



Trends in Design and Operations of Cruise, Breakbulk, Project, Ro-Ro and Bulk Terminals

AAPA

Marine Terminal Management Training Program

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Port of San Diego Overview

State of California Agency Comprised of Five Member Cities



An aerial photograph of the Port of San Diego, showing the harbor, piers, and surrounding urban landscape. The title "Port of San Diego Overview" is overlaid in white text on the right side of the image.

Port of San Diego Overview

- ❖ Port of San Diego is the 4th Largest of California's 11 Public Ports
- ❖ California's 11 ports comprise one of the most competitive port systems in the World, importing 50% of America's goods
- ❖ San Diego is a Multi-faceted, Multi-use waterfront shared by recreational and industrial stakeholders
- ❖ The Port's Compass Strategic Plan outlines District-wide goal of a "Thriving and Modern Maritime Seaport"

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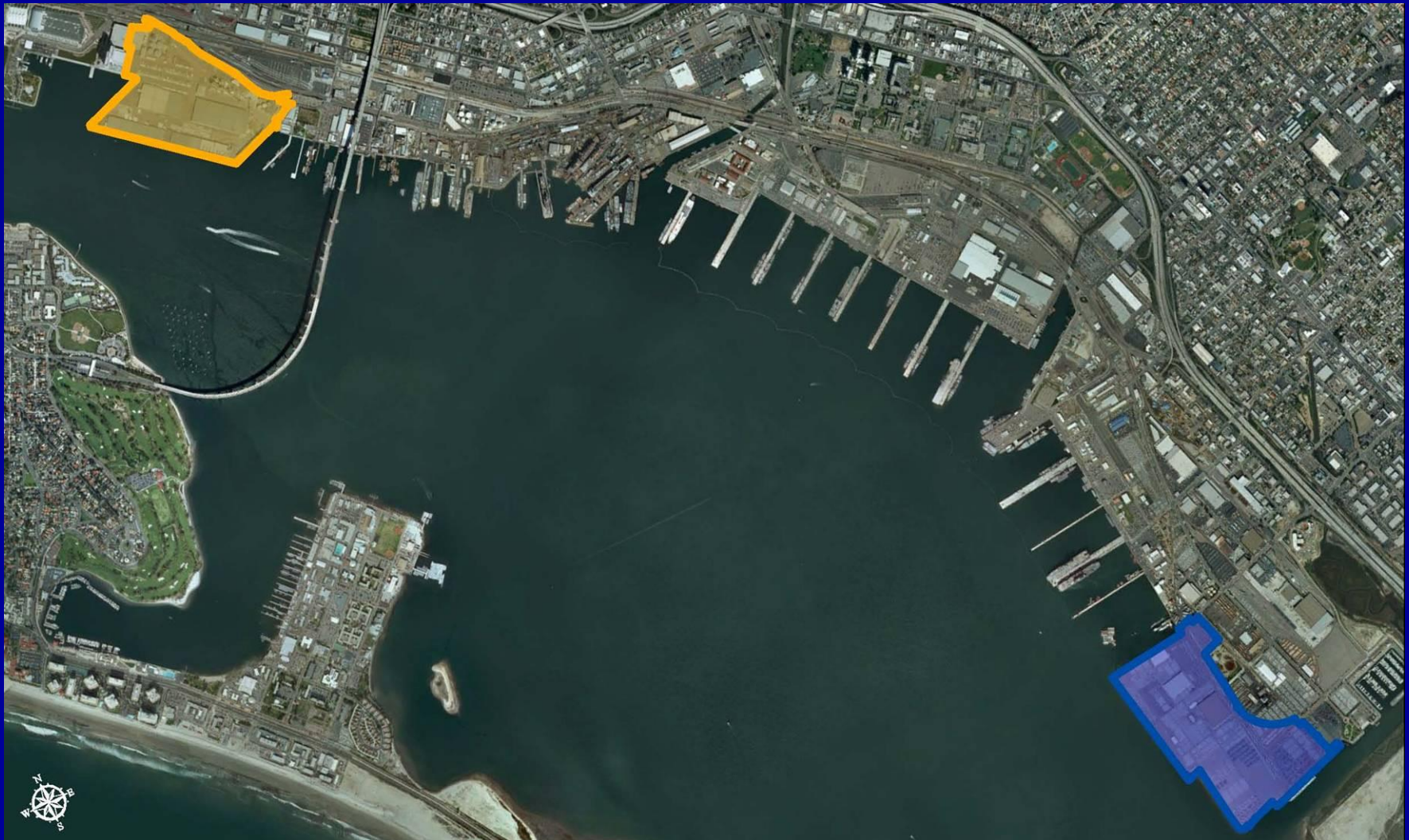
Port of San Diego Overview

- ❖ San Diego is one of 17 Strategic Ports nationally
- ❖ Primarily serving imports and exports from Asia and Latin America
- ❖ Focused on developing exports and high-value imports that support the regional economy
- ❖ Undertaking an aggressive effort to modernize facilities and invest in infrastructure
- ❖ Robust Environmental Program

- ❖ Key Port of San Diego Trends:
 - ❖ Infrastructure Modernization
 - ❖ Aggressive Business Development Efforts
 - ❖ Regional Partnership
 - ❖ Public-Private Partnerships

San Diego's Working Waterfront

The Port's Cargo Terminals Bookend San Diego's Working Waterfront



Cargo Handled at TAMT

Multi-use terminal that handles containers, bulk and breakbulk cargo



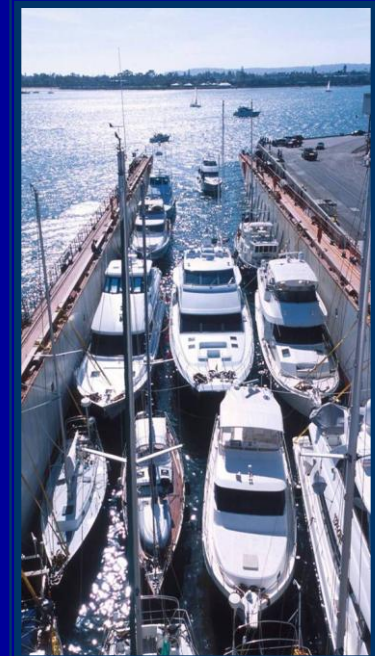
**Containerized Cargo
& Perishable Goods**



Steel products



Windmill Components



**Project & other
specialty cargo**



**Cement
& Fertilizer**



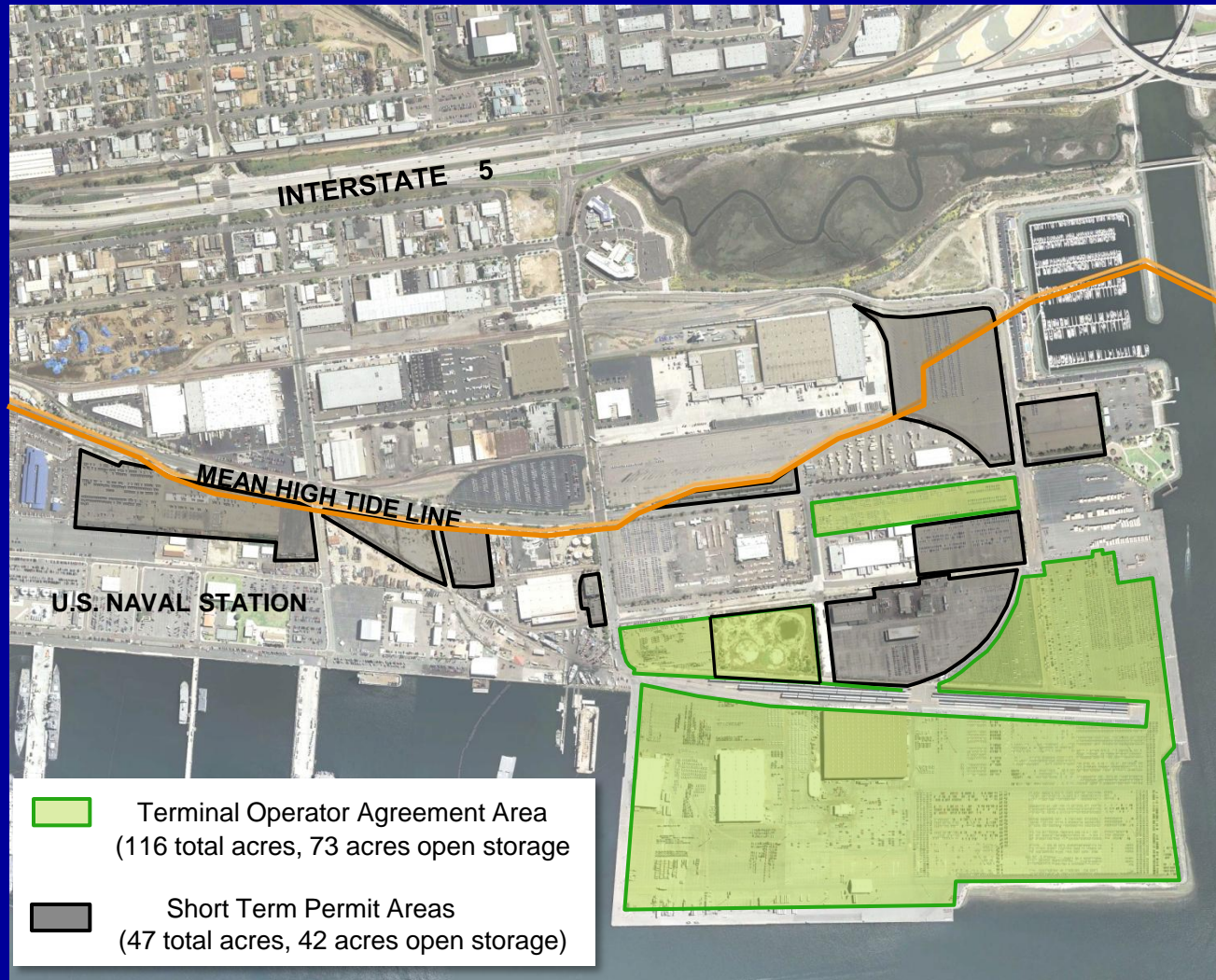
Military Cargo

Tenth Avenue Marine Terminal Potential Infrastructure Improvements



National City Marine Terminal

Ideally suited for roll-on/roll-off, auto processing and lumber



An aerial photograph of the National City Marine Terminal, showing a large industrial facility with multiple piers extending into a body of water. The terminal is surrounded by urban and industrial areas.

National City Marine Terminal Well Positioned for Growth

- Terminal land area for vehicle storage is constrained in California.
- NCMT has the highest vehicle through-put volume of auto processing facilities in California.
- The terminal has 6 tracks for railcar loading and unloading
- Current Capacity for 120 railcars
 - Vehicles moving by rail in 2011 = 102,000
 - Vehicles moving by rail in 2012 = 133,000
 - Over 40% of Pasha's business is handled by rail.
- Port Staff is Working with Pasha, BNSF and the City of National City to Accommodate Future Growth

Cruise Ship Terminal Poised for Growth

- Located in the Heart of Downtown San Diego, with Easy Access to the Airport, Hotels and Tourist Attractions
- Two Piers:
 - B Street Cruise Ship Terminal
 - Broadway Pavilion
- Ideally Located to Serve Passenger Cruises along the Mexican Riviera
- Port Staff is Focused on:
 - Infrastructure Modernization
 - Business Development
 - Exploring Public-Private Partners



Partnership with Our Customers and BNSF



- ❖ BNSF is the region's Class-A Rail Operator, and a longstanding Port of San Diego Partner
- ❖ On-Dock Rail Access at Both Terminals
- ❖ Autos comprise most of the rail business, along with bulk products and refrigerated rail cars
- ❖ Working together to identify operational efficiencies, future infrastructure investments and funding opportunities
- ❖ Partner in modernization planning at TAMT and potential track investments at NCMT
- ❖ Sensitivity to the surrounding residents and businesses in San Diego and National City

Partnership with the San Diego Association of Governments



- ❖ The San Diego Association of Governments (SANDAG) is the San Diego Region's Metropolitan Planning Organization (MPO)
- ❖ Advocate for all of the region's transportation, sustainability and livability needs
- ❖ SANDAG produces the Regional Transportation Plan (RTP) every 5 years; Freight and Maritime Projects are Included
- ❖ The Port of San Diego partners with SANDAG, and submits freights projects to the RTP, to maximize Federal, State and other grant funding opportunities
- ❖ Successful projects impacting Port operations include off-terminal truck signage and freeway access infrastructure

❖ Key Port of San Diego Trends:

- ❖ Infrastructure Modernization at Cruise Ship and Tenth Avenue Marine Terminals; Exploring additional efficiencies at National City Marine Terminal
- ❖ Aggressive Business Development Efforts with Existing and Potential Customers in Key Cargo and Cruise Markets
- ❖ Regional Approach to Freight Projects and Infrastructure Development Through Partnerships with BNSF and SANDAG
- ❖ Exploring Public-Private Partnerships