

Nevada Transportation Conference March 23, 2010 Port Rail Intermodal Cargo

Carlo Luzzi Manager of Rail Transportation

California's Public Ports





Who we are



America's 2nd busiest container port

\$120 billion in trade

Leading gateway for U.S. Asia trade

Job Creator

U.S.-Asia Trade Routes

Port of

The Port of

The Green Port

LONG BEACH









Panama Canal (Gulf and East Coast)

San Pedro Bay Ports Rail Overview



ACTA
POLB
POLA



The Port Complex



- 1911
- 3,500 acres of land
- 4,600 acres of water
- 80 berths
- 7 container terminals
- 71 ship-to-shore cranes
- 76-foot-deep channel
- 20 rail facilities



Big ships

1531



Long Beach can accommodate more of the world's largest container ships

121 1220

12001 1201

OOCL

TIANJIN

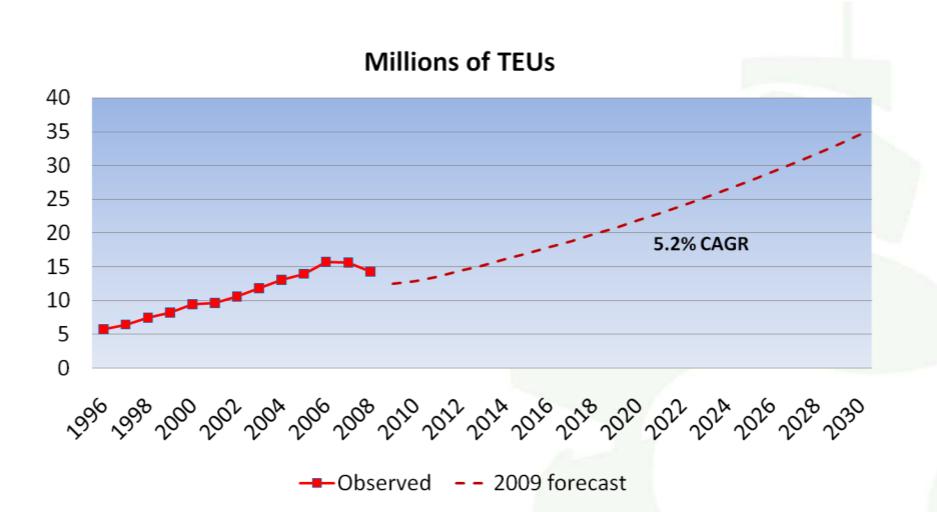
On-dock rail



Dockside rail shipments increase productivity, and minimizes air quality and traffic impacts

Updated San Pedro Bay TEU Forecast





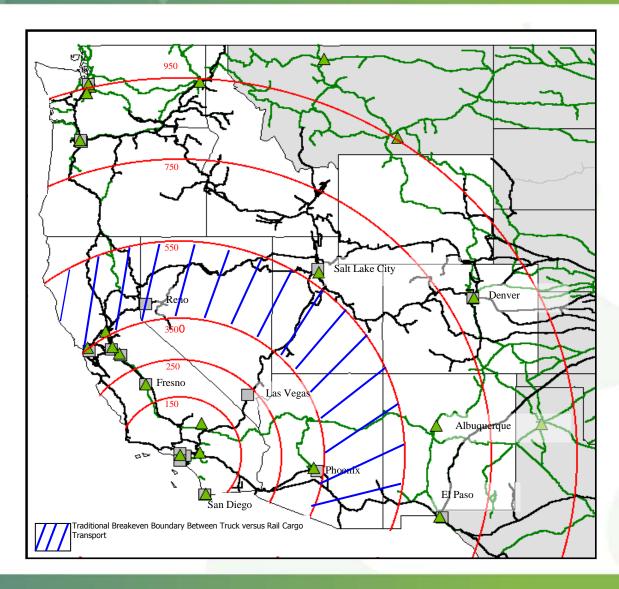


	2003	2004	2005	2006	2007	2008	2009
	Total TEU's	Total TEU's	Total TEU's	Total TEU's	Total TEU's	Total TEU's	Total TEU's
	/	/	/	/	/	/	/
	% On-	% On-	% On-dock	% On-dock	% On-dock	On-dock	On-dock
	dock Rail	dock Rail	Rail	Rail	Rail	Rail	Rail
POLB	4.7	5.8	6.7	7.3	7.31	6.49	5.07
	11.0%	15.0%	16.3%	19.2%	21.4%	22.7%	23.9%
	on-dock	on-dock	on-dock	on-dock	on-dock	on-Dock	on-Dock
POLA	7.2	7.3	7.3	8.5	8.36	7.85	6.75
	19.1%	20.6%	24.6%	28.3%	24.4%	24.6%	25.1%
	on-dock	on-dock	on-dock	on-dock	on-dock	on-dock	on-dock
TOTAL	<i>11.9</i>	13.1	14.0	15.8	15.67	14.3	11.82
	<i>15.9%</i>	18.1%	20.7%	24.1%	23.0%	23.7%	24.68%
	on-dock	on-dock	on-dock	on-dock	on-dock	on-dock	on-dock

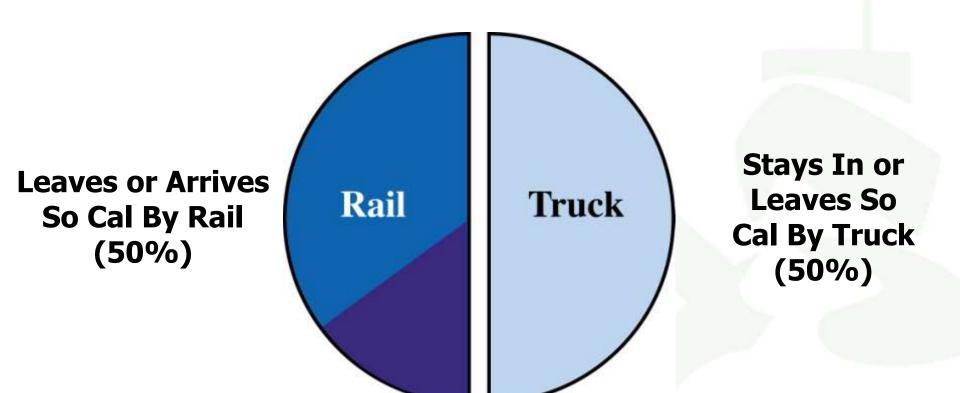
Regional Rail Capacity/Demand Local vs. Intermodal Markets



- Traditional DS breakeven > 500 mi
- Traffic congestion could bring intermodal markets to > 300 mi
- Effect is to further increase rail capacity shortfall



Port Container Traffic - Rail vs. Truck

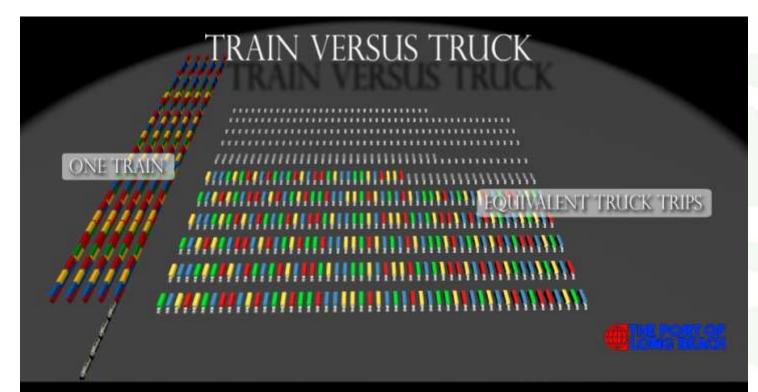


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On-Dock Rail Benefits





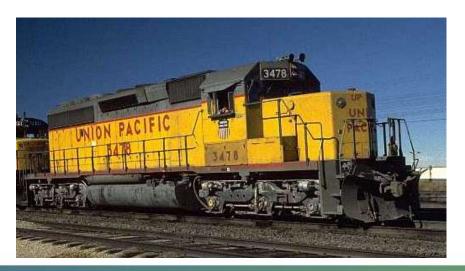
Traffic: One double stack train can eliminate up to 750 truck trips

Fuel Efficiency = Trains are 2-4 times more fuel-efficient than trucks on a ton-mile basis

Emissions = Trains are 2-3 times cleaner than trucks on a ton-mile basis

POLB Rail Action Plan

- Railroads / Ports / Shipping / Terminals
- Pacific Harbor Line (PHL Short-line)
- Union Pacific Railroad
- BNSF Railway
- Maximize Existing Rail Infrastructure
- Maximize Train Lengths
- Provide for Better Planning/Coordination





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Short-line Railroad





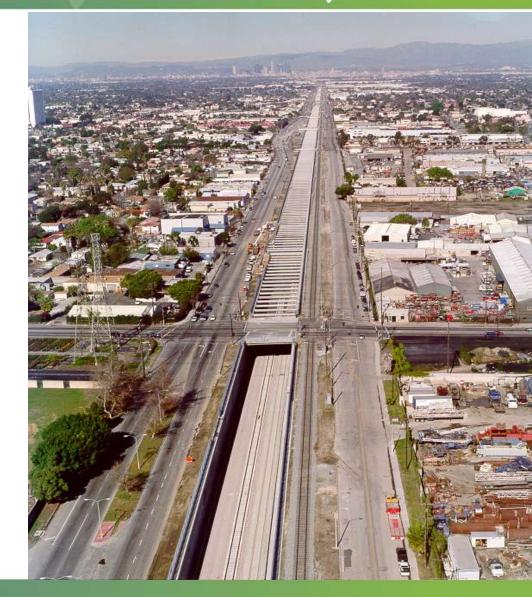
Alameda Corridor



Train Volume

2002:	39
2006:	55
Existing:	36
2015*:	100
2020*:	172
2030*:	198

* Denotes peak day



Alameda Corridor





Regional Rail Network



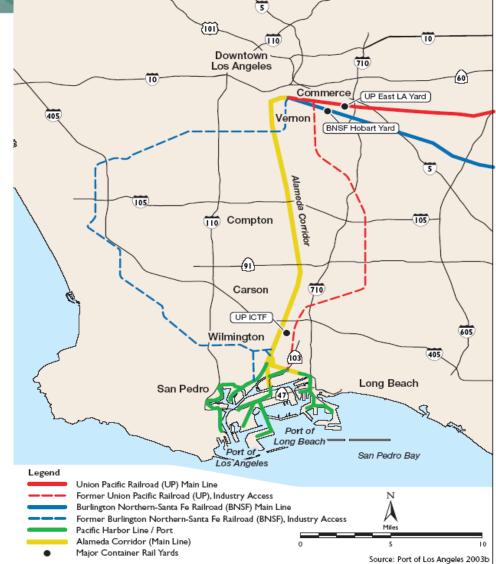
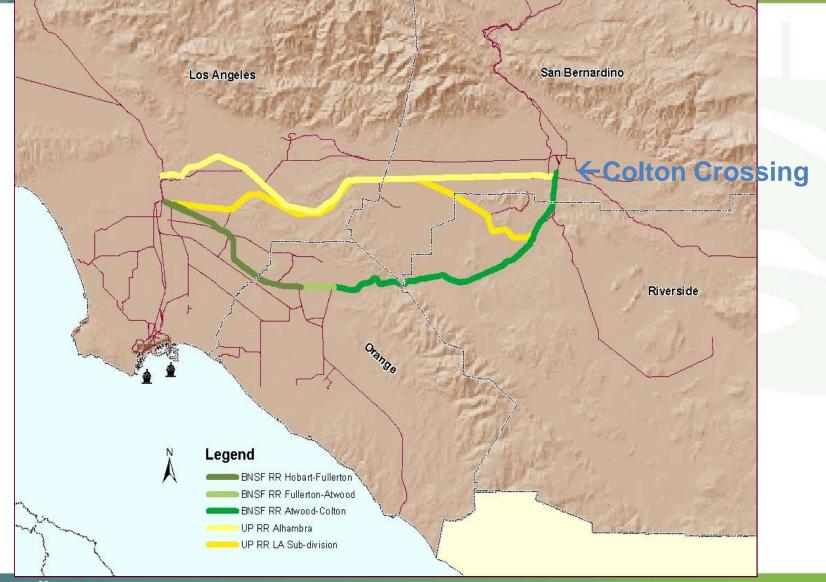


Figure 3-1 Major Rail Lines and Facilities

Regional Rail Network





Rail connections





BNSF and UP Intermodal Traffic Density Maps

Source: Company Websites, Norbridge industry knowledge

Green Port Policy



- Protect the community from negative Port impacts
- Distinguish Port as environmental leader
- Promote sustainability
- Employ best available technology
- HENTAL ACHIEVENLWT 2006 Engage and education the community

Clean Trucks Program



LONG BEACH

Ban on old trucks, so only clean trucks serve the Port, reducing truck pollution 80% by 2012

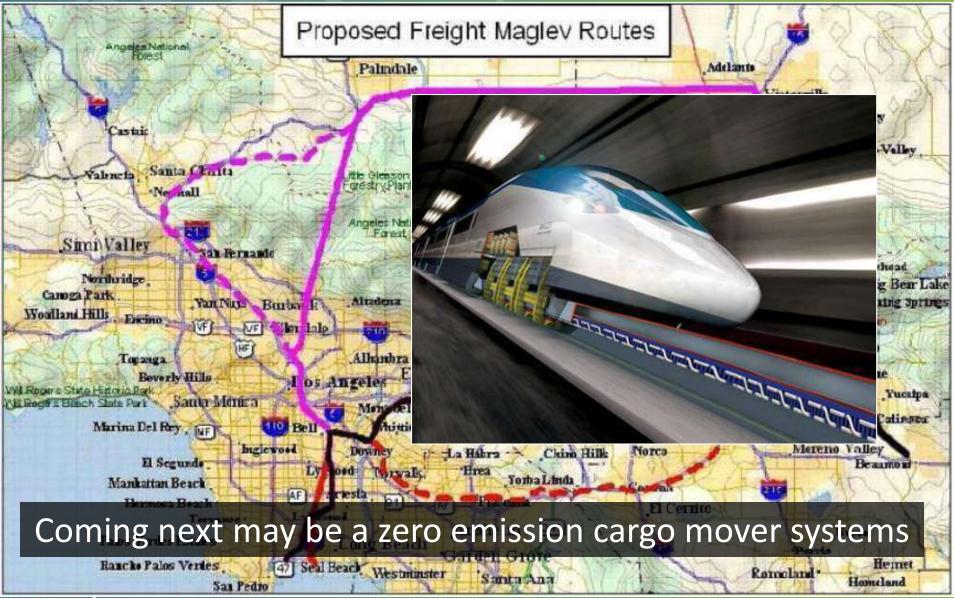
Ports Truck Reduction Program Inland Port Concepts





Advanced technologies





Capital Improvement Program

- 10 Year Program
- Total \$5.5 billion
- Navigation
- Bridge & Roadway
- Rail
- Terminal Optimization
- Safety/Security
- Environmental



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The Green Port

LONG BEACH

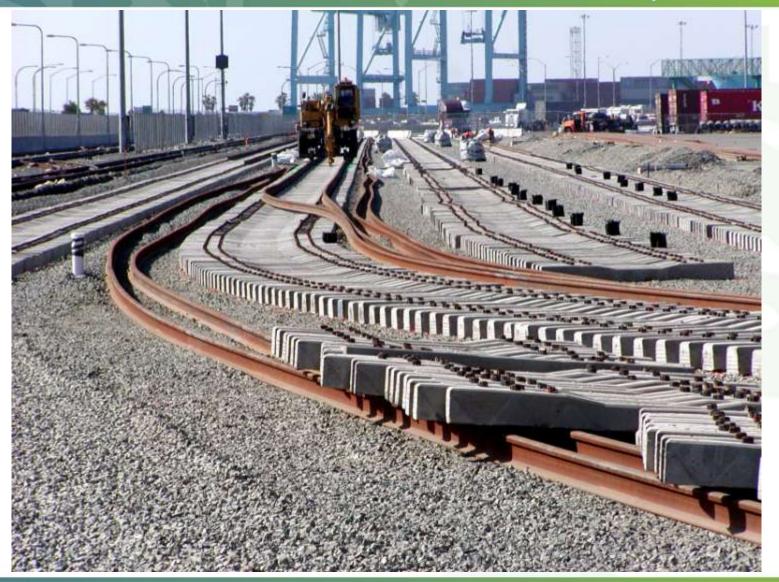
Desmond Bridge replacement



\$1.1 billion bridge would ease congestion, improve traffic safety

Rail Construction





Terminal Improvements





Thank you www.POLB.com

