



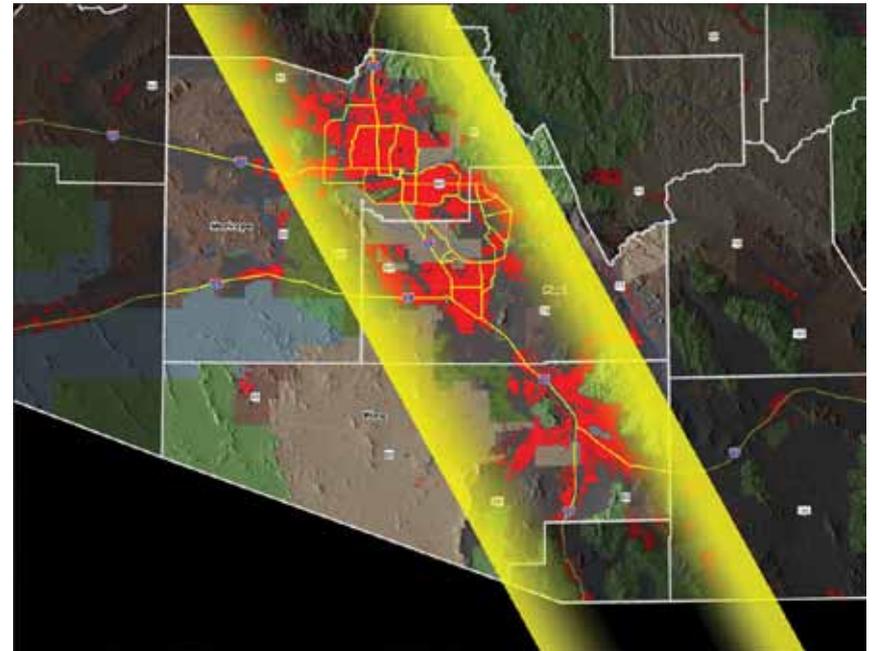
# MAG FREIGHT TRANSPORTATION FRAMEWORK STUDY

**MAG MANAGEMENT COMMITTEE**

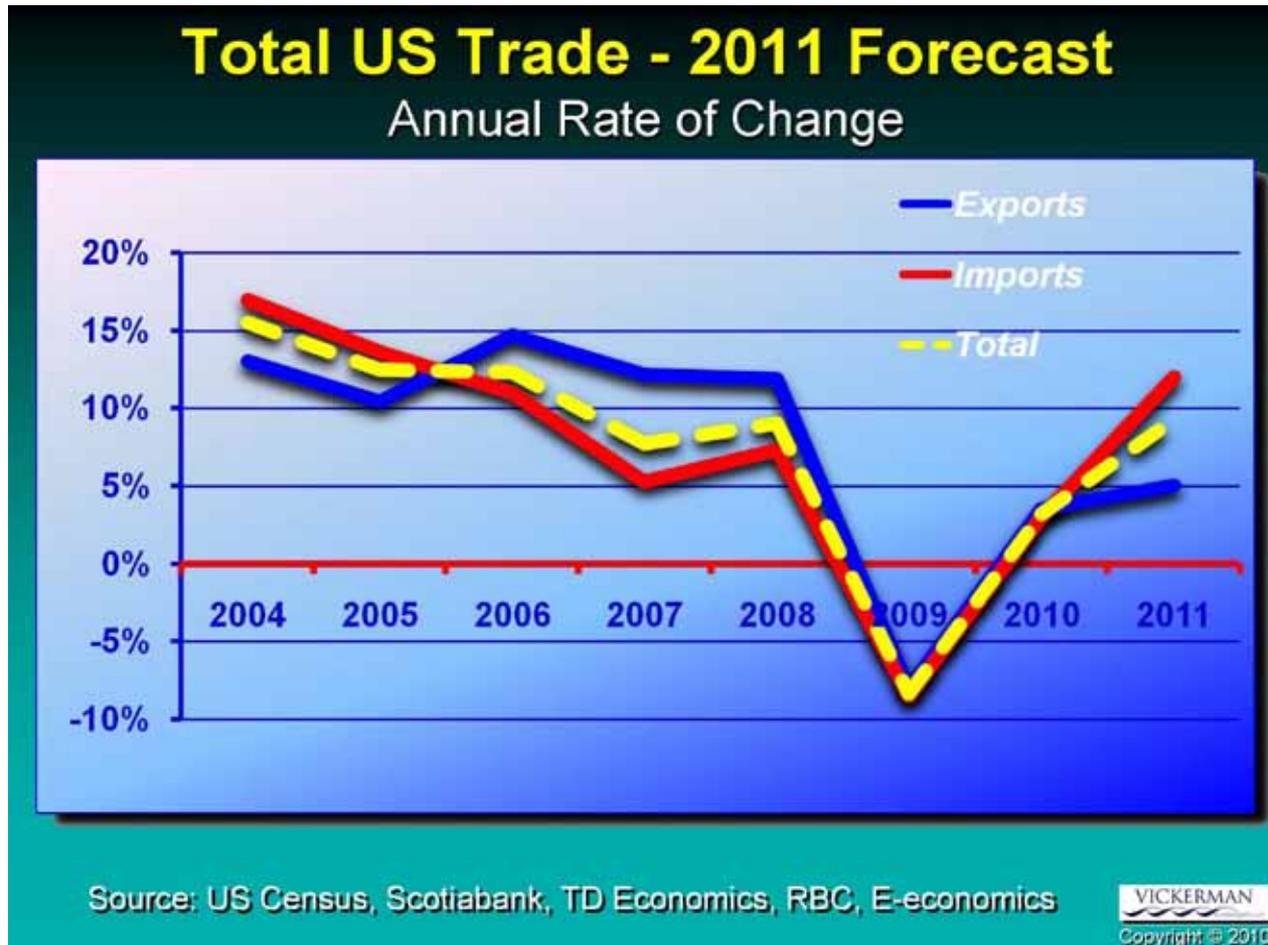
March 9, 2011

# Freight Framework Study

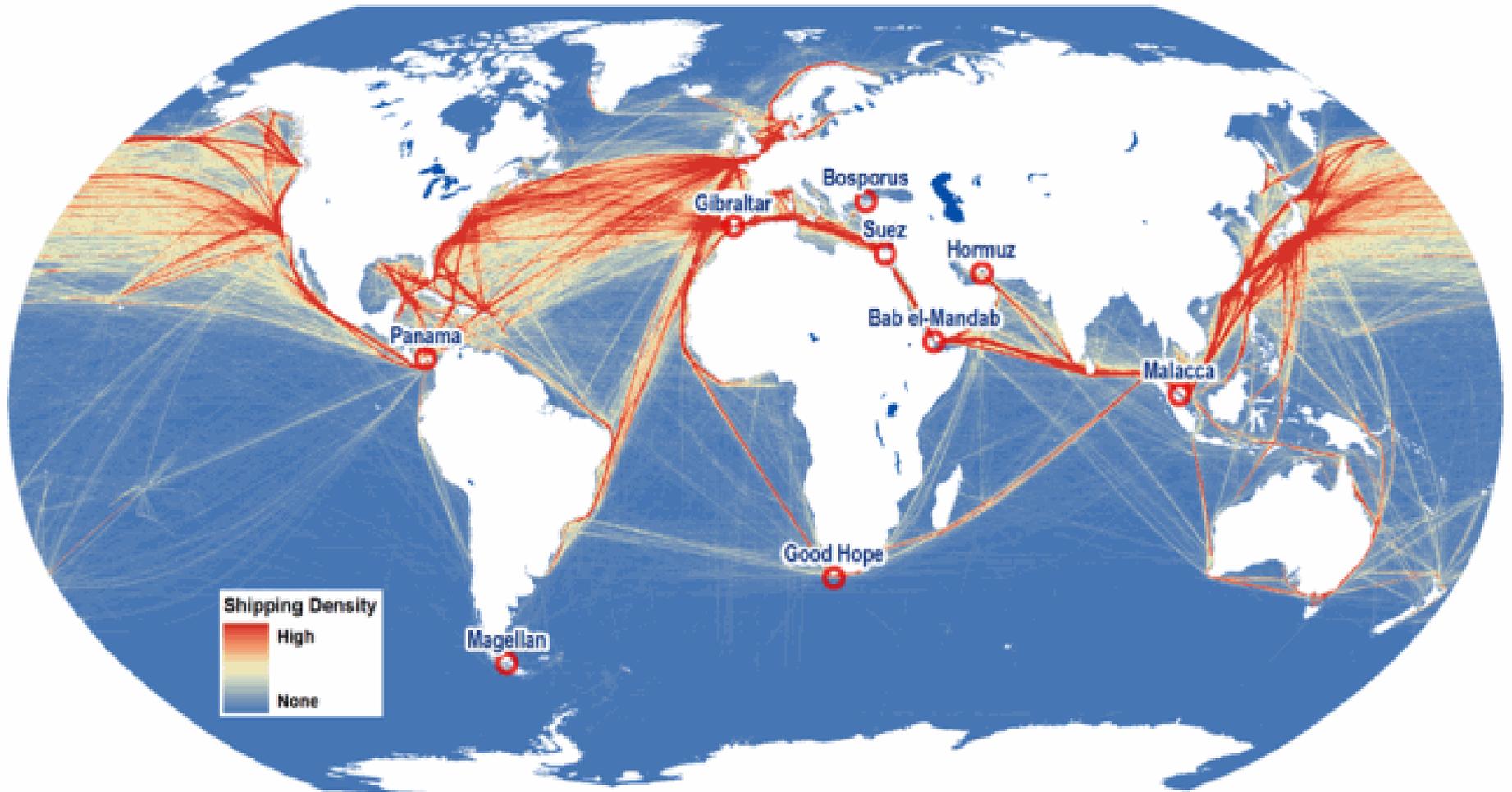
- Project being managed by MAG with input from the Joint Planning Advisory Council (JPAC).
- JPAC – MAG, CAAG, PAG signed a resolution (2009) stating their desire to jointly coordinate planning efforts in the sun corridor.
- Study area includes Maricopa, Pinal and Pima counties.
- Project Schedule 18 months.
- Parsons Brinckerhoff selected for project.



# Trade Forecasts



# Commodity Flows



# North American Gateways

## Current North American Trade Corridors, Gateways and Inland Freight Clusters



Source: The Geography of Transport Systems 2<sup>nd</sup> Edition  
Jean-Paul Rodrigue, Claude Comtois and Brian Slack (2009)

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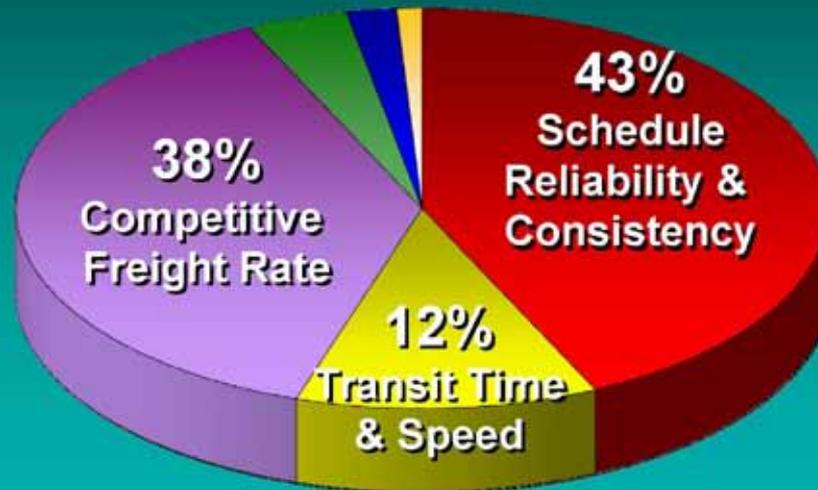
# Changing Transportation Networks



Panama Canal Expansion 2014

# Shippers Perspective

## Poll of the Top 1000 “Blue Chip” Multinational Shipper Priorities



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# FHWA Designated Major Corridor Freight Coalitions

## Domestic

- Alameda Corridor Transportation Authority
- Central Corridors Freight Committee
- Continental One Trade Corridor
- Eastern Border Transportation Coalition
- Fast Corridor
- I-5 Golden State Gateway Coalition
- I-10
- I-69 Mid-Continent Highway Coalition
- I-70 Coalition
- I-80 Coalition
- I-95 Corridor Coalition
- Lake Michigan Interstate Gateway Alliance
- Mid-America Freight Coalition (MAFC)
- Ports-to-Plains Trade Corridor
- River of Trade Corridor Coalition
- Southwest Rail Corridor Coalition
- West Coast Corridor Coalition

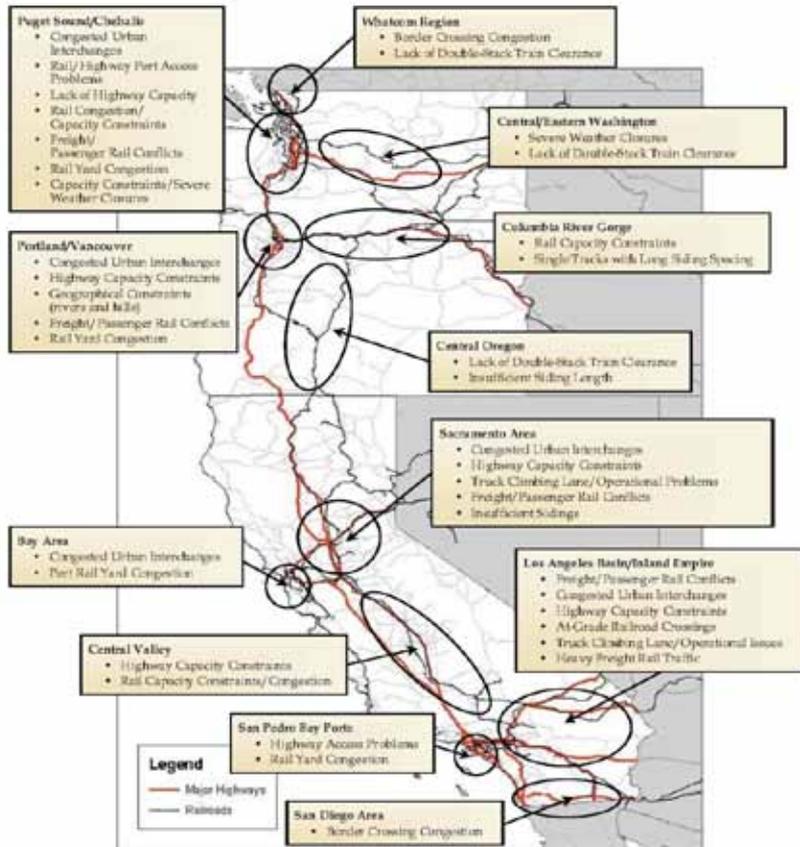
## International

- Border Trade Alliance
- Can/Am Border Trade Alliance
- Canamex
- Central North American Trade Corridor
- North America's Super Corridor Coalition, Inc

# West Coast Corridor Coalition (WCCC)

- The West Coast Corridor Coalition (WCCC) advocates collaborative solutions to transportation system challenges on the West Coast Corridor.
- WCCC members represent the states of Alaska, California, Oregon and Washington.
- Specific WCCC objectives are to:
  - Develop and mutually support a roster of “projects of corridor significance” that serve the nation and the region.
  - Encourage joint effort and effective cooperation among West Coast state, regional and local governments and the private sector.
  - Advocate for financing options to fund transportation system improvements serving the interests of the Coalition, including both additional funding and regulator changes.

# Key West Coast Regional Bottlenecks



# Freight Framework Study

- § Goal: Identify and develop freight related economic development opportunities.
- § Objectives:
  - ú Increase mobility and freight access.
  - ú Identify freight commodity profile.
  - ú Identify border crossing opportunities.
  - ú Identify Inland Port opportunities.
  - ú Identify funding options and sources.
  - ú Identify freight infrastructure improvements.



# Freight Framework Study

- Evaluate existing freight operations.
- Commodity flow analysis.
  - Cargo and trade forecasts.
- National and regional freight profile
  - Shipper perspectives.
  - Carrier perspectives.
- Inland port market assessment.
- Consult project stakeholders.
- Policy and regulatory issues.
- Identify funding opportunities and strategies.



# PORTS OF ARIZONA



# Port of Guaymas



## PORT FACTS:

- Rail Capacity to handle 14 trains per day – each direction.
- 4-Lane Highway No. 15 located 1-mile from port.
- Located 240 miles from Nogales and 420 miles from Phoenix.
- Port Activity: Grains and Minerals.
- Grain storage Capacity of 68K tons.
- Moved approximately 2-million tons last year.
- Indefinite waiver of Mexico's 16% value-added tax.

# Proposed Deep Sea Port of Punta Colonet



## PORT FACTS:

- Located 150 miles south of Tijuana, Mexico.
- Border Crossing Feasibility Study underway.
- Infrastructure Issues.
- Economic feasibility.
- 1 million TEUs by opening year.
- 5 million TEUs by 2030.

# Interstate 11



## FACTS:

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- Accepted as an illustrative project in MAG RTP 2008.
- Business communities in Phoenix and Las Vegas have championed the Interstate 11 corridor with a private sector/public sector coalition seeking interstate designation.
- Hoover Dam Bypass Bridge opened to traffic in 2010.
- Environmental Studies proposed for the Hassayampa Valley Segment.

## BENEFITS:

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- Improve travel reliability for the Intermountain West.
- Enhance economic benefit by linking trade between Mexico, Canada and the Intermountain West.



# Next Steps

- Continue with stakeholder outreach for Maricopa, Pinal, and Pima Counties.
- Purchase commodity flow data.
- Existing conditions data collection.
- Continue to work with the Economic Development Committee and the Joint Planning Advisory Council.





Photo by Marc Pearsall, MAG

# MAG FREIGHT TRANSPORTATION FRAMEWORK STUDY

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