

# American Association of Port Authorities

September 18, 2013

Presented by:  
David Hobbie  
Deputy District Engineer for Project Management



**BUILDING STRONG®**

U.S. ARMY CORPS OF ENGINEERS | Jacksonville District

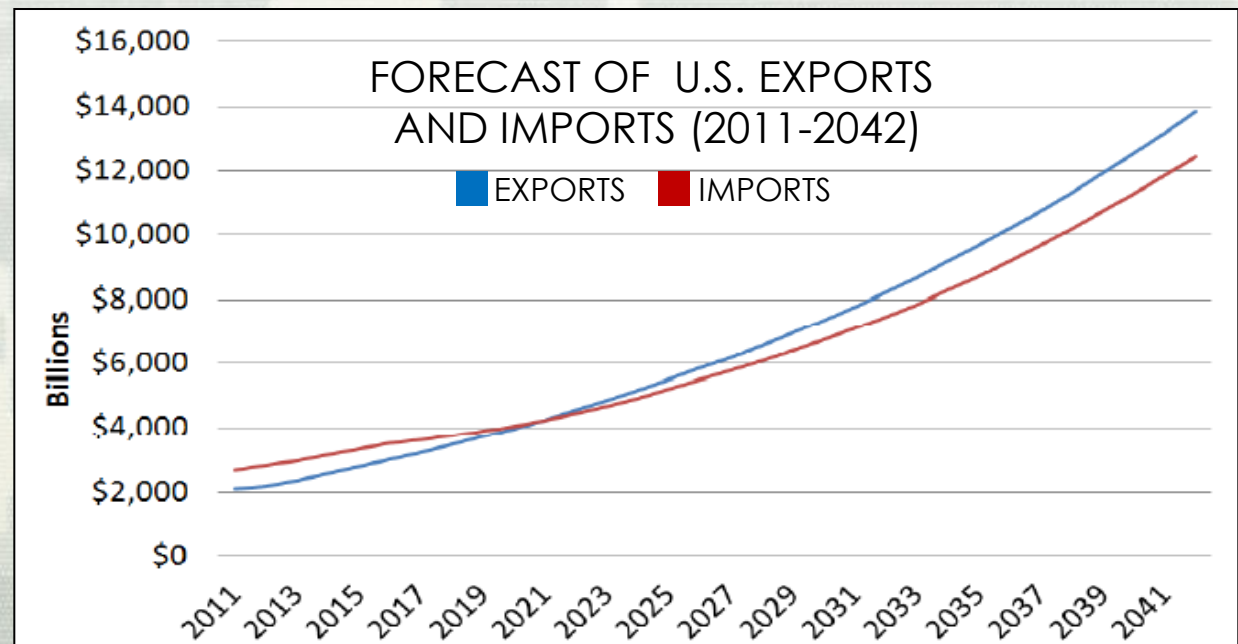
# NAVIGATION

## Port Deepening: A National Priority

- 95% of all U.S. trade (imports and exports)
- Annual economic impact: \$4.2 trillion
- 28% of National GDP (55% by 2038)
- Seaports/trade support 13.3 million U.S. jobs and \$649 billion personal income
- Every \$1 billion in exports through seaports creates 15,000 jobs



**Jacksonville Harbor:**  
"We Can't Wait" Project



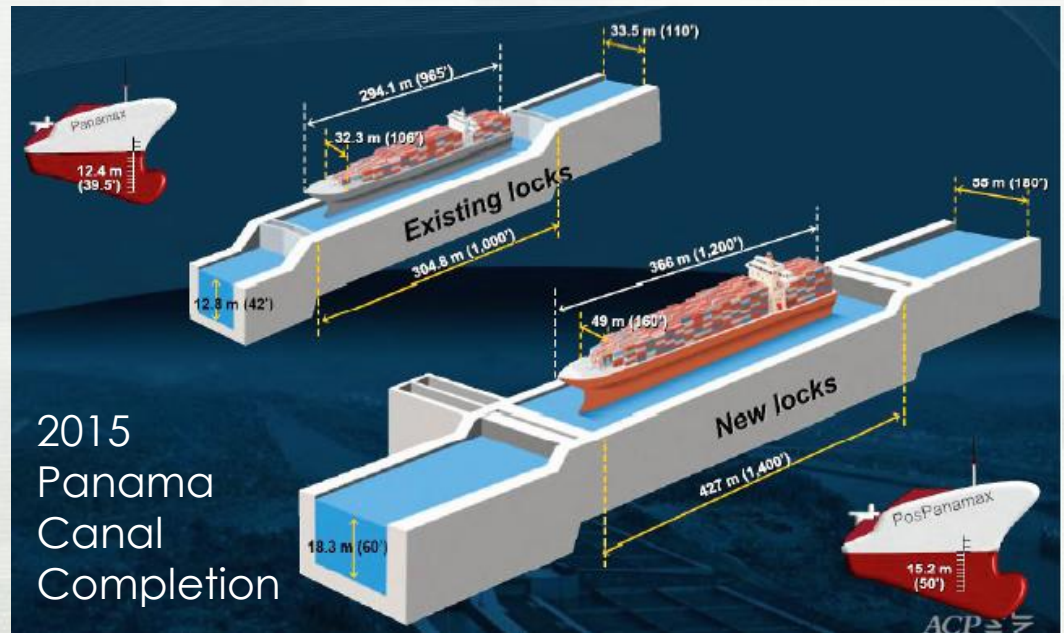
Source: HIS Global Insight, The U.S. Economy, The 30-year Focus, First Quarter 2012





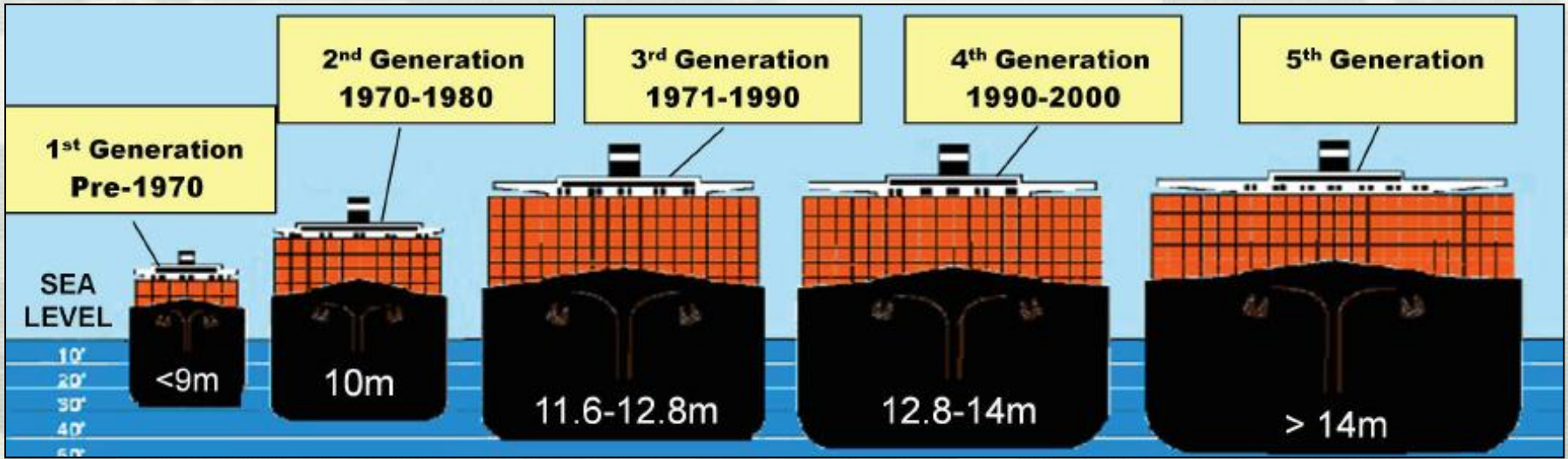
# EVOLUTION OF SHIPPING

Reducing Costs with Larger, More Efficient Ships



2015  
Panama  
Canal  
Completion

Existing vs. New Locks: 4,800 vs. 12,600 TEU maximum vessel  
Source: Panama Canal Authority, February 2011



1970s: 1,000-2,500 TEU    1980s: 4,000-5,000 TEU    2000: 8,000-10,000 TEU

# NAVIGATION



Courtesy of:  
FLORIDA TIMES UNION  
Source: Seaport  
Systems Plan  
Working Group





# IMPROVING PORT EFFICIENCY

## Deepening is Only Part of the Formula



Deeper Channels



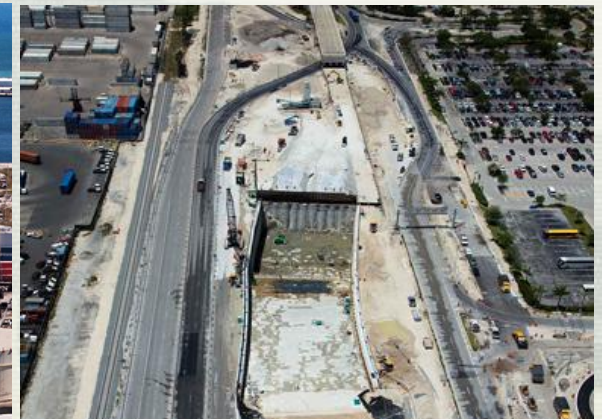
Panamax Cranes



Seaside Offloading



Warehouses, Storage Yards, Storage Tanks



Highway Access



Train Line Loading



# ALTERNATIVE FUNDING

	<b><u>ACCELERATED FUNDS</u></b> Non-Federal funds provided out of proportion with Federal funds but within the ultimate non-Federal cash contribution, with credit only if additional Federal funds are provided	<b><u>CONTRIBUTED FUNDS</u></b> Non-Federal funds provided in excess of any required cost share, with no repayment or credit	<b><u>ADVANCED FUNDS</u></b> Non-Federal funds provided as an advance of the Federal share or in the absence of Federal funding, with the potential for repayment or credit
<b><u>STUDY</u></b> Project Purpose Congressional Notification	Yes, if Federal funds provided All project purposes No	Yes, if Federal funds provided All project purposes Yes	No N/A N/A
<b><u>DESIGN</u></b> Project Purpose Congressional Notification	Yes, if Federal funds provided All project purposes Yes	Yes, if Federal funds provided All project purposes Yes	Yes, if project is authorized for construction Navigation and flood damage risk reduction only Yes
<b><u>CONSTRUCTION</u></b> Miami Project Purpose Congressional Notification	Yes, if Federal funds provided All project purposes Yes	Yes, if project is authorized and Federal funds provided for construction All project purposes Yes	Yes, if project is authorized for construction Navigation and flood damage risk reduction only Yes
<b><u>OPERATION &amp; MAINTENANCE</u></b> Project Purpose Congressional Notification	N/A	Yes All project purposes Yes	Yes Navigation and flood damage risk reduction Yes



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