

**Fiscal Year 2008 California Port and Maritime Security Grant Program (CPMSGP)**  
**Investment Justifications and Allocation Amounts (Total Allocation \$57 Million)**

**Port of Stockton (\$5,423,634)**

*Emergency Response Center* (\$2,861,134): Port of Stockton will construct a central emergency response facility to store and maintain equipment critical to emergency response and recovery operations.

*Dedicated Port Security Computer/Information Management and Backup System* (\$1,500,000): Port of Stockton will install a port security Information Management System to more effectively collect, access, and share data. System will give port security personnel greater capability to simultaneously control and monitor multiple sensory systems, communicate with tenants, and share information and collaborate with regional stakeholders and first responders.

*Tenant and Neighborhood Emergency Notification System* (\$500,000): Port of Stockton will install an emergency notification system to alert port employees, port tenants, ships in port, and surrounding businesses/households of emergencies.

*Centralized Utilities Hub (Matching Funds)* (\$187,500): Port of Stockton will modify an existing structure to house a utility hub including central telephone exchange, computer backup, and records of surveillance monitoring equipment.

*GIS/Mapping System (Matching Funds)* (\$375,000): Port of Stockton will employ a GIS mapping system to identify all critical transportation patterns and critical infrastructure resources. A traffic management system will be installed to maintain constant and ready access to the critical parts of the port. The GIS mapping of water, sewer, and storm water drains, etc., will enhance the prevention and recovery of the critical infrastructure systems.

**Port of San Francisco (\$5,771,340)**

*Port-wide Access Control System and Fiber Optic Security Network* (\$1,700,000): Installation of a Port-wide access control system will consist of a fiber optic network, additional security lighting, & access-control equipment to approximately 20 Port facilities. The Port does not currently have an integrated access control system.

*Joint Operations and Security Center (JOS), Phase 2* (\$1,865,000): The JOS will co-locate SFPD Marine Unit, SFPD Dive Team, Harbormaster & SFFD fast response crews, include a fully equipped dive locker for joint SFPD, SFFD & Port dive team use, provide space for a security monitoring station, and house the Port's Alternate EOC. This investment will fund schematic design services, including spatial requirements, mechanical & electrical loads for communications, computer & emergency equipment, as well as construction documents.

*Building Occupancy Resumption Program Enrollment, Phase 1* (\$175,000): A Building Occupancy Resumption Program (BORP) allows building owners to obtain pre-certification for private post-disaster inspection of facilities by qualified, licensed engineers upon approval of a written inspection program. These inspectors will then be authorized to complete post-disaster assessments of enrolled Port facilities.

*High Security Fencing Plan, Phase 3* (\$125,000): This high security fencing project, in conjunction with other perimeter hardening projects, will reduce the risk of port property being used to stage terrorist attacks & will deter criminal activity on port property. Because the Port of San Francisco has a higher than average risk for local crime, reducing local crime is a major performance objective for the Port's security program.

*Pier 50 Emergency Power Project* (\$250,000): Included in this project are two new emergency generators, with a combined generation capacity sufficient to meet Pier 50's projected power needs. The generators will be portable, in order that they may be relocated if necessary following a major event. The generators will remain tied into the Pier 50 power distribution network, unless needed elsewhere following an incident.

*Type 1 Fireboat/CBRNE All-Hazards Response Vessel for SF Fire Department* (\$425,000): The purpose of this investment is to enhance the capability of the San Francisco Fire Department (SFFD) to prevent & respond to waterborne acts of terrorism, natural & human-caused disasters, environmental mishaps & other maritime threats throughout the greater San Francisco Bay Area.

*Dive Equipment for SFPD Dive Team* (\$125,000): This investment will strengthen the Dive Team's CBRNE response capability, as well as improve their ability to respond to natural or human-caused disasters in the waters off San Francisco, as well as in other parts of the region when requested via mutual aid agreements.

*CBRNE Prevention and Response Vessels for SF Police Department* (\$1,106,340): The San Francisco Police Department (SFPD) Marine Unit has only one all-weather capable vessel in its inventory. This investment will improve perimeter security & enhance prevention, detection, response to, & recovery from waterside incidents at the Port.

**Port of San Diego (\$5,444,200)**

*Integrated Regional Seaport Broadband Fiber Optic Infrastructure, North Bay Phase* (\$1,000,000): The San Diego Unified Port District (SDUPD) is taking the lead in the development and installation of a broadband fiber optic infrastructure that will provide high capacity, reliable and expandable data transmission architecture around San Diego harbor.

*Closed Circuit Television (CCTV) Surveillance System, Broadway Pier Cruise Ship Passenger Terminal Facility* (\$400,000): Install CCTV cameras with video analytics at the Broadway Pier Cruise Ship Passenger Terminal and integrate with the existing San Diego Port District (SDUPD) CCTV surveillance system's centralized monitoring at the Joint Harbor Operations Center (JHOC). The cameras will provide the ability to view the video locally and on the Pier, in real-time, with internal and external coverage of the terminal and on-pier operations areas.

*Geospatial Information System (GIS)* (\$200,000): This investment proposes to procure the services of a contractor to provide additional systems integration and data base development services that would improve the existing San Diego Unified Port District (SDUPD)/Harbor Police Department (HPD) GIS system.

*Access Control Barriers* (\$460,000): Obtain and install concrete security barricades, vehicle access control bollards, and related security barriers to create a system of focused site protection at all critical perimeters and entrances to the Port of San Diego marine cargo terminals and cruise ship berths.

*Underwater Mapping* (\$50,000): This investment proposes to procure the services of a contractor to provide a subsurface mapping and GIS overlay that would be integrated into the San Diego Unified Port District (SDUPD)/Harbor Police Department's (HPD) existing GIS database.

*Mobile Video Trailer* (\$50,000)

*Patrol Vessels* (\$1,000,000): This investment proposes to procure four (4) "all hazards" patrol vessels for the San Diego Harbor Police Department (SDHPD). The primary missions of these vessels for the Harbor Police include: marine law enforcement, seaport security, homeland security operations, marine firefighting and public safety dive operations.

*Emergency 9-1-1 Public Safety Answering Point (PSAP)* (\$200,000): This investment justification proposes to fund the Emergency 9-1-1 Public Safety Answering Point (PSAP) for the San Diego Unified Port District (SDUPD) Harbor Police Department (HPD) to provide telephone services for public safety emergencies

*EOC Enhancements* (\$350,200)

*Security Lighting for National City Marine Terminal* (\$234,000): Construct security lighting for perimeter fence-line at National City Marine Terminal. This project will install lighting along the terminal's fence-line.

*Matching funds for Port Security Grant Program Rounds 8 and 9* (**Titled Port-Wide Security on letters**): (\$1,500,000): Cash Match Support for FY08 PSGP San Diego Unified Port District (SDUPD) Integrated Regional Seaport Broadband Fiber Optic Infrastructure, Phase 3.

### **Port of Oakland** (\$2,431,000)

*Comprehensive Geospatial Security Mapping* (\$335,000): This project will employ a detailed survey of existing infrastructure (buildings, structures, utilities, etc.) in and around the port- area. This will include detailed mapping and photography of port buildings and exterior spaces in the port area.

*Perimeter Intrusion Detection and Reporting System Upgrade (matching costs)* (\$1,900,000): The proposed IDRS system will incorporate a series of existing and new cameras mounted around the perimeter of the Port of Oakland marine terminals with an advanced video analytic capability.

*Fiber Optic Telecommunications Linkage to Oakland Police Department (matching costs)* (\$196,000): The Port of Oakland is installing a perimeter intrusion detection and surveillance system at the perimeter of the Port's marine terminals. This system will utilize CCTV cameras equipped with video analytic capabilities linked with a fiber optic telecommunications system between the terminals and providing data feed back to the Port's administration building.

### **Port of Redwood City** (\$3,926,991)

*Lighting Improvements: Port Perimeter/Restricted Areas* (\$1,700,000): The specific deliverables of this project include installation of new Port Perimeter/Restricted Area security lighting and enhancement of existing installations. The project entails procurement/installation of poles/fixtures, wiring, and associated electrical upgrades.

*Waterside Staging/Response Center* (\$450,000): This project includes modifications and improvements to the port's existing gangway/dock located between Wharf 4 and a Public Access Area. This requires procurement/installation of a new floating dock (approximately 100' x 20'), gangway (approximately 50'), access control gate, lighting, and utilities (water and electric).

*Transportation Worker Identification Credential (TWIC) Infrastructure Installation: (matching costs)* (**Titled Port Security Enhancements on letter**) (\$273,196): This

project will provide the 25% matching fund component for the Port's *Transportation Worker Identification Credential (TWIC): Infrastructure/Installation* project that was awarded via Federal FY 2008 Port Security Grant Program (PSGP) earlier this year.

*Redwood City Police Vessel: Security Equipment* (\$36,000): This project includes procurement of mission critical, security equipment for the Redwood City's Police Department Vessel and manning personnel.

*CCTV* (\$1,300,000): This project includes procurement and installation of a Port-Wide CCTV system. Deliverables and desired capabilities include: 1) Re-locatable Wireless Surveillance Video Camera System, 2) Access to live "Real-time" Camera Video, 3) Video Capture, Storage and Retrieval, and 4) System Support and Maintenance. The CCTV system will provide a holistic, 24/7 monitoring solution with the ability to administered/managed by the Port and Port Security personnel.

*Security/Emergency Response Plan Development, Training, Drills, and Exercises* (\$50,000): Per U.S. Coast Guard regulations, the Port of Redwood City is required to undergo a third party audit of the Facility Security Plan (FSP), provide security-related training to personnel, and conduct drills/exercises annually.

*Federal FY 2009 Port Security Grant Program Matching Funds* (\$117,795) (**Titled Port Wide Security Equipment on letter**): This project is a funding "placeholder" for the upcoming, Federal FY 2009 Port Security Grant Program.

**Port of Sacramento** (\$1,375,400):

*Increased Security Center Entrance & Operations* (\$452,700): This project addresses the need for an enhanced Main Gate, secure storage of telecommunication and computer equipment, a secondary fully secured gate that can be used in the event the Main gate is compromised or rendered ineffective, and rail gates to improve security with railcar movement throughout the Port.

*Southside Barrier* (\$240,300): This project will place over 6000 feet of guardrails to eliminate vehicle traffic along the Port's south western border. This project works in tandem with a mobile trailer video surveillance system to further reduce threats along the south side of the Channel.

*Fiber Optic Network & TWIC Infrastructure* (\$110,000): This funding will be used for fiber optic network infrastructure to be used to consolidate several TWIC Readers throughout the Port, and consolidating the Main guard house with an ancillary guard house.

*Patrol Boat Security and Storage* (\$153,400): The Port of Sacramento is purchasing a patrol boat and needs a facility to store the boat for both security and to ensure longevity of the investment. This project will include a floating boat dock, a roof structure, security fence and gate, rolling grill, boat lift, dock locker and associated utility infrastructure.

*Under Dock Lighting System* (\$72,000): This Project will install under dock lighting for security monitoring underneath the berthing docks at eight locations. The lighting equipment will be hardened from the elements of the marine environment; to include water-proof lighting units and water-sealed conduit for the wiring system.

*First Responder Virtual Data and Digital Mapping* (\$347,000): The Port of Sacramento has worked with local and regional public safety agencies to develop an integrated approach to a holistic security assessment and plan. An identified weakness in the security of the Port is the lack of a critical infrastructure database. This information would include Port site layout, accurate descriptions of warehouse design, conveyor set up, equipment storage, utility line locations and shutoff points. This lack of information prevents effective regional trainings and would significantly slow down response time for first responders in an event of a security breach or natural disaster.

#### **Port of Richmond** (\$3,787,889)

*Operations and Security Center* (\$2,537,889): The Operations and Security Center would provide a location in which to monitor and respond to any type of incident in the Port Area and not only would serve as the Port EOC, but could be used as part of the region wide resiliency plan. It also will provide the location to bring in all the data feeds being developed as part of the Port of Richmond security build out. This project mitigates some of the gap in MDA situational awareness.

*Emergency Generators* (\$500,000): This project will procure and install three; 2-250 KW pad mounted and one 300 KW trailer mounted, backup generators along with associated switch gear at three locations to provide emergency power.

*Matching Funds* (\$750,000) (**Titled Port-Wide Security on letter**): This project will provide the 25% matching funds for as yet to be awarded Federal Security Grants. (An updated, more descriptive IJ was requested)

#### **Port of Los Angeles** (\$9,925,927):

*Matching Funds for Federal Port Security Grant Program Projects Rounds 7B and 8* (\$5,014,938) (**Titled Port Surveillance on letter**): Provide the 25% Matching Funds required for the Port of Los Angeles (the Port) to execute Federal Port Security grants distributed in Rounds 7B and 8. The Port has received grants to procure equipment and systems that will greatly improve the security and emergency preparedness of the port. (Federal projects available upon request)

*Matching Funds for Federal Port Security Grant Program Projects Rounds 5 and 7* (\$4,910,989) (**Titled Port-Wide Security Equipment on letter**): Provide the 25% Matching Funds required for the Port of Los Angeles (the Port) to execute Federal Port Security grants distributed in Rounds 5 and 7. The Port has received grants to procure equipment and systems that will greatly improve the security and emergency preparedness of the port. (Federal projects available upon request)

### **Port Hueneme** (\$2,817,000)

*Maritime Domain Awareness (MDA)-Visual Port and Landside Detection Enhancements* (\$527,000): The Oxnard Harbor District (District) approach to security includes a port-wide holistic strategy. The District has taken the lead in implementing enhancement of MDA on behalf of, and in collaboration with all stakeholders, to the benefit of the entire Port of Hueneme and region at-large.

*Critical Infrastructure Protection (CIP)-Asset Barrier, Surveillance & Access Control Enhancements* (\$690,000): Based on recent Security Assessments, vulnerabilities in regional CIP must be addressed as follows: First (unfunded from CPMSGP 2007), the fuel depot and potable water system require security measures (Fencing & Surveillance) to prevent fuel depot related potential IED attack and the port/residential potable water supply needs protection (Fencing & Surveillance) from potential contamination by those intent on inflicting harm on the area population and/or disrupting commerce. Second (unfunded from CPMSGP 2007), protective measures (Fencing & Surveillance) are required to secure critical port area and railroad transportation infrastructure. Third (unfunded from PSGP 2008 & Cost Share from PSGP 2008), protective measures (Barriers, Gate Arms, Surveillance, OCR & TWIC Infrastructure) are required to secure the port entry/exit system. Access to the Port Complex also facilitates potential access to the 1,600 acre Naval Construction Battalion Center (CBC).

*Maritime Domain Awareness (MDA)- Joint Port Operations & Security Center (JPOSC)* (\$750,000): The Oxnard Harbor District (District) approach to security includes a port-wide holistic strategy. The District has undertaken the lead role in implementing enhancement of MDA in the port-wide area and adjacent community.

*Maritime Domain Awareness (MDA) & Critical Infrastructure Protection (CIP) – Port Wide Fiber Optic Network (PWFON)* (\$850,000): The Oxnard Harbor District (District) approach to security includes a port-wide holistic strategy. The District has undertaken the lead role in implementing enhancement of CIP & MDA in the port-wide area and adjacent community. The CIP & MDA initiatives are conducted, on behalf of, and in collaboration with all stakeholders, to the benefit of the entire Port of Hueneme and region at-large. Based on recent security assessments (including FSIVA - Full Spectrum Integrated Vulnerability Assessment) security inspections, stakeholder security exercises, and discussions with local stakeholders, a significant vulnerability in MDA and CIP exists and there is a requirement for a reliable and secure, port wide channel of communications.

**Port of Long Beach** (\$13,526,750)

*Port Security Grant Program Cost Share* (\$4,776,750) (**Titled Port Security Equipment on letter**): The Port of Long Beach obtained funding in the Supplemental FY 2007 and FY 2008 Port Security Grant Program for several projects, requiring a 25% cost share. This project provides the 25% cost share for several projects critical to overall port security.

*Underwater Surveillance Enhancement* (\$1,200,000): The proposed project would augment the Harbor Patrol's ability to succeed in its mission by providing greater underwater domain awareness, expanding operational flexibility and increasing its overall capabilities.

*Physical Security Systems/Equipment* (\$3,800,000): This project addresses the need to provide physical security systems – including, fencing, lighting, barriers etc. – throughout the port complex. This project involves the purchase and deployment of fixed and mobile barriers and lighting at critical points on the land and water sides.

*Interoperable Radios* (\$250,000): This project addresses the Port's gap in communications by providing the Harbor Patrol with interoperable radios. The radios will allow for effective communication among all agencies during routine operations and during an incident.

*3D Laser Imaging Equipment* (\$150,000): This plan identified a 3D laser scanner for use during recovery and business continuity operations. The Port surveyors would use the equipment in the event of a bridge, building, retaining wall, etc. damage or collapse by quickly collecting three-dimensional scanned as-built images of any structure from all angles, producing an exact image. The data from the scanner will then be used by Port engineers to detect, repair and retrofit all parts needed in a safe, accurate, and timely manner.

*CCTV System Enhancements* (\$1,000,000): This project provides enhancements to the current CCTV systems by adding cameras at critical areas, such as: power stations; fuel farms; and other identified targets in the port complex.

*Fiber Optic Network Enhancements* (\$2,000,000): This project enhances the FON by extending the fiber to additional Port stakeholders, including several terminal operators. Using the fiber, the Port will be able to quickly and safely exchange security data with these stakeholders.

*Radiological/Nuclear Detection* (\$350,000): This project provides funding to equip and train Long Beach Police Department Port Security Unit patrol vessels and assigned personnel with fixed and mobile radiological/nuclear detection systems.



**Port of Humboldt Bay (\$2,569,869)**

*Catastrophic Incident Planning, Response and Recovery* (\$1,861,335): Various equipment that will be used by the port for incident planning, response, and recovery.

*Enhance Transportation and Maritime Security* (\$664,034): Deliverables include: executable Tactical Survey System CD (up to 12 copies as defined by Port); unlimited site users license providing unlimited distribution rights; and two ( 2) on-site training classes at the Port.

*Strengthen Communications Capabilities* (\$44,500): Six (6) security zone marker buoys w/chains and anchors for placement along security zone perimeter to warn boaters of the presence of a security zone. Six (6) Handheld, two (2) fixed radio communications and one (1) portable repeater for interoperability - complete turnkey operation, including but not limited to upgrade of current radio communications, narrow band compliant, additional handheld and fixed radio communications, complete portable repeater, 110v chargers, vehicle chargers, antennas, battery packs, microphone accessories, carrying accessories, encryption boards, programming, installation and extended maintenance agreement