Preparing for America’s Marine Highway
At the Port of New Bedford

Presentation for the Facilities Engineering Seminar
Wednesday, November 9 2011
New Orleans, LA

Kristin Decas, Port Director
Port of New Bedford, Massachusetts

- 9 Nautical Miles from Cape Cod
- 64 Nautical Miles from Boston (57 road miles)
- 146 Nautical Miles from New York (210 road miles)
Harbor Development Commission (HDC)
52 Fisherman’s Wharf
(Wharfinger Building on Pier 3)
P.O. Box 50899
New Bedford, MA 02745
HDC@newbedford-ma.gov
www.PortofNewBedford.org

Kristin Decas, Port Director & Harbor Development Executive Director

HDC Commissioner:
Mayor Scott W. Lang, Chairman
Richard Canastra, Vice Chairman
Davis L. Sullivan, Treasurer
Edward J. Ilsley, Clerk
Dr. Brian Rothschild
James Dwyer
Patricia Lareau

Mission Statement:
The Harbor Development Commission’s primary charge is to support the Port of New Bedford through:
1. The implementation of best management practices over port resources
2. The development of economic growth strategies

To this end, it is the goal of the Harbor Development Commission to keep New Bedford on top as the number one US Fishing Port, expand existing businesses and capitalize on new opportunities that will maximize the Port’s potential as an economic engine to create jobs and strengthen the New Bedford economy.
New Bedford Port Economy

City Population: 100,000
Land Area: 20 square miles
Waterfront: 10.3 linear miles
Tidal Area: 13.2 square mile tidal area
Depth: 30 feet

Total Port Industry Output: $1 Billion

Number of Employees (New Bedford): 41,562
Total Unemployment: ~15%
Number of Port Employees: 4,893
(12% of City Employment)

Median Family Income (New Bedford): $38,684
Earnings per worker (Port): $49,998

Number of Businesses (New Bedford): 5,374
Number of Port Businesses (Port): 200
Port of New Bedford

- Over 4,400 Jobs
- $1 Billion Port Economy

- #1 in US

- Commercial Fishing
- Cruise
- Ferry
- Freight
- Recreation / Excursion
- Shipyards
- Supporting Services

- Landings:
  - 133 million lbs
  - $310 Million
- Capture – yr2:
  - 202,000 tons
  - 10,000 trucks

- Bulk, Break-bulk
  - Fuel
  - Aggregate
  - Perishables
  - Project Cargo
  - Offshore Wind Equipment

- 28.25 Acre Terminal
- $45 Million Investment
Port of New Bedford is poised to become a leading AMH Intermodal Shipping Port

- An active multi-faceted commercial shipping community
- Affordable labor
- Foreign Trade Zone (FTZ) #28
- Exempt from Harbor Maintenance Tax
- Excellent access to local and regional distribution centers
- Warehousing capacity:
  - Cold storage (183,000 sq. ft.)
  - Heated storage (80,000 sq. ft.)
- >100 Acres of Staging Area
Access to New England and Canadian Markets

Access to 51 Million People:

- 57 truck miles - Boston, MA
- 82 truck miles - Worcester, MA
- 212 truck miles - Albany, NY
- 286 truck miles - Burlington, VT
- 119 truck miles - Manchester, NH
- 212 truck miles - New York, NY
- 222 truck miles - Newark, NJ
- 295 truck miles - Philadelphia, PA
- 390 truck miles - Baltimore, MD
- 363 truck miles - Montreal, Canada
- 394 truck miles - Quebec City, Canada
- 453 truck miles - Ottawa, Canada
An Intermodal Port with Rail Connections

- Active Dockside Connections
- Active Freight Rail Yard (Stage 100 cars) 7 acre yard; 4 acre rail staging
- Extensive sidings allow for short and long term storage of rail cars
- New Bedford connects to the national rail grid
- New Bedford services all of New England, the US and Canada
- The Rail services the Port exclusively, bringing down costs of freight transport
- $22.5M TIGER Grant
An Intermodal Port with Regional Airport

- Local and regional jet service
- Main Air terminals are 3.5 miles from the Port Terminals
- 30 acres staging - laydown area
- Fast and efficient transfer of perishable/sensitive cargo
- Planned expansions to allow for large planes and more frequent flights
Port Infrastructure and Staging Areas

**North Terminal / Rail-yard = 33.5 Acres**
- Paved staging Area = 7.5 acres
- Unpaved Storage Area
- On-rail Storage = 12 Acres
- Staging for more than 100 rail cards

**State Pier / Pier 3**
- 4 Staging Acres at State Pier
- Room for 500 stacked Containers
- Staging for 70 trucks
- 1,000 linear feet of bulkhead for berthing

**South Terminal**
- Over 25 acres laydown area

**New Bedford Industrial Park**
- 30 Acres of Staging (6 miles from docks)
Why AMH Makes Sense

Port Perspective

- Frontline of Supply Chain = Investment by Industry
- 800 Jobs Region Wide
- $117 Million Annual Economic Impact

Source: Reeve Associates

PORTS SERVE AS GATEWAYS TO MAJOR URBAN CENTERS: GET FREIGHT WHERE IT NEEDS TO GO!!!
Why AMH Makes Sense: Port to Port Environmental Benefits and Cost Savings

AMH M-95 vs I-95 Land Route

Port of New Bedford, MA to Port of Canaveral, FL

- 916,000 truck trips and save $155M
- 1,109,625 metric tons of CO2 = $16.6M of CO2 credit
- 45,888,100 gallons of fuel
- Over 406M truck miles = $194.6M of public highway department costs
- 42 lives, 963 injuries; 23.9K gal. spills

Source: Various - References Available Upon Request
Can Marine Highways be incorporated into the transportation system?

CHALLENGES FACING PORTS:
- Cost Effective, Reliable, Sustainable Service
- Community Support
- Port Financing
- “The Will” to Change Modes
- Port Infrastructure; Intermodal Connectivity
- Cost Competitiveness
Can Marine Highways be incorporated into the transportation system?

**Policy**
- Put Ports on same playing field as other modes

**Market Analysis**
- Partnerships

**Incentives**
- Credits for Using AMH
- Tax Emissions

**Costs/Funding**
- DOT; MPO; TIGER; Title XI
- Affordable Labor

**Legislation**
- HMT Exemption
- Surface Transportation Act

**Steps to Jump the Hurdles and Build Cost Competitive, Reliable, Sustainable Services**
Supply Chain Partnerships

PRODUCERS THROUGH CONSUMERS

• **Ports** - Commercially Driven Client Focused Project Development
• **Industry** - Innovative and Sustainable Solutions for moving Materials and Products
• **Carriers** - Providing Connections to Road, Rail and Sea
• **Shippers** – Provide freight for consumers
• **MPOs** – Coordination of Long Range Planning
• **DOTs** – Funding and Technical Coordination
• **Labor**- flexible /affordable
• **Associations/Advocacy**- Networking
AMH Development: A New Approach

Building Partnerships; Ports Working Together
East Coast Marine Highway Initiative

$310,000 MARAD Grant
Management Committee:
• Port of New Bedford, MA
• State of New Jersey
• Port of Baltimore, MD
• Port Canaveral, FL
• I-95 Corridor Coalition
• US Maritime Administration

- Market Assessment
- Build “project ready” Services
- Model AMH Development
- Actionable/Sustainable Service
- Develop NEPA Process

Parson’s Brinckerhoff (PB) Selected out of 9 bids
ECMH Study Schedule

MAJOR TASKS

East Coast Marine Highway Initiative Study

Task I: Study Research
Part 1: Data Collection
  1.1: Literature Review
  1.2: Industry Listening Sessions

Part II: Market Analysis
  2.1: Commodity Flow Analysis
  2.2: Projected Commodity Opportunities
  2.3: Corridors and System Services
  2.4: Shipper Surveys and Interviews
  2.5: Value Proposition

Part III: Operational Development
  3.1: Logistics Activity and Modeling
  3.2: Labor Review
  3.3: Operational Plan

Part IV: Business Plan and Viability
  4.1: Maritime Cargo Opportunities
  4.2: Cost Analysis
  4.3: Service Review

Part V: Conclusions and Recommendations

Part VI: Environmental Analysis
  6.1: Environmental Screening/Overview
  6.2: Baseline PEIS Framework

Task 2: Draft Report

ECMHIAA Draft Report Review

Task 3: Final Draft Report

ECMHIAA Draft Report Review

Task 4: Final Deliverable

Industry Listening Sessions
  A. Initial shipper surveys
  B. Interviews/site visits (3)
  C. Listening webinars (3)
## AMH Proposed Vessels

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<tr>
<th>Vessel</th>
<th>LOA</th>
<th>Beam</th>
<th>Draft</th>
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<tbody>
<tr>
<td>MARAD AMH Vessel Prototypes</td>
<td>564.2 to 656’</td>
<td>NA</td>
<td>22.4’ to 25’</td>
</tr>
<tr>
<td>American Feeder Line Vessels</td>
<td>610.1’</td>
<td>77.8’</td>
<td>26’</td>
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<tr>
<td>Intermodal Marine Lines</td>
<td>626’</td>
<td>89’</td>
<td>23’ to 24’</td>
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Combination Vessels in Development (Ro-Ro : Lo-Lo)
AMH Ports: The Ideal Terminal

AMH Terminal Concept

- Flexibility for Barges and Ships
- Landside – Highway and Rail
- RO/RO and LO/LO Handling
- 15’ to 35’ MLW Channel Depth
- Berth – 400’ to 600’
- Cranes and RO/RO ramp
- Upland Yard w/ Reefer Plugs
- Storage Yard of 20 to 50 Acres
SOUTH TERMINAL MARINE COMMERCE TERMINAL

PROJECT SITE
Facility Layout

Construction Hires: Hundreds of Local Jobs...
New Bedford Marine Commerce Terminal
Wind Tower Assembly Facility
Albany to New Bedford - Heavy Lift AMH Transport
Weekly Service: Starting 2011

Hamburg Reefer’s MEXIMAR WEEKLY SERVICE

Weekly ship service for dry, fresh and frozen unitized commodities between Tuxpan, Mexico; Port Canaveral, Florida, USA; and Port of New Bedford, Massachusetts, USA.

For booking contact:
Hamburg Reefer/Seatrade USA
Tampa, Florida
(813) 253-3122
operations@seatradeusa.com

• 40% Net Transportation Cost Savings to Customers
• 20 Million Long Haul Truck Miles Off Corridor
• Avoid Gridlock at Border and Along Corridor
Thank you!

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