PORT OF OAKLAND

Security Issues–
A Port Perspective

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Agenda

1. Port of Oakland overview

2. Layered Security

3. Port Security Grants

4. Future Efforts

PORT SECURITY

The Port of Oakland controls 19 miles of waterfront consisting of Seaport, Airport and Commercial Real Estate Properties

Acts as a landlord port, leasing out space to shipping lines and stevedores, but not involved in direct operations.

PORT OF OAKLAND
VESSEL
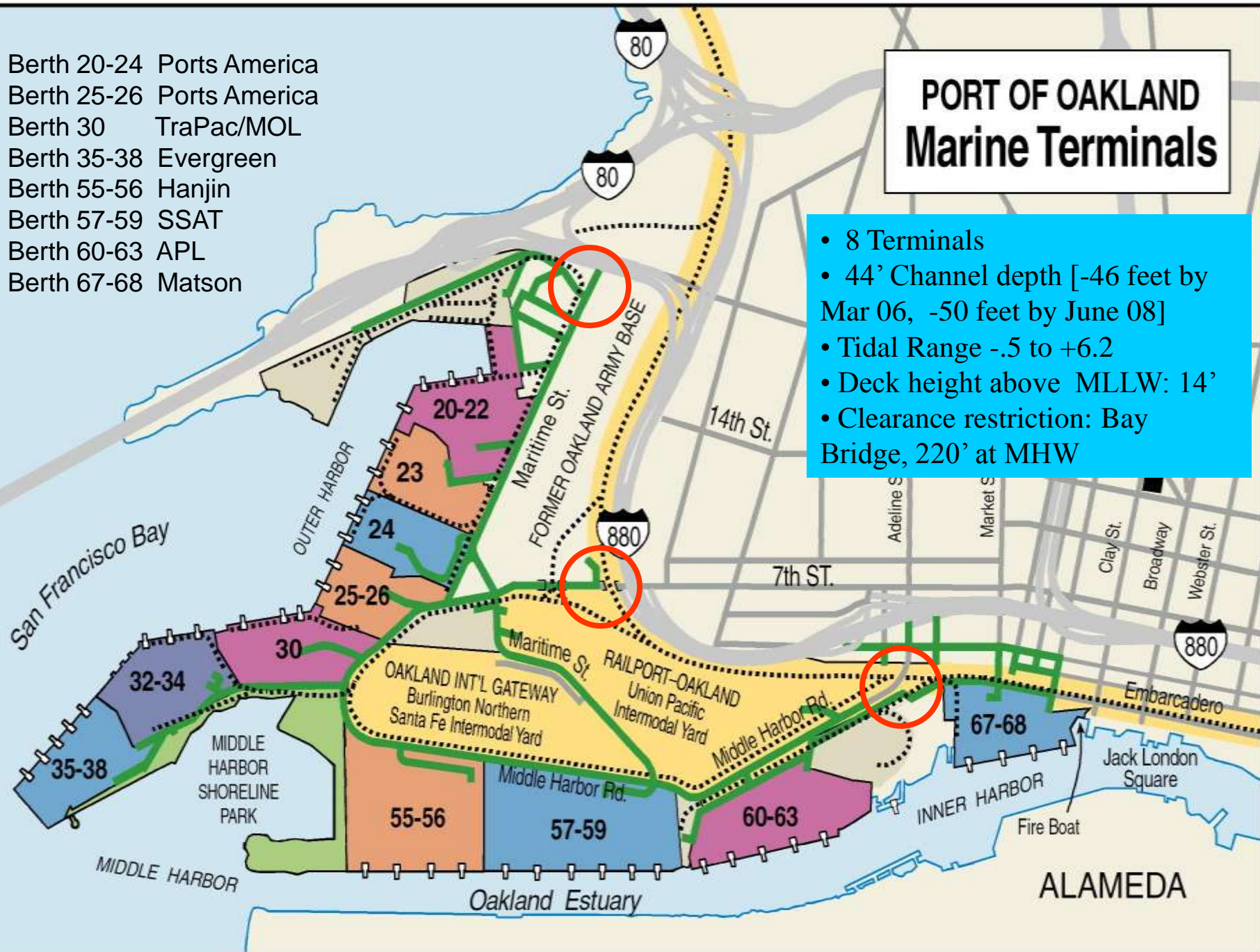**and**
CARGO ACTIVITY
2009

• **1,897 Vessel Calls**

• **2.045M TEU's**

PORT SECURITY

Berth 20-24 Ports America
Berth 25-26 Ports America
Berth 30   TraPac/MOL
Berth 35-38 Evergreen
Berth 55-56 Hanjin
Berth 57-59 SSAT
Berth 60-63 APL
Berth 67-68 Matson

PORT OF OAKLAND
Marine Terminals

- 8 Terminals
- 44' Channel depth [-46 feet by Mar 06, -50 feet by June 08]
- Tidal Range -.5 to +6.2
- Deck height above MLLW: 14'
- Clearance restriction: Bay Bridge, 220' at MHW

San Francisco Bay

OUTER HARBOR

Maritime St.

FORMER OAKLAND ARMY BASE

14th St.

Adeline St.

Market St.

Clay St.

Broadway

Webster St.

7th ST.

20-22

23

24

25-26

30

32-34

35-38

MIDDLE HARBOR SHORELINE PARK

MIDDLE HARBOR

OAKLAND INT'L GATEWAY
Burlington Northern
Santa Fe Intermodal Yard

Maritime St.

RAILPORT-OAKLAND
Union Pacific
Intermodal Yard

Middle Harbor Rd.

Middle Harbor Rd.

Embarcadero

55-56

57-59

60-63

67-68

INNER HARBOR

Jack London Square

Fire Boat

Oakland Estuary

ALAMEDA

2/03

Security as a System

- **People**
- **Plans**
- **Equipment**
- **Exercises**

Layered Security – Plans and Initiatives

Cargo Security:

- **24 Hour Rule**
- **Container Security Initiative (CSI)**
- **Customs Trade Partnership Against Terrorism (C-TPAT)**
- **Container Inspections**

Ship Security:

- **96 Hour Advanced Notice of Arrival (ANOA)**
- **Ship Boardings or Escorts at Sea**
- **Boardings at the Dock**
- **Ship Security Plan**

Layered Security – Plans and Initiatives

<u>Facility Security</u>:

- **Facility Security Plan (FSP)**
- **Declaration of Security (DOS)**
- **Relationship with Coast Guard, Oakland PD, Alameda County Sheriff, TSA**

<u>Port Security</u>:

- **Area Maritime Security Plan (AMSP)**
- **Trident Coalition**
- **Neptune Coalition**

Maritime Security Strategy

Initial Methodology

- Come into Compliance

- Vulnerability Based Enhancements

  - Prevention Focus

  - Reduce Vulnerability

  - Improve Response

Maritime Security Strategy

Methodology: 2004 – Future

Risk Based

- Return on Investment (Risk buy down)

- Area Wide Solutions

- Linkage to Strategic Plans

- Business Continuity

Port Security Grant Program

- 26 Projects Approved

- $36.6 Million Awarded

- Capital Project Costs

- Local Fiduciary Agent and AMSC Administered

- Priorities from Regional Risk Mitigation Plan

Current Security Projects

- Intrusion Detection System/Fiber Backbone
- Truck Tracking System
- Geospatial Security Mapping System
- Joint City/Port Domain Awareness Center
- TWIC Infrastructure

PORT SECURITY

Project Implementation Challenges

- Scoping the Project – Investment Justification
- RFP vs Sole Source Authorization
- Board Authorization
- Design/Build vs Design Bid Build
- MTO and Agency
  - Collaboration challenges/benefits
  - MOUs and Terms of Use Agreements
- Concept of Ops, Access and Info Sharing

Public vs Private

- Whose responsibility is it?

  - Public Waterways and underwater threat detection and deterrence

  - Roadside Access Control and the Buffer Zone

PORT OF OAKLAND SECURITY SYSTEM

SECURITY SYSTEMS
•Crane Cameras
•115 kV IDS
•Port Road VSS
•RFID Truck Tracking
•Marine Terminal Perimeter IDS
•TWIC Access Control

S E C U R I T Y   S Y S T E M S

Sensors

Sensors

Sensors

Servers

Servers

Servers

Security Integration and Distribution Platform

User

User

User

OTHER MDA SYSTEMS

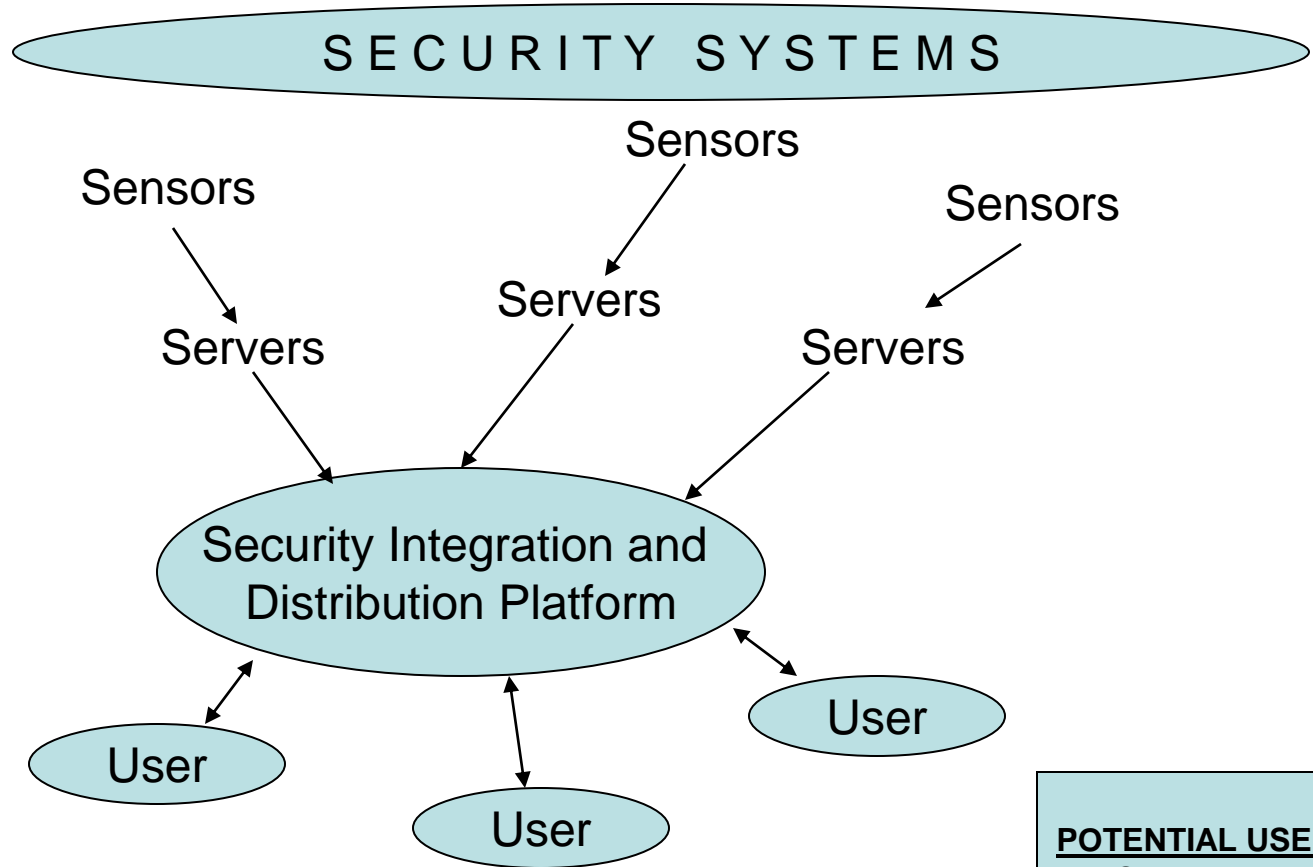•Traffic
•AIS
•Weather
•NCRIC
•SC-ISAC
•ES-ISAC
•Homeport

INFORMATION/REPORTS
•Intrusion Alarms
•Video Clips
•Quick Response Checklist
•Reports & Activity Summaries
•Real Time Monitoring
•Archives

POTENTIAL USERS
•MTO's
•CHP
•OPD
•ACSO
•BART
•PG&E
•USCG
•BNSF
•UP

Future Efforts and Challenges

- **Total Domain Awareness**
  - **Waterside and Landside**

- **Incorporate New Technology**
  - **Sensing and Detection, TWIC**

- **Integrated Systems**
  - **Monitoring & Dispatch**
  - **Common Operating Picture**

- **Lifecycle Security System Support**
  - **O&M**

Thank You

PORT OF OAKLAND