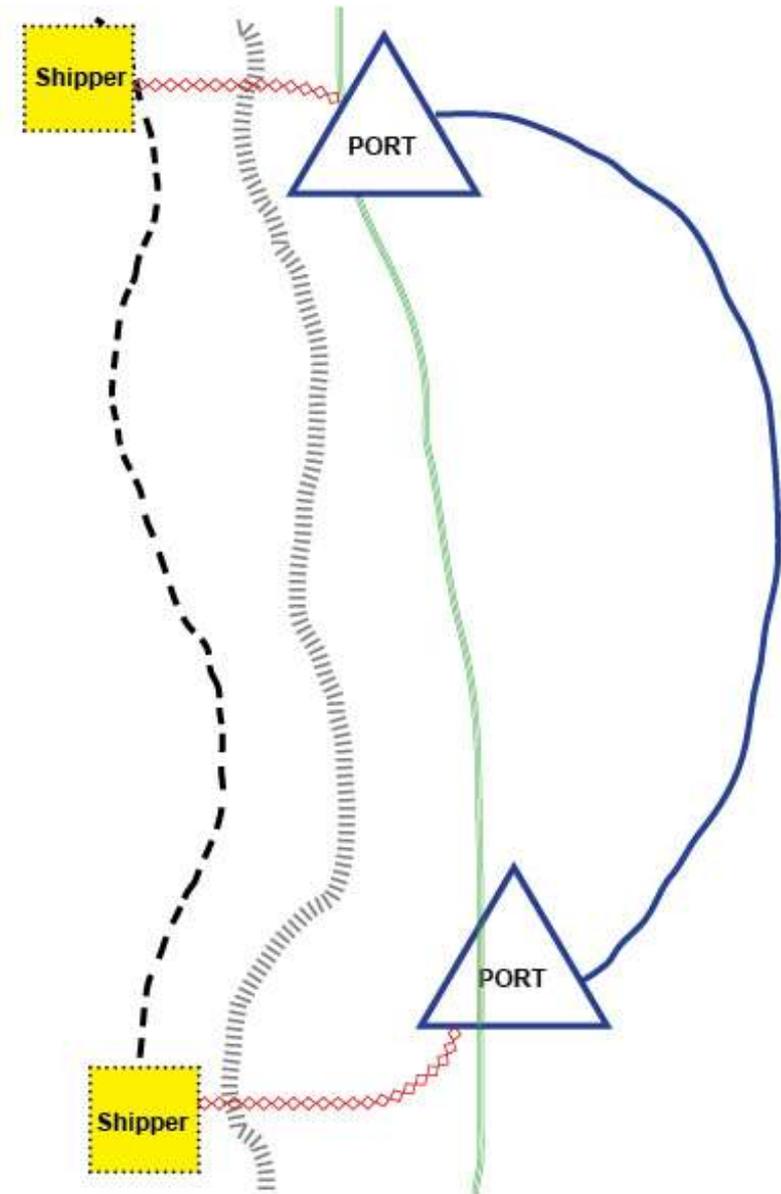
- Better, Faster, Cheaper
- MH needs to be viewed as competitive with road and rail in order to achieve modal shift
- MH Advantages:
  - **Safety**
  - **Congestion relief**
  - **Environmental**
- How are these advantages commoditized in order to provide direct benefits to the cargo owners





# 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

