California Marine Affairs & Navigation Conference (CMANC) Jan. 16, 2014

A Development Update Building the Port of the Future



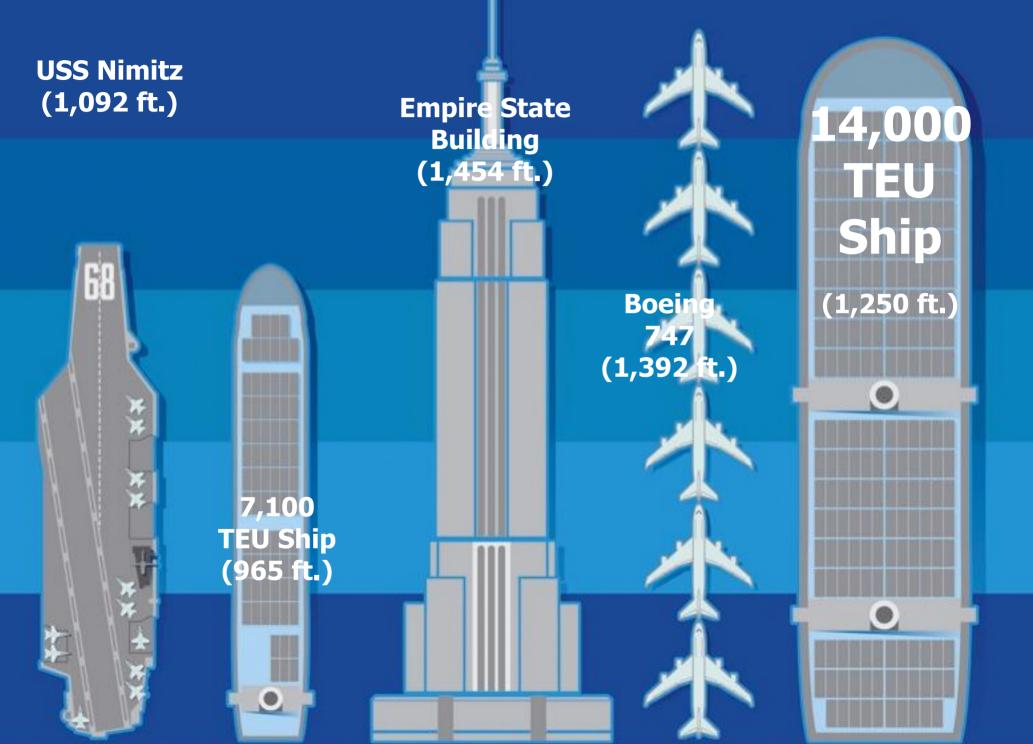
Doug Thiessen, P.E.

Managing Director of Engineering Services

Nation's 2nd Busiest The Greenest Port Gateway for clothing, toys, shoes, furniture



14,000-TEU ships call here Big Ship Ready Too big for expanded Panama Canal

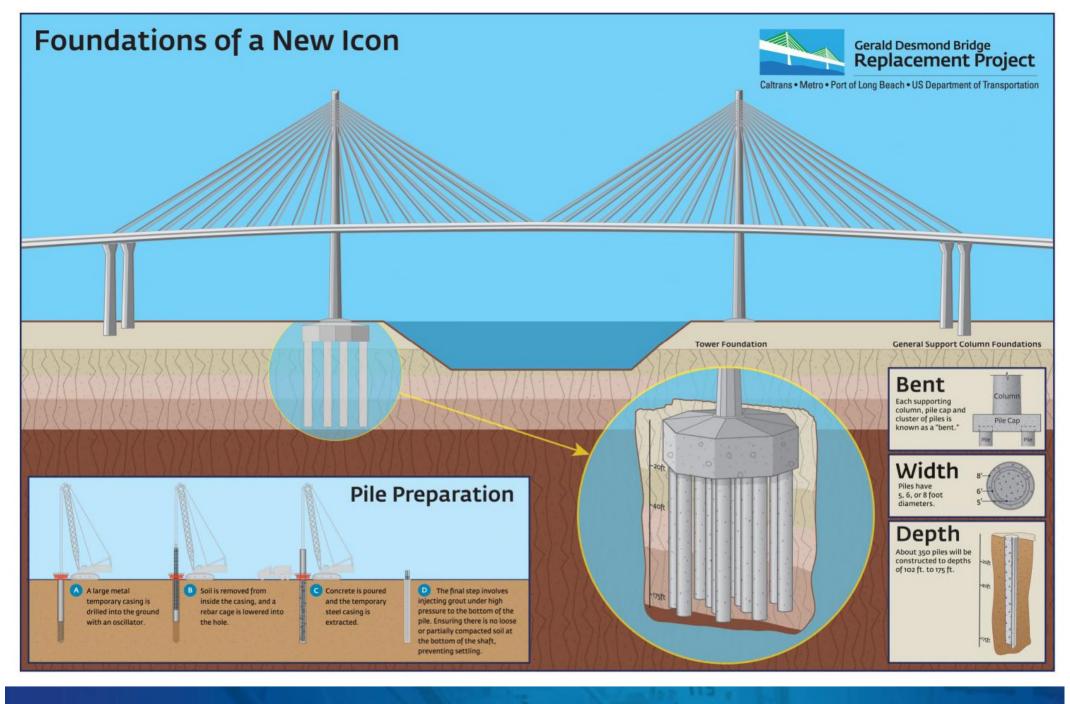


3,000+ jobs a year \$4 Billion in Projects

TYN I

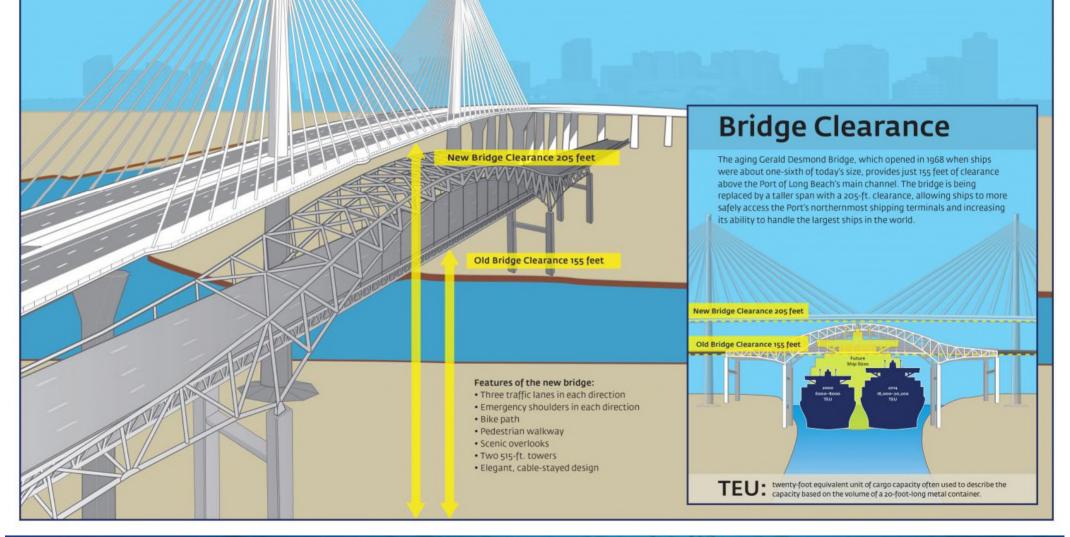


\$1.3 billion project ICONIC Bridge Opening to westbound traffic as early as 2017





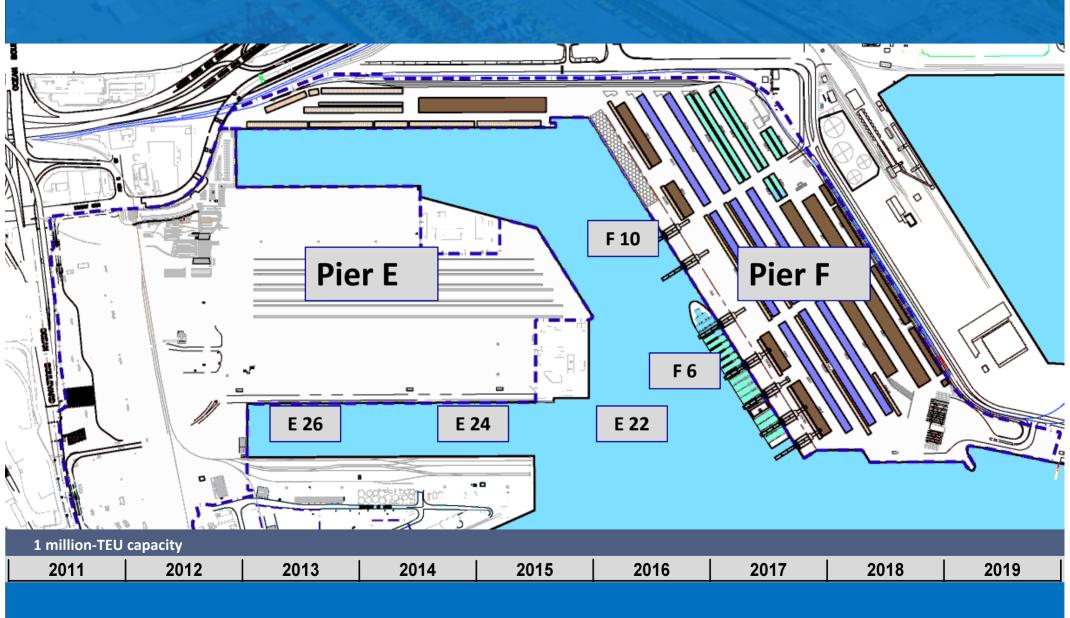
Caltrans • Metro • Port of Long Beach • US Department of Transportation

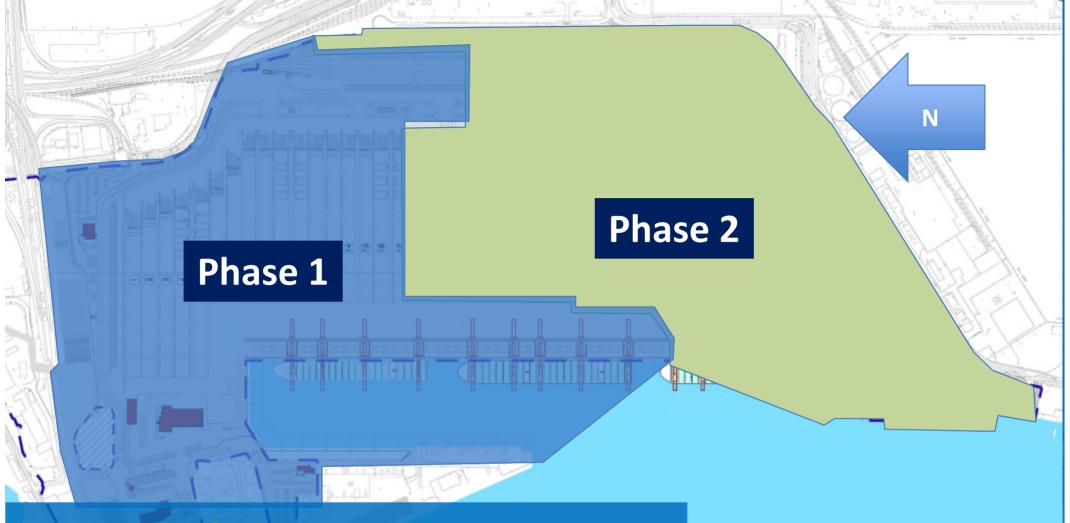


\$1.3 billion Middle Harbor

First half set to open in late 2015

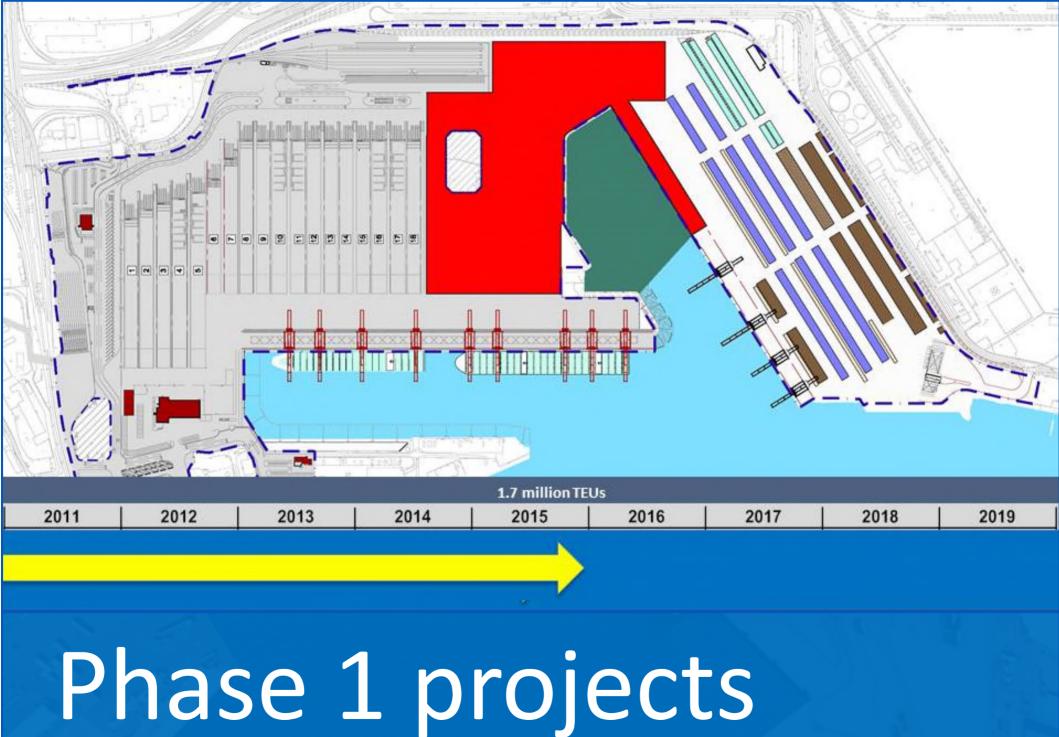
Before Construction





Two phases Middle Harbor

\$1.314 billion budget



Six on site Ship-to-Shore, Cranes

8 more of the most advanced cranes on the way

34 on site Guided Vehicles 4 more on the way

ZERO EMISSIO



Opening in 2015

- 101 IN 3.3 million-TEU Phase 2 projects

Phase 2 Construction Projects

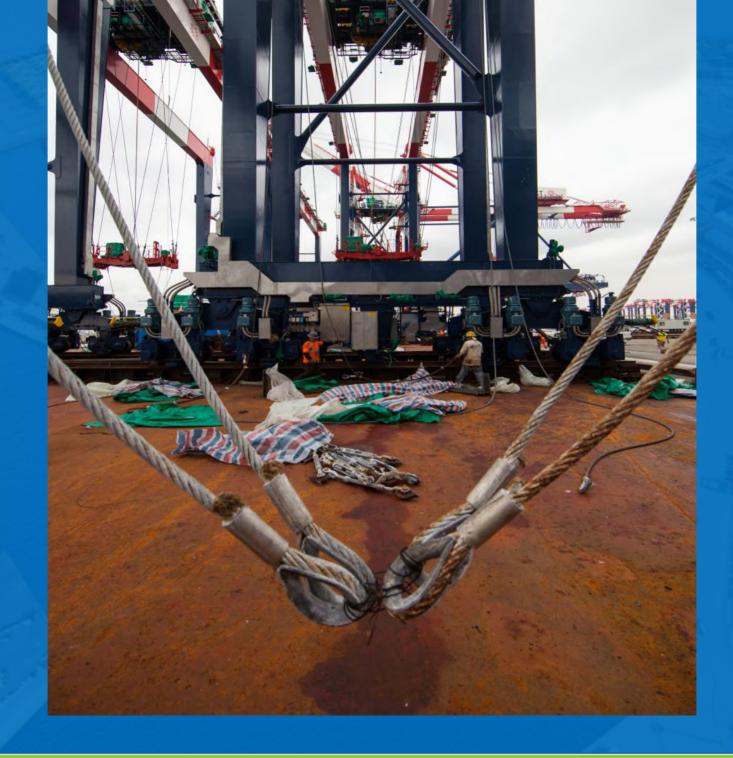
- Container Yard & Rail Yard Development
- Berth E22 Wharf and Backlands Redevelopment
- Slip No. 1 and East Basin Fill, Pier F Wharf Demolition, Berth F201 Dredging
- Roadability Repair Facility, Longshore Restrooms
- Administration Building
- South Gate and North Gate
- Intermodal Rail Yard
- Pico Ave Traffic Signals

3 million-TEU capacity Middle Harbor

Most technologically advanced in No. America













Pier G Project ITS Redevelopment Next phase to include rail yard renovation



CAT =

Green Port Gateway Upgrading Rail

NE

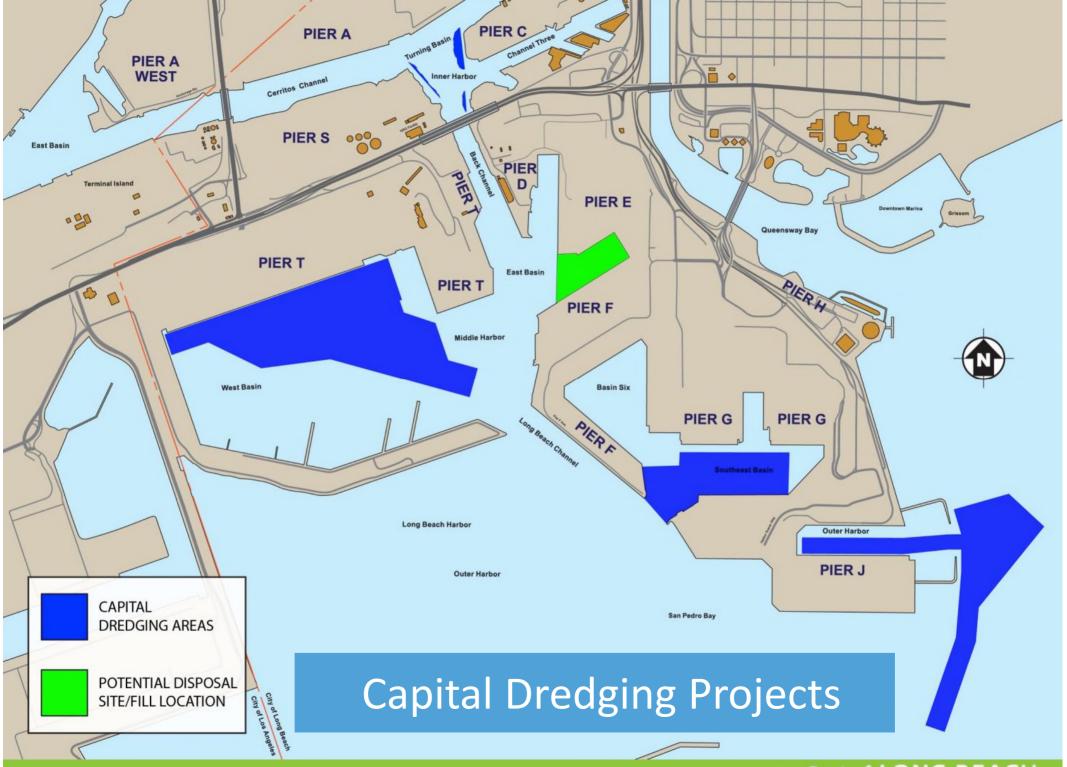
OW EM

540

The Gre







82%

Drop in Diesel Emissions since 2005

Green Port Policy Sustainability

Sulfur Oxides: DOWN 9000/0

Diesel Particulate Matter: DOWN



Nitrogen Oxides: DOWN 540/0

0.3% TEUs UP

2013 Emissions Inventory

Greenhouse Gases: DOWN

Clean Air Barge Alternative Tech

-

-

Port of LONG BEACH

ZIM

Mobile

St. Mary

Anderal Centr

\$18 million in grants Community Partner

Port of LONG BEACH

ter healt

Consulting Opportunities

On- Call Design Review – 2015 On- Call Utility Locating – February release RSOQ Terminal Island Rail Wye – Spring 2015 Rail Master Planning- Summer 2015 Pier D Street Realignment Design – 2015 Field Support & Operations Building – 2015 GDB Demolition Design – Jan 2015 On- Call Cost Estimating – 2016

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For upcoming project information Future Construction Work Master Schedule of CIP projects

Bright Future

Long Beach -- a great place to live and work