

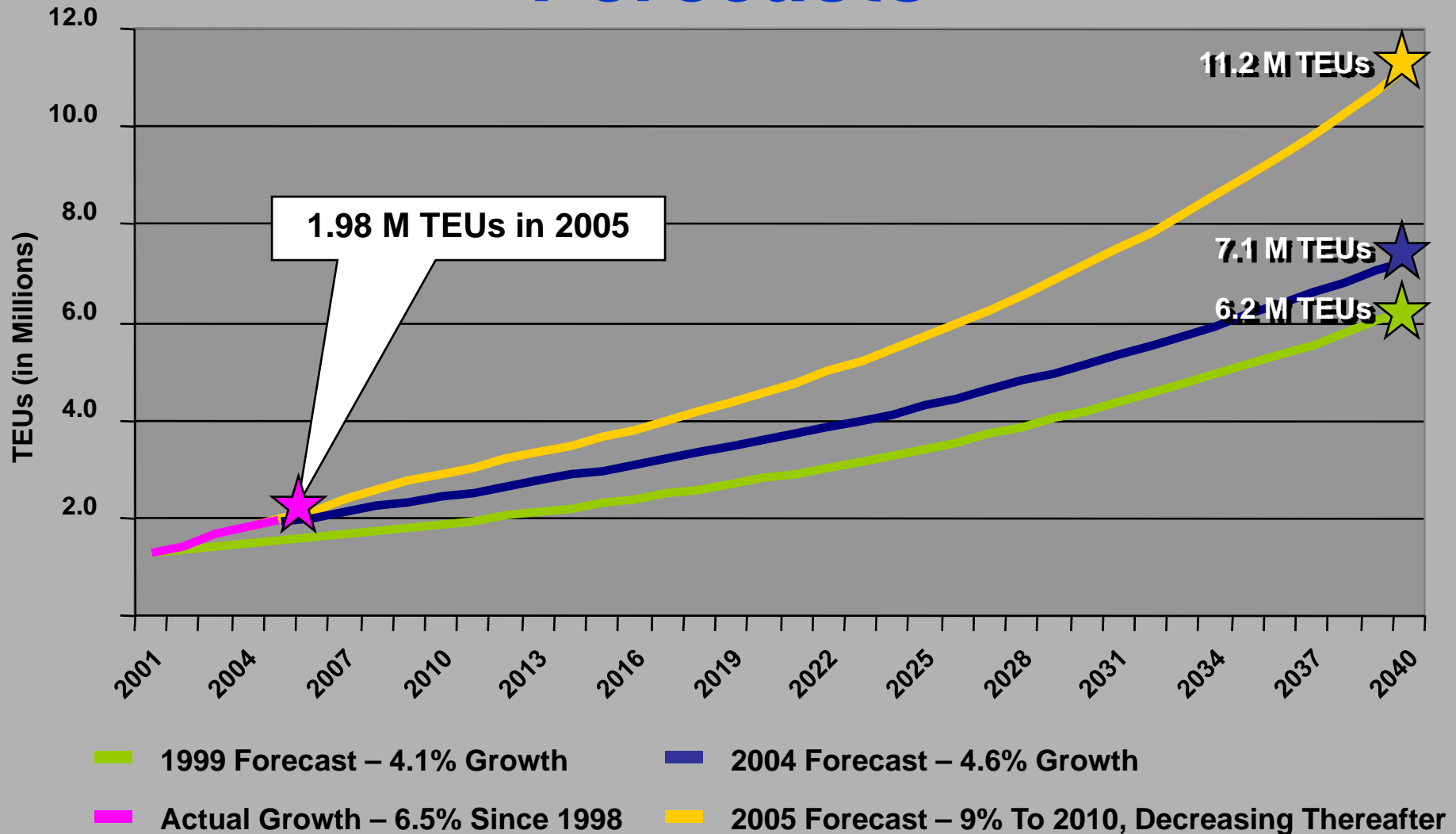
Developing a Marine Highway Program

“A James River Barge Line”

John G. Hekman, Chairman
Martin J. Moynihan, Executive Director
Port of Richmond
June 18, 2008

Destination Richmond: Supporting the Marine Highway Program

Containerized Cargo Forecasts



Hampton Roads Traffic Congestion

- Congestion caused 21.7 million hours of traveler delays in 2003, approximately 26 hours per traveler, a 117% increase over 1982
- From 1982 to 2003, drivers consumed an additional 13.8 million gallons of gasoline due to traffic congestion
- The average speed when commuting to work is estimated to fall from 14.5 mph in 2005 to 7.2 mph in 2015, increasing a round trip commute by 1.5 hours per day
- Loss of business: Reduction of the gross regional product of Hampton Roads by only .5 percent would cost \$330 million



Newport News Marine Terminal

Monitor Merrimac Bridge Tunnel

I-84

Hampton Roads Bridge Tunnel

Naval Station

Craney Island

Future C.I. Terminal

Norfolk International Terminals

Rail Corridor

Maersk Terminal

Lamberts Point

Route 164

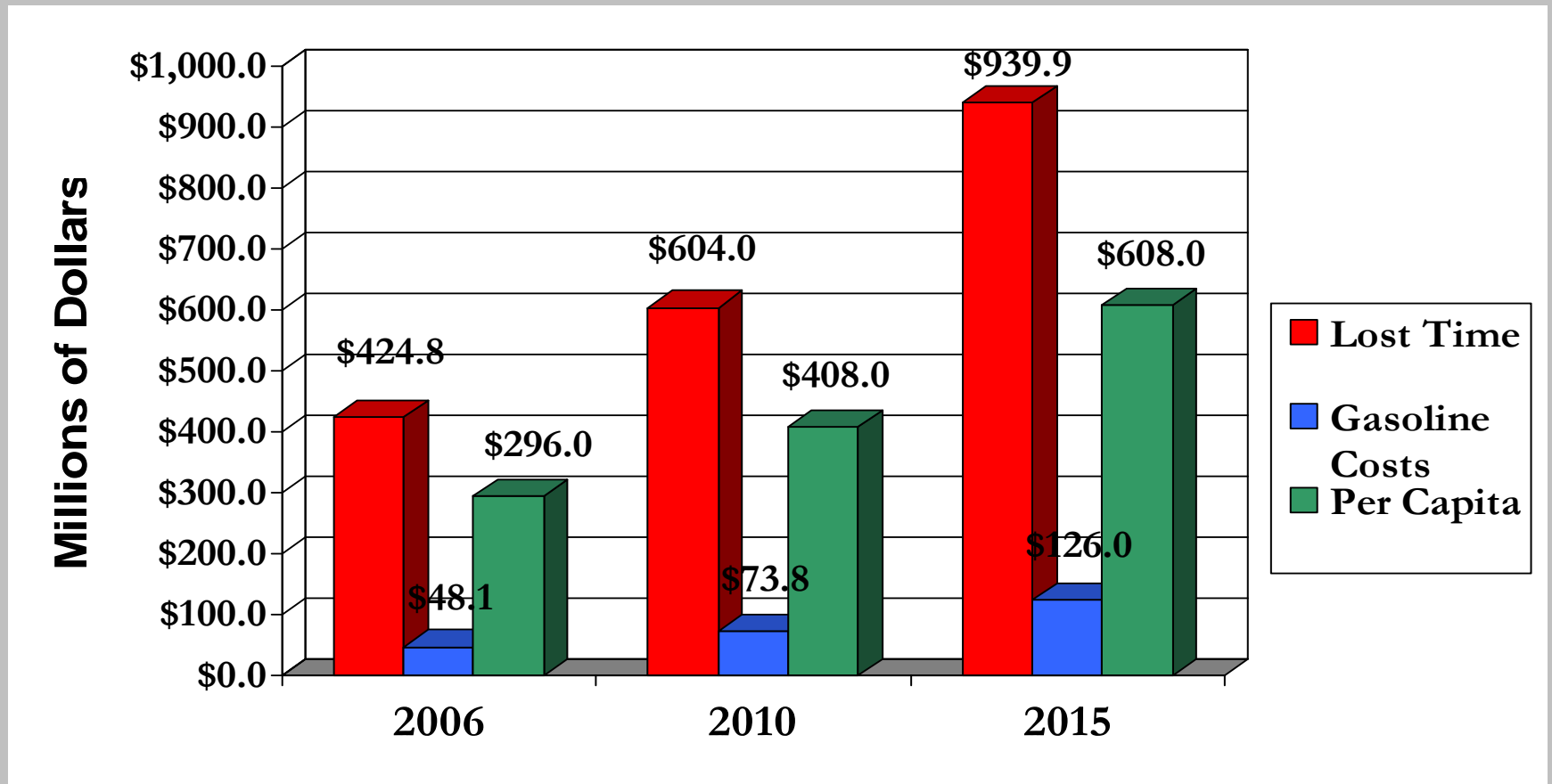
Portsmouth Marine Terminal

Pinners Point Interchange

Mid-Town Tunnel

Estimated Costs of Traffic Congestion in Hampton Roads

(Not including environmental costs or negative effects on business activity)



Source: The State of The Region-Hampton Roads 2006, Old Dominion University

James River Barge Line

- Transporting Containers: Port of Richmond and Port of Hampton Roads
- Avoid Congested Roadways: importers and exporters in the Greater Richmond
- Cost-effective, reliable, and environmentally-friendly mode of transport

Destination Richmond: Supporting the Marine Highway Program

Benefits of the Marine Highway

- **Reduce Congestion**
- **Overweight Freight Efficiencies**
- **Fuel Efficiencies**
- **Reduce Stress on Trucking Industry**
- **Utilize Existing Terminal Facilities**
- **Customer Service for Local Delivery**
- **Local Drayage: “30 Mile Market”**
- **Reduce Overtime at Warehouses**
- **Schedule Deliveries Around Congestion**

Supporting the Marine Highway Program

**MARAD Introduces
Marine Highway
Concept to Region**

*October 2007: begin
working with MARAD and
Port of Richmond*

**Marine Highway
Project
Included in LRTP,
Other Plans**

**Recommendation
to Allocate CMAQ
Funds to MHP**

**MPO
Approval:
\$2.25M
CMAQ**

*Incorporated in financially
constrained plans (March 2008)*

*New study: survey needs of
freight dependent industries and
develop strategies addressing
landside improvements [short &
long term] (complete June 2009)*

*Project evaluated
and selected in
competitive project
selection process
for funding (March
2008)*

*\$2.25 M in CMAQ
funds allocated for
FY 09 – FY 11 (April
2008)*

Destination Richmond: Supporting the Marine Highway Program

A James River Barge Line

Questions?

Destination Richmond: Supporting the Marine Highway Program

